



BEA WebLogic Server™

BEA WebLogic Server Configuration Reference

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BEA WebLogic Server Configuration Reference

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About This Document

This document describes the WebLogic Server configuration file (`config.xml`).

The document is organized as follows:

- [Chapter 1, “Overview of config.xml,”](#) describes the `config.xml` file and `config.dtd` files, and provides guidelines for editing the configuration file.
- The remaining chapters contain syntax diagrams and attribute references for each element defined in `config.dtd`.
- The Index provides links to all element and attribute names.

Audience

This document is written for Server administrators and application developers. It is assumed that readers know the WebLogic Server platform, XML, and Java programming. Administrators may wish to configure some aspect of WebLogic Server operation in their production environment. The Console, a Web browser GUI application, also allows for configuration tasks. In some instances, however, it is expedient to modify the configuration file, `config.xml`, directly in order to achieve a desired impact. This document describes the XML elements and their associated attributes which exist or could exist in a production instance of the `config.xml` file.

Note: Modification of the `config.xml` file impacts the operation of the WebLogic Server in the customer’s environment.

e-docs Web Site

BEA product documentation, including all documentation for the WebLogic Server, is available on the BEA corporate Web site. From the BEA Home page, click on Product Documentation.

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A PDF version of this document is available on the WebLogic Server documentation Home page on the e-docs Web site (and also on the documentation CD). You can open the PDF in Adobe Acrobat Reader and print the entire document (or a portion of it) in book format. To access the PDFs, open the WebLogic Server documentation Home page, click Download Documentation, and select the document you want to print.

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When contacting Customer Support, be prepared to provide the following information:

- Your name, e-mail address, phone number, and fax number
- Your company name and company address
- Your machine type and authorization codes
- The name and version of the product you are using
- A description of the problem and the content of pertinent error messages

Documentation Conventions

The following documentation conventions are used throughout this document.

Convention	Usage
Ctrl+Tab	Keys you press simultaneously.
<i>italics</i>	Emphasis and book titles.

Convention	Usage
monospace text	Code samples, commands and their options, Java classes, data types, directories, and file names and their extensions. Monospace text also indicates text that you enter from the keyboard. <i>Examples:</i> <pre>import java.util.Enumeration; chmod u+w * config/examples/applications .java config.xml float</pre>
<i>monospace</i> <i>italic</i> text	Variables in code. <i>Example:</i> <pre>String CustomerName;</pre>
UPPERCASE TEXT	Device names, environment variables, and logical operators. <i>Examples:</i> <pre>LPT1 BEA_HOME OR</pre>
{ }	A set of choices in a syntax line.
[]	Optional items in a syntax line. <i>Example:</i> <pre>java utils.MulticastTest -n name -a address [-p portnumber] [-t timeout] [-s send]</pre>
	Separates mutually exclusive choices in a syntax line. <i>Example:</i> <pre>java weblogic.deploy [list deploy undeploy update] password {application} {source}</pre>
...	Indicates one of the following in a command line: <ul style="list-style-type: none"> ■ An argument can be repeated several times in the command line. ■ The statement omits additional optional arguments. ■ You can enter additional parameters, values, or other information

Convention	Usage
-------------------	--------------

- | | |
|---|--|
| . | Indicates the omission of items from a code example or from a syntax line. |
| . | |
| . | |
-



1 Overview of config.xml

The following sections provide an overview of the WebLogic Server™ configuration file (`config.xml`):

- [“What Is the config.xml File?” on page 1-1](#)
- [“Editing the config.xml File” on page 1-2](#)
- [“Rules for Editing the config.xml File” on page 1-2](#)

What Is the config.xml File?

The `config.xml` file is an XML document that describes the configuration of an entire WebLogic Server domain. The `config.dtd` Document Type Definition (DTD) describes the content and structure of the `config.xml` file. The DTD describes the valid XML tags, the tag order, whether the tags are optional, the type of data contained within the tags, the tag attributes, the attribute values, and so on.

The `config.xml` file consists of a series of XML elements. The Domain element is the top-level element, and all elements in the Domain are children of the Domain element. The Domain element includes child elements, such as the Server, Cluster, and Application elements. These child elements may have children themselves.

For example, the Server element includes the child elements WebServer, SSL and Log. The Application element includes the child elements EJBComponent and WebAppComponent.

Each element has one or more configurable attributes. An attribute defined in `config.dtd` has a corresponding attribute in the configuration API. For example, the Server element has a ListenPort attribute, and likewise, the

`weblogic.management.configuration.ServerMBean` has a `ListenPort` attribute. Configurable attributes are readable and writable, that is, `ServerMBean` has a `getListenPort` and a `setListenPort` method.

When an attribute is another element (such as the `SSL` attribute of `Server`), the reference is defined by name. All elements have a `Name` attribute.

Editing the config.xml File

BEA recommends that you use the Administration Console to modify or monitor a domain configuration. You can also modify the `config.xml` file in the following ways:

- The WebLogic Server Application Programmatic Interface (API) allows other programs to modify configuration attributes of resources in the domain.
- You can access the attributes of a domain with the WebLogic Server command-line utility. This utility allows you to create scripts to automate domain management.

BEA XML Editor

The BEA XML Editor is a simple, user-friendly tool for creating and editing XML files. It can validate XML code according to a specified DTD or XML Schema. See the BEA XML Editor on the [BEA dev2dev Online at `http://dev2dev.bea.com/index.jsp`](http://dev2dev.bea.com/index.jsp).

Rules for Editing the config.xml File

Consider the following issues before you edit the configuration file manually.

1. Always save your `config.xml` file before editing it.
2. Do not edit the `config.xml` file for a domain when a domain is active. If you manually edit the configuration file while the domain is active, any changes you make are likely to be overwritten by the system. Furthermore, all manual changes you make while the domain is active are ignored by the system at run time.
3. Do not change Name attributes of child elements. WebLogic Server requires that the name of a child element match the name of its parent. For example, if the Name attribute of the Server element has the value “myserver”, the Name attributes of COM, JTAMigratableTarget, KernalDebug, Log, SSL, ServerStart, SystemDataStore, and WebServer elements that are children of the Server element must also have the value “myserver”.
4. Because no validation or value checking occur while or after you edit `config.xml` with the command-line utility, type-checking occurs when you load the edited configuration file for the first time, that is, when you restart the domain Server. At that point, any invalid XML or attribute value is detected and the domain fails to boot.

1 *Overview of config.xml*

2 config.dtd

This chapter contains the document type definition (dtd) for the WebLogic Server config.dtd configuration file.

config.dtd File

```
<!ELEMENT Domain ( SecurityConfiguration? | Security? | JTA? | WTCServer* |
  Log? | SNMPAgent? | Server* | EmbeddedLDAP? | Administrator* |
  ApplicationManager* | Application* | BridgeDestination* | CachingRealm* |
  Cluster* | ConnectorComponent* | CustomRealm* | DomainLogFilter* |
  Domain* | EJBCContainer* | FileRealm* | FileT3 (Deprecated)* |
JDBCConnectionPool* |
  JDBCDataSourceFactory* | JDBCDataSource* | JDBCMultiPool* |
  JDBCPoolComponent* | JDBCTxDataSource* | JMSBridgeDestination* |
  JMSConnectionFactory* | JMSDistributedQueue* | JMSDistributedTopic* |
  JMSFileStore* | JMSJDBCStore* | JMSServer* | JMSStore* |
  JoltConnectionPool* | JTAMigratableTarget* | JTARecoveryService* |
  LDAPRealm* | Machine* | MailSession* | MessagingBridge* |
  MigratableRMIService* | NetworkChannel* | NTRealm* | PasswordPolicy* |
  RDBMSRealm* | RMCFactory* | ShutdownClass* | SNMPJMXMonitor* |
  SNMPTrapSource* | StartupClass* | UnixMachine* | UnixRealm* |
  WebServiceComponent* | WLECCConnectionPool* | WTCResources* |
  WTCtBridgeGlobal* | XMLEntityCache* | XMLRegistry* )* >

<!ATTLIST Domain
  AdministrationPort          CDATA          "9002"
  AdministrationPortEnabled  (true | false)  "false"
  ConfigurationVersion        CDATA          #IMPLIED
  ConsoleContextPath         CDATA          "console"
  ConsoleEnabled              (true | false)  "true"
  LastModificationTime       CDATA          "0"
  Name                        CDATA          #REQUIRED
  Notes                       CDATA          #IMPLIED
```

2 config.dtd

```
    RootDirectory          CDATA          #IMPLIED
>
<!ELEMENT SecurityConfiguration EMPTY >
<!ATTLIST SecurityConfiguration
    Name          CDATA          #REQUIRED
    Notes         CDATA          #IMPLIED
>
<!ELEMENT Security EMPTY >
<!ATTLIST Security
    AuditProviderClassName CDATA          #IMPLIED
    CompatibilityMode      (true | false)  "false"
    ConnectionFilter       CDATA          #IMPLIED
    ConnectionFilterRules  CDATA          #IMPLIED
    ConnectionLoggerEnabled (true | false)  "false"
    GuestDisabled         (true | false)  "true"
    Name                  CDATA          #REQUIRED
    Notes                 CDATA          #IMPLIED
    PasswordPolicy        CDATA          #IMPLIED
    Realm                  CDATA          #IMPLIED
    SystemUser            CDATA          "system"
>
<!ELEMENT JTA EMPTY >
<!ATTLIST JTA
    AbandonTimeoutSeconds CDATA          "86400"
    BeforeCompletionIterationLimit
        CDATA          "10"
    CheckpointIntervalSeconds CDATA          "300"
    ForgetHeuristics        (true | false)  "true"
    MaxTransactions         CDATA          "10000"
    MaxUniqueNameStatistics CDATA          "1000"
    Name                    CDATA          #REQUIRED
    Notes                   CDATA          #IMPLIED
    TimeoutSeconds         CDATA          "30"
>
<!ELEMENT WTCServer ( WTCLocalTuxDom* | WTCRemoteTuxDom* | WTCEXport* |
    WTCImport* | WTCPassword* | WTCtBridgeRedirect* )* >
<!ATTLIST WTCServer
    DeploymentOrder CDATA          "1000"
    Name            CDATA          #REQUIRED
    Notes          CDATA          #IMPLIED
    Resource       CDATA          #IMPLIED
    Targets        CDATA          #IMPLIED
```

```

    tBridgeGlobal                CDATA                #IMPLIED
>
<!ELEMENT WTCLocalTuxDom EMPTY >
<!ATTLIST WTCLocalTuxDom
    AccessPoint                CDATA                #REQUIRED
    AccessPointId              CDATA                #REQUIRED
    BlockTime                  CDATA                "60"
    CmpLimit                   CDATA                "2147483647"
    ConnPrincipalName          CDATA                #IMPLIED
    ConnectionPolicy           (ON_DEMAND |
        ON_STARTUP |
        INCOMING_ONLY)        "ON_DEMAND"
    Interoperate               CDATA                "No"
    MaxEncryptBits             (0 | 40 | 56 | 128)      "128"
    MaxRetries                 CDATA                "9223372036854775807"
    MinEncryptBits             (0 | 40 | 56 | 128)      "0"
    NWAddr                    CDATA                #REQUIRED
    Name                      CDATA                #REQUIRED
    Notes                     CDATA                #IMPLIED
    RetryInterval              CDATA                "60"
    Security                   (NONE | APP_PW | DM_PW)  "NONE"
>
<!ELEMENT WTCRemoteTuxDom EMPTY >
<!ATTLIST WTCRemoteTuxDom
    AccessPoint                CDATA                #REQUIRED
    AccessPointId              CDATA                #REQUIRED
    AclPolicy                  (GLOBAL | LOCAL)        "LOCAL"
    CmpLimit                   CDATA                "2147483647"
    ConnPrincipalName          CDATA                #IMPLIED
    ConnectionPolicy           (ON_DEMAND |
        ON_STARTUP |
        INCOMING_ONLY | LOCAL) "ON_DEMAND"
    CredentialPolicy           (GLOBAL | LOCAL)        "LOCAL"
    FederationName             CDATA                #IMPLIED
    FederationURL              CDATA                #IMPLIED
    LocalAccessPoint           CDATA                #REQUIRED
    MaxEncryptBits             (0 | 40 | 56 | 128)      "128"
    MaxRetries                 CDATA                "-1"
    MinEncryptBits             (0 | 40 | 56 | 128)      "0"
    NWAddr                    CDATA                #REQUIRED
    Name                      CDATA                #REQUIRED
    Notes                     CDATA                #IMPLIED
    RetryInterval              CDATA                "-1"
    TpUsrFile                  CDATA                #IMPLIED
>

```

2 *config.dtd*

```
<!ELEMENT WTCExport EMPTY >

<!ATTLIST WTCExport
    EJBName                CDATA                #IMPLIED
    LocalAccessPoint       CDATA                #REQUIRED
    Name                    CDATA                #REQUIRED
    Notes                   CDATA                #IMPLIED
    RemoteName              CDATA                #IMPLIED
    ResourceName            CDATA                #REQUIRED
>

<!ELEMENT WTCImport EMPTY >

<!ATTLIST WTCImport
    LocalAccessPoint       CDATA                #REQUIRED
    Name                    CDATA                #REQUIRED
    Notes                   CDATA                #IMPLIED
    RemoteAccessPointList  CDATA                #REQUIRED
    RemoteName              CDATA                #IMPLIED
    ResourceName            CDATA                #REQUIRED
>

<!ELEMENT WTCPassword EMPTY >

<!ATTLIST WTCPassword
    LocalAccessPoint       CDATA                #REQUIRED
    LocalPassword           CDATA                #REQUIRED
    LocalPasswordIV        CDATA                #REQUIRED
    Name                    CDATA                #REQUIRED
    Notes                   CDATA                #IMPLIED
    RemoteAccessPoint       CDATA                #REQUIRED
    RemotePassword          CDATA                #REQUIRED
    RemotePasswordIV       CDATA                #REQUIRED
>

<!ELEMENT WTCTBridgeRedirect EMPTY >

<!ATTLIST WTCTBridgeRedirect
    Direction                (JmsQ2TuxQ | TuxQ2JmsQ |
                            JmsQ2TuxS | JmsQ2JmsQ) #REQUIRED
    MetadataFile             CDATA                #IMPLIED
    Name                      CDATA                #REQUIRED
    Notes                     CDATA                #IMPLIED
    ReplyQ                    CDATA                #IMPLIED
    SourceAccessPoint         CDATA                #IMPLIED
    SourceName                 CDATA                #REQUIRED
    SourceQspace              CDATA                #IMPLIED
    TargetAccessPoint         CDATA                #IMPLIED
    TargetName                 CDATA                #REQUIRED
    TargetQspace              CDATA                #IMPLIED
```

```

    TranslateFML                (NO | FLAT | WLXT)                "NO"
>
<!ELEMENT Log EMPTY >
<!ATTLIST Log
    FileCount                   CDATA                           "7"
    FileMinSize                 CDATA                           "500"
    FileName                    CDATA                           "weblogic.log"
    FileTimeSpan                CDATA                           "24"
    Name                        CDATA                           #REQUIRED
    Notes                       CDATA                           #IMPLIED
    NumberOfFilesLimited        (true | false)          "false"
    RotationTime                CDATA                           "00:00"
    RotationType                (bySize | byTime |
                            none)          "none"
>
<!ELEMENT SNMPAgent ( SNMPTrapDestination* | SNMPProxy* | SNMPGaugeMonitor* |
    SNMPStringMonitor* | SNMPCounterMonitor* | SNMPLogFilter* |
    SNMPAttributeChange* )* >
<!ATTLIST SNMPAgent
    CommunityPrefix             CDATA                           "public"
    DebugLevel                  (0 | 1 | 2 | 3)          "0"
    Enabled                     (true | false)          "false"
    MibDataRefreshInterval      CDATA                           "120"
    Name                        CDATA                           #REQUIRED
    Notes                       CDATA                           #IMPLIED
    SNMPPort                   CDATA                           "161"
    ServerStatusCheckIntervalFactor
                                CDATA                           "1"
>
<!ELEMENT SNMPTrapDestination EMPTY >
<!ATTLIST SNMPTrapDestination
    Community                   CDATA                           "public"
    Host                        CDATA                           "localhost"
    Name                        CDATA                           #REQUIRED
    Notes                       CDATA                           #IMPLIED
    Port                        CDATA                           "162"
>
<!ELEMENT SNMPProxy EMPTY >
<!ATTLIST SNMPProxy
    Community                   CDATA                           "na"
    Name                        CDATA                           #REQUIRED
    Notes                       CDATA                           #IMPLIED

```

2 *config.dtd*

```
    OidRoot                CDATA                #IMPLIED
    Port                   CDATA                " 0 "
    Timeout                CDATA                " 5000 "
>

<!ELEMENT  SNMPGaugeMonitor  EMPTY  >

<!ATTLIST  SNMPGaugeMonitor
    EnabledServers        CDATA                #IMPLIED
    MonitoredAttributeName  CDATA                #IMPLIED
    MonitoredMBeanName    CDATA                #IMPLIED
    MonitoredMBeanType    CDATA                #IMPLIED
    Name                  CDATA                #REQUIRED
    Notes                 CDATA                #IMPLIED
    PollingInterval       CDATA                " 0 "
    ThresholdHigh         CDATA                " 0 "
    ThresholdLow          CDATA                " 0 "
>

<!ELEMENT  SNMPStringMonitor  EMPTY  >

<!ATTLIST  SNMPStringMonitor
    EnabledServers        CDATA                #IMPLIED
    MonitoredAttributeName  CDATA                #IMPLIED
    MonitoredMBeanName    CDATA                #IMPLIED
    MonitoredMBeanType    CDATA                #IMPLIED
    Name                  CDATA                #REQUIRED
    Notes                 CDATA                #IMPLIED
    NotifyDiffer          (true | false)    "false"
    NotifyMatch           (true | false)    "false"
    PollingInterval       CDATA                " 0 "
    StringToCompare       CDATA                #IMPLIED
>

<!ELEMENT  SNMPCounterMonitor  EMPTY  >

<!ATTLIST  SNMPCounterMonitor
    EnabledServers        CDATA                #IMPLIED
    Modulus               CDATA                " 0 "
    MonitoredAttributeName  CDATA                #IMPLIED
    MonitoredMBeanName    CDATA                #IMPLIED
    MonitoredMBeanType    CDATA                #IMPLIED
    Name                  CDATA                #REQUIRED
    Notes                 CDATA                #IMPLIED
    Offset                CDATA                " 0 "
    PollingInterval       CDATA                " 0 "
    Threshold             CDATA                " 0 "
>

<!ELEMENT  SNMPLogFilter  EMPTY  >
```



```

<!ATTLIST SNMPLogFilter
    EnabledServers          CDATA          #IMPLIED
    MessageIds              CDATA          #IMPLIED
    MessageSubstring        CDATA          #REQUIRED
    Name                     CDATA          #REQUIRED
    Notes                    CDATA          #IMPLIED
    SeverityLevel           CDATA
                                "weblogic.logging.Severities.ERROR_TEXT"
    SubsystemNames          CDATA          #IMPLIED
    UserIds                  CDATA          #IMPLIED
>

<!ELEMENT SNMPAttributeChange EMPTY >

<!ATTLIST SNMPAttributeChange
    AttributeMBeanName      CDATA          #IMPLIED
    AttributeMBeanType      CDATA          #IMPLIED
    AttributeName            CDATA          #IMPLIED
    EnabledServers          CDATA          #IMPLIED
    Name                     CDATA          #REQUIRED
    Notes                    CDATA          #IMPLIED
>

<!ELEMENT Server ( WebServer? | COM? | NetworkAccessPoint* | ServerStart? |
    SSL? | IIOP? | Log? | ExecuteQueue* ) * >

<!ATTLIST Server
    AcceptBacklog           CDATA          "50"
    AdministrationPort      CDATA          "0"
    AutoKillIfFailed        (true | false)    "false"
    AutoRestart              (true | false)    "true"
    COMEnabled               (true | false)    "false"
    ClasspathServletDisabled (true | false)    "false"
    ClientCertProxyEnabled  (true | false)    "false"
    Cluster                  CDATA          #IMPLIED
    ClusterRuntime           CDATA          #IMPLIED
    ClusterWeight           CDATA          "100"
    CompleteCOMMessageTimeout CDATA          "60"
    CompleteHTTPMessageTimeout CDATA          "60"
    CompleteIIOPMessageTimeout CDATA          "60"
    CompleteT3MessageTimeout CDATA          "60"
    DefaultIIOPPassword      CDATA          #IMPLIED
    DefaultIIOPUser          CDATA          #IMPLIED
    DefaultProtocol          (t3 | t3s | http |
                                https | iiop)    "t3"
    DefaultSecureProtocol    (t3s | https)    "t3s"
    DefaultTGIOPPassword     CDATA          "guest"
    DefaultTGIOPUser         CDATA          "guest"

```

DomainLogFilter	CDATA	#IMPLIED
EnabledForDomainLog	(true false)	"true"
ExpectedToRun	(true false)	"true"
ExternalDNSName	CDATA	#IMPLIED
ExtraRmicOptions	CDATA	#IMPLIED
HealthCheckIntervalSeconds	CDATA	"180"
HealthCheckTimeoutSeconds	CDATA	"60"
HttpdEnabled	(true false)	"true"
IIOPEnabled	(true false)	"true"
IdleIIOPConnectionTimeout	CDATA	"60"
InstrumentStackTraceEnabled	(true false)	"true"
InterfaceAddress	CDATA	#IMPLIED
J2EE12OnlyModeEnabled	(true false)	"false"
JDBCLogFileFileName	CDATA	"jdbc.log"
JDBCLoggingEnabled	(true false)	"false"
JMSDefaultConnectionFactoryEnabled	(true false)	"true"
JNDITransportableObjectFactoryList	CDATA	#IMPLIED
JavaCompiler	CDATA	"javac"
JavaCompilerPostClassPath	CDATA	#IMPLIED
JavaCompilerPreClassPath	CDATA	#IMPLIED
ListenAddress	CDATA	#IMPLIED
ListenDelaySecs	CDATA	"0"
ListenPort	CDATA	"7001"
ListenPortEnabled	(true false)	"true"
LogRemoteExceptionsEnabled	(true false)	"false"
LoginTimeout	CDATA	"1000"
LoginTimeoutMillis	CDATA	"5000"
Logs	CDATA	#IMPLIED
LowMemoryGCThreshold	CDATA	"5"
LowMemoryGranularityLevel	CDATA	"5"
LowMemorySampleSize	CDATA	"10"
LowMemoryTimeInterval	CDATA	"3600"
MSIFileReplicationEnabled	(true false)	"false"
Machine	CDATA	#IMPLIED
ManagedServerIndependenceEnabled	(true false)	"true"
MaxCOMMessageSize	CDATA	"10000000"
MaxHTTPMessageSize	CDATA	"10000000"
MaxIIOPMessageSize	CDATA	"10000000"
MaxOpenSockCount	CDATA	"2147483647"
MaxT3MessageSize	CDATA	"10000000"
Name	CDATA	#REQUIRED
NativeIOEnabled	(true false)	"true"
Notes	CDATA	#IMPLIED

```

PreferredSecondaryGroup    CDATA                #IMPLIED
ReplicationGroup           CDATA                #IMPLIED
RestartDelaySeconds        CDATA                "0"
RestartIntervalSeconds     CDATA                "3600"
RestartMax                  CDATA                "2"
ReverseDNSAllowed           (true | false)      "false"
ServerLifeCycleTimeoutVal  CDATA                "120"
ServerVersion              CDATA                "unknown"
StagingMode                 (stage | nostage |
                          external_stage)    #IMPLIED
StartupMode                CDATA                "RUNNING"
StdoutDebugEnabled         (true | false)      "false"
StdoutEnabled              (true | false)      "true"
StdoutFormat                (standard | noid)    "standard"
StdoutLogStack             (true | false)      "true"
StdoutSeverityLevel        (64 | 32 | 16 | 8 | 4 |
                          2 | 1)            "16"
StuckThreadMaxTime         CDATA                "600"
StuckThreadTimerInterval   CDATA                "600"
TGIOPEnabled               (true | false)      "false"
ThreadPoolPercentSocketReaders
                          CDATA                "33"
TransactionLogFilePrefix   CDATA                "./"
TunnelingClientPingSecs    CDATA                "45"
TunnelingClientTimeoutSecs
                          CDATA                "40"
TunnelingEnabled           (true | false)      "false"
UploadDirectoryName        CDATA                #IMPLIED
VerboseEJBDeploymentEnabled
                          CDATA                "false"
XMLEntityCache             CDATA                #IMPLIED
XMLRegistry                CDATA                #IMPLIED
>
<!ELEMENT WebServer EMPTY >
<!ATTLIST WebServer
  AcceptContextPathInGetRealPath
    (true | false)      "false"
  Charsets              CDATA                #IMPLIED
  ClusteringEnabled     (true | false)      "false"
  DefaultServerName     CDATA                #IMPLIED
  DefaultWebApp         CDATA                #IMPLIED
  DeploymentOrder       CDATA                "1000"
  FrontendHTTPPort      CDATA                "0"
  FrontendHTTPSPort     CDATA                "0"
  FrontendHost          CDATA                #IMPLIED
  HttpsKeepAliveSecs    CDATA                "60"
  KeepAliveEnabled      (true | false)      "true"

```

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```
    KeepAliveSecs          CDATA          "30"
    LogFileBufferKBytes    CDATA          "8"
    LogFileFlushSecs      CDATA          "60"
    LogFileFormat          (common | extended)  "common"
    LogFileName           CDATA          "access.log"
    LogRotationPeriodMins CDATA          "1440"
    LogRotationTimeBegin  CDATA          #IMPLIED
    LogRotationType       (size | date)    "size"
    LoggingEnabled        (true | false)  "true"
    MaxLogFileSizeKBytes  CDATA          "0"
    MaxPostSize           CDATA          "-1"
    MaxPostTimeSecs      CDATA          "-1"
    Name                  CDATA          #REQUIRED
    Notes                 CDATA          #IMPLIED
    PostTimeoutSecs      CDATA          "30"
    SendServerHeaderEnabled (true | false)  "true"
    SingleSignonDisabled (true | false)  "false"
    Targets               CDATA          #IMPLIED
    URLResource           CDATA          #IMPLIED
    WAPEnabled           (true | false)  "false"
>

<!ELEMENT COM EMPTY >

<!ATTLIST COM
    ApartmentThreaded (true | false)  "false"
    MemoryLoggingEnabled (true | false)  "false"
    NTAUTHHost        CDATA          #IMPLIED
    Name              CDATA          #REQUIRED
    NativeModeEnabled (true | false)  "false"
    Notes             CDATA          #IMPLIED
    PrefetchEnums    (true | false)  "false"
    VerboseLoggingEnabled (true | false)  "false"
>

<!ELEMENT NetworkAccessPoint EMPTY >

<!ATTLIST NetworkAccessPoint
    AcceptBacklog          CDATA          "-1"
    CompleteCOMMessageTimeout CDATA          "-1"
    CompleteHTTPMessageTimeout
    CompleteT3MessageTimeout CDATA          "-1"
    ListenAddress          CDATA          #IMPLIED
    ListenPort             CDATA          "-1"
    LoginTimeoutMillis     CDATA          "-1"
    LoginTimeoutMillisSSL  CDATA          "-1"
    Name                   CDATA          #REQUIRED
    Notes                  CDATA          #IMPLIED
    SSLListenPort         CDATA          "-1"
```

```

    TunnelingClientPingSecs      CDATA          "-1"
    TunnelingClientTimeoutSecs   CDATA          "-1"
>
<!ELEMENT ServerStart EMPTY >
<!ATTLIST ServerStart
    Arguments      CDATA          #IMPLIED
    BeaHome        CDATA          #IMPLIED
    ClassPath      CDATA          #IMPLIED
    JavaHome       CDATA          #IMPLIED
    Name           CDATA          #REQUIRED
    Notes          CDATA          #IMPLIED
    Password       CDATA          ""
    RootDirectory  CDATA          #IMPLIED
    SecurityPolicyFile CDATA          #IMPLIED
    Username       CDATA          ""
>
<!ELEMENT SSL EMPTY >
<!ATTLIST SSL
    CertAuthenticator      CDATA          #IMPLIED
    CertificateCacheSize   CDATA          "3"
    Ciphersuites           CDATA          #IMPLIED
    ClientCertificateEnforced (true | false) "false"
    Enabled                (true | false) "false"
    ExportKeyLifespan      CDATA          "500"
    HandlerEnabled         (true | false) "true"
    HostnameVerificationIgnored
                        (true | false) "false"
    HostnameVerifier       CDATA          #IMPLIED
    KeyEncrypted           (true | false) "false"
    ListenPort             CDATA          "7002"
    LoginTimeoutMillis     CDATA          "25000"
    Name                   CDATA          #REQUIRED
    Notes                  CDATA          #IMPLIED
    PeerValidationEnforced CDATA          "0"
    ServerCertificateChainFileName
                        CDATA          "server-certchain.pem"
    ServerCertificateFileName CDATA          "server-cert.der"
    ServerKeyFileName      CDATA          "server-key.der"
    ServerPrivateKeyAlias   CDATA          #IMPLIED
    ServerPrivateKeyPassPhrase
                        CDATA          #IMPLIED
    TrustedCAFileName      CDATA          "trusted-ca.pem"
    TwoWaySSLEnabled       (true | false) "false"
    UseJava                (true | false) "true"
>

```

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```
<!ELEMENT IIOP EMPTY >

<!ATTLIST IIOP
  CompleteMessageTimeout    CDATA          "60"
  IdleConnectionTimeout     CDATA          "60"
  MaxMessageSize            CDATA          "10000000"
  Name                      CDATA          #REQUIRED
  Notes                     CDATA          #IMPLIED
>

<!ELEMENT ExecuteQueue EMPTY >

<!ATTLIST ExecuteQueue
  Name                      CDATA          #REQUIRED
  Notes                     CDATA          #IMPLIED
  ThreadCount              CDATA          "15"
>

<!ELEMENT EmbeddedLDAP EMPTY >

<!ATTLIST EmbeddedLDAP
  BackupCopies              CDATA          "7"
  BackupHour                CDATA          "23"
  BackupMinute             CDATA          "05"
  CacheEnabled              (true | false)    "true"
  CacheSize                 CDATA          "32"
  CacheTTL                 CDATA          "60"
  Credential                CDATA          #IMPLIED
  Name                      CDATA          #REQUIRED
  Notes                     CDATA          #IMPLIED
>

<!ELEMENT Administrator EMPTY >

<!ATTLIST Administrator
  EmailAddress              CDATA          "root"
  Name                      CDATA          #REQUIRED
  Notes                     CDATA          #IMPLIED
  PhoneNumber               CDATA          #IMPLIED
  WriteAuthorized           (true | false)    "false"
>

<!ELEMENT ApplicationManager EMPTY >

<!ATTLIST ApplicationManager
  AutoDeployedEnabled       (true | false)    "true"
  AutoUpdateInterval        CDATA          "3000"
  Name                      CDATA          #REQUIRED
  Notes                     CDATA          #IMPLIED
>
```

```

<!ELEMENT Application ( EJBComponent* | WebAppComponent* )* >
<!ATTLIST Application
  DeploymentTimeout          CDATA                "600000"
  DeploymentType             (TYPE_EAR |
                             TYPE_EXPLODED_EAR |
                             TYPE_COMPONENT |
                             TYPE_EXPLODED_COMPONENT) "TYPE_UNKNOWN"
  LastModified              CDATA                "0"
  LoadOrder                 CDATA                "100"
  Name                      CDATA                #REQUIRED
  Notes                     CDATA                #IMPLIED
  Path                      CDATA                #REQUIRED
  StagingMode               (nostage | stage |
                             external_stage)     #IMPLIED
  StagingPath               CDATA                #IMPLIED
>
<!ELEMENT EJBComponent EMPTY >
<!ATTLIST EJBComponent
  Application                CDATA                #IMPLIED
  DeploymentOrder            CDATA                "1000"
  ExtraRmicOptions           CDATA                #IMPLIED
  ForceGeneration            (true | false)       "false"
  JavaCompiler               CDATA                #IMPLIED
  JavaCompilerPostClassPath CDATA                #IMPLIED
  JavaCompilerPreClassPath  CDATA                #IMPLIED
  KeepGenerated              (true | false)       "true"
  Name                      CDATA                #REQUIRED
  Notes                     CDATA                #IMPLIED
  Targets                   CDATA                #IMPLIED
  TmpPath                   CDATA                "tmp_ejb"
  URI                       CDATA                #REQUIRED
  VerboseEJBDeploymentEnabled CDATA                "false"
>
<!ELEMENT WebAppComponent EMPTY >
<!ATTLIST WebAppComponent
  Application                CDATA                #IMPLIED
  AuthFilter                 CDATA                #IMPLIED
  AuthRealmName              CDATA                "weblogic"
  DeploymentOrder            CDATA                "1000"
  IndexDirectoryEnabled      (true | false)       "false"
  Name                      CDATA                #REQUIRED
  Notes                     CDATA                #IMPLIED
  PreferWebInfClasses        (true | false)       "false"
  ServletExtensionCaseSensitive

```

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```

        ServletReloadCheckSecs      (true | false)      "false"
        SessionMonitoringEnabled    (true | false)      "false"
        SingleThreadedServletPoolSize
        CDATA                          "5"
        Targets                      CDATA              #IMPLIED
        URI                          CDATA              #REQUIRED
        VirtualHosts                 CDATA              #IMPLIED
        WebServers                   CDATA              #IMPLIED
    >

<!ELEMENT BridgeDestination EMPTY >

<!ATTLIST BridgeDestination
    AdapterJNDIName      CDATA              "JMS_XA_ADAPTER_JNDI"
    Classpath           CDATA              #IMPLIED
    Name                CDATA              #REQUIRED
    Notes               CDATA              #IMPLIED
    Properties          CDATA              #IMPLIED
    UserName            CDATA              #IMPLIED
    UserPassword        CDATA              #IMPLIED
>

<!ELEMENT CachingRealm EMPTY >

<!ATTLIST CachingRealm
    ACLCacheEnable      (true | false)      "true"
    ACLCacheSize        CDATA              "211"
    ACLCacheTTLNegative CDATA              "10"
    ACLCacheTTLPositive CDATA              "60"
    AuthenticationCacheEnable (true | false) "true"
    AuthenticationCacheSize CDATA          "211"
    AuthenticationCacheTTLNegative
        CDATA              "10"
    AuthenticationCacheTTLPositive
        CDATA              "60"
    BasicRealm          CDATA              #REQUIRED
    CacheCaseSensitive (true | false)      "true"
    GroupCacheEnable    (true | false)      "true"
    GroupCacheSize      CDATA              "211"
    GroupCacheTTLNegative CDATA          "10"
    GroupCacheTTLPositive CDATA          "60"
    GroupMembershipCacheTTL CDATA        "300"
    Name                CDATA              #REQUIRED
    Notes               CDATA              #IMPLIED
    PermissionCacheEnable (true | false) "true"
    PermissionCacheSize CDATA              "211"
    PermissionCacheTTLNegative
        CDATA              "10"
    PermissionCacheTTLPositive

```



```

        UserCacheEnable          CDATA          "60"
        UserCacheSize            CDATA          "211"
        UserCacheTTLNegative     CDATA          "10"
        UserCacheTTLPositive     CDATA          "60"
    >

<!ELEMENT Cluster ( Server* )* >

<!ATTLIST Cluster
    ClientCertProxyEnabled     (true | false)          "false"
    ClusterAddress             CDATA          #IMPLIED
    DefaultLoadAlgorithm       (round-robin |
        weight-based | random) "round-robin"
    MulticastAddress           CDATA          "237.0.0.1"
    MulticastBufferSize        CDATA          "64"
    MulticastPort              CDATA          "7001"
    MulticastSendDelay         CDATA          "12"
    MulticastTTL               CDATA          "1"
    Name                       CDATA          #REQUIRED
    Notes                      CDATA          #IMPLIED
>

<!ELEMENT ConnectorComponent EMPTY >

<!ATTLIST ConnectorComponent
    Application                CDATA          #IMPLIED
    DeploymentOrder            CDATA          "1000"
    Name                       CDATA          #REQUIRED
    Notes                      CDATA          #IMPLIED
    Targets                    CDATA          #IMPLIED
    URI                       CDATA          #REQUIRED
>

<!ELEMENT CustomRealm EMPTY >

<!ATTLIST CustomRealm
    ConfigurationData          CDATA          #IMPLIED
    Name                      CDATA          #REQUIRED
    Notes                     CDATA          #IMPLIED
    Password                   CDATA          #IMPLIED
    RealmClassName             CDATA          #IMPLIED
>

<!ELEMENT DomainLogFilter EMPTY >

<!ATTLIST DomainLogFilter
    Name                      CDATA          #REQUIRED
    Notes                     CDATA          #IMPLIED
    SeverityLevel             (INFO | WARNING |

```

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```

                                ERROR | NOTICE |
                                CRITICAL | ALERT |
                                EMERGENCY)
SubsystemNames                  CDATA                  "16"
UserIds                         CDATA                  #IMPLIED
>
<!ELEMENT EJBContainer EMPTY >
<!ATTLIST EJBContainer
  ExtraRmicOptions              CDATA                  #IMPLIED
  ForceGeneration               (true | false)       "false"
  JavaCompiler                  CDATA                  #IMPLIED
  JavaCompilerPostClassPath     CDATA                  #IMPLIED
  JavaCompilerPreClassPath      CDATA                  #IMPLIED
  KeepGenerated                 (true | false)       "true"
  Name                           CDATA                  #REQUIRED
  Notes                         CDATA                  #IMPLIED
  TmpPath                       CDATA                  "tmp_ejb"
  VerboseEJBDeploymentEnabled    CDATA                  "false"
>
<!ELEMENT FileRealm EMPTY >
<!ATTLIST FileRealm
  MaxACLs                       CDATA                  "1000"
  MaxGroups                     CDATA                  "1000"
  MaxUsers                      CDATA                  "1000"
  Name                           CDATA                  #REQUIRED
  Notes                         CDATA                  #IMPLIED
>
<!ELEMENT FileT3 (Deprecated) EMPTY >
<!ATTLIST FileT3 (Deprecated)
  DeploymentOrder               CDATA                  "1000"
  Name                           CDATA                  #REQUIRED
  Notes                         CDATA                  #IMPLIED
  Path                          CDATA                  #IMPLIED
  Targets                       CDATA                  #IMPLIED
>
<!ELEMENT JDBCConnectionPool EMPTY >
<!ATTLIST JDBCConnectionPool
  ACLName                       CDATA                  #IMPLIED
  CapacityIncrement             CDATA                  "1"
  ConnLeakProfilingEnabled      (true | false)       "false"
  DeploymentOrder               CDATA                  "1000"

```

```

DriverName          CDATA          #IMPLIED
InitialCapacity     CDATA          "1"
LoginDelaySeconds   CDATA          "0"
MaxCapacity         CDATA          "1"
Name                CDATA          #REQUIRED
Notes               CDATA          #IMPLIED
Password            CDATA          #IMPLIED
PreparedStatementCacheSize
                    CDATA          "0"
Properties           CDATA          #IMPLIED
RefreshMinutes      CDATA          "0"
ShrinkPeriodMinutes CDATA          "15"
ShrinkingEnabled    (true | false) "true"
SupportsLocalTransaction
                    (true | false) "false"
Targets             CDATA          #IMPLIED
TestConnectionsOnRelease
                    (true | false) "false"
TestConnectionsOnReserve
                    (true | false) "false"
TestTableName       CDATA          #IMPLIED
URL                 CDATA          #IMPLIED
XAPassword          CDATA          #IMPLIED
>
<!ELEMENT JDBCDataSourceFactory EMPTY >
<!ATTLIST JDBCDataSourceFactory
  DriverClassName     CDATA          #IMPLIED
  FactoryName         CDATA          #IMPLIED
  Name                CDATA          #REQUIRED
  Notes               CDATA          #IMPLIED
  Properties           CDATA          #IMPLIED
  URL                 CDATA          #IMPLIED
  UserName            CDATA          #IMPLIED
>
<!ELEMENT JDBCDataSource EMPTY >
<!ATTLIST JDBCDataSource
  ConnectionWaitPeriod
                    CDATA          "1"
  DeploymentOrder     CDATA          "1000"
  JNDIName            CDATA          #REQUIRED
  Name                CDATA          #REQUIRED
  Notes               CDATA          #IMPLIED
  PoolName           CDATA          #IMPLIED
  RowPrefetchEnabled  (true | false) "false"
  RowPrefetchSize     CDATA          "48"
  StreamChunkSize     CDATA          "256"
  Targets             CDATA          #IMPLIED
  WaitForConnectionEnabled
                    (true | false) "false"
>

```

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```
<!ELEMENT JDBCMultiPool EMPTY >

<!ATTLIST JDBCMultiPool
  ACLName          CDATA          #IMPLIED
  AlgorithmType    (High-Availability |
                   Load-Balancing) "High-Availability"
  DeploymentOrder  CDATA          "1000"
  Name             CDATA          #REQUIRED
  Notes           CDATA          #IMPLIED
  PoolList        CDATA          #IMPLIED
  Targets         CDATA          #IMPLIED
>

<!ELEMENT JDBCPoolComponent EMPTY >

<!ATTLIST JDBCPoolComponent
  Application      CDATA          #IMPLIED
  DeploymentOrder  CDATA          "1000"
  Name            CDATA          #REQUIRED
  Notes           CDATA          #IMPLIED
  Targets         CDATA          #IMPLIED
  URI             CDATA          #REQUIRED
>

<!ELEMENT JDBCTxDataSource EMPTY >

<!ATTLIST JDBCTxDataSource
  DeploymentOrder  CDATA          "1000"
  EnableTwoPhaseCommit (true | false) "false"
  JNDIName        CDATA          #IMPLIED
  Name            CDATA          #REQUIRED
  Notes           CDATA          #IMPLIED
  PoolName        CDATA          #IMPLIED
  RowPrefetchEnabled (true | false) "false"
  RowPrefetchSize CDATA          "48"
  StreamChunkSize CDATA          "256"
  Targets         CDATA          #IMPLIED
>

<!ELEMENT JMSBridgeDestination EMPTY >

<!ATTLIST JMSBridgeDestination
  AdapterJNDIName  CDATA          "eis.jms.WLSConnectionFactoryJNDIXA"
  Classpath        CDATA          #IMPLIED
  ConnectionFactoryJNDIName CDATA          #IMPLIED
  ConnectionURL    CDATA          #IMPLIED
  DestinationJNDIName CDATA          #IMPLIED
  DestinationType  (Queue | Topic) "Queue"
  InitialContextFactory CDATA
```

```

"weblogic.jndi.WLInitialContextFactory"
Name CDATA #REQUIRED
Notes CDATA #IMPLIED
UserName CDATA #IMPLIED
UserPassword CDATA #IMPLIED
>
<!ELEMENT JMSConnectionFactory EMPTY >
<!ATTLIST JMSConnectionFactory
  AcknowledgePolicy (All | Previous) "All"
  AllowCloseInOnMessage (true | false) "false"
  ClientId CDATA #IMPLIED
  DefaultDeliveryMode (PERSISTENT |
    NON_PERSISTENT) "PERSISTENT"
  DefaultPriority CDATA "PRIORITY_DEFAULT"
  DefaultRedeliveryDelay CDATA "0"
  DefaultTimeToDeliver CDATA "0"
  DefaultTimeToLive CDATA "0"
  DeploymentOrder CDATA "1000"
  FlowControlEnabled (true | false) "true"
  FlowInterval CDATA "60"
  FlowMaximum CDATA "500"
  FlowMinimum CDATA "50"
  FlowSteps CDATA "10"
  JNDIName CDATA #IMPLIED
  LoadBalancingEnabled (true | false) "true"
  MessagesMaximum CDATA "10"
  Name CDATA #REQUIRED
  Notes CDATA #IMPLIED
  OverrunPolicy (KeepOld | KeepNew) "KeepOld"
  ServerAffinityEnabled (true | false) "true"
  Targets CDATA #IMPLIED
  TransactionTimeout CDATA "3600"
  UserTransactionsEnabled (true | false) "false"
  XAConnectionFactoryEnabled
    (true | false) "false"
  XAServerEnabled
    (true | false) "false"
>
<!ELEMENT JMSDistributedQueue ( JMSDistributedQueueMember* | JMSTemplate? )* >
<!ATTLIST JMSDistributedQueue
  DeploymentOrder CDATA "1000"
  ForwardDelay CDATA "-1"
  JNDIName CDATA #IMPLIED
  LoadBalancingPolicy (Round-Robin | RANDOM) "Round-Robin"
  Name CDATA #REQUIRED
  Notes CDATA #IMPLIED

```

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```
Targets                                CDATA                                #IMPLIED
>
<!ELEMENT JMSDistributedQueueMember EMPTY >
<!ATTLIST JMSDistributedQueueMember
  JMSQueue                                CDATA                                #REQUIRED
  Name                                    CDATA                                #REQUIRED
  Notes                                    CDATA                                #IMPLIED
  Weight                                    CDATA                                "1"
>
<!ELEMENT JMSTemplate ( JMSDestinationKey* | JMSQueue* | JMSTopic* )* >
<!ATTLIST JMSTemplate
  BytesMaximum                            CDATA                                "-1"
  BytesPagingEnabled                      (true | false)                      "false"
  BytesThresholdHigh                      CDATA                                "-1"
  BytesThresholdLow                       CDATA                                "-1"
  DeliveryModeOverride                    (Persistent | Non-Persistent |
                                     No-Delivery)                          "No-Delivery"
  DestinationKeys                         CDATA                                #IMPLIED
  ErrorDestination                        CDATA                                #IMPLIED
  MessagesMaximum                         CDATA                                "-1"
  MessagesPagingEnabled                   (true | false)                      "false"
  MessagesThresholdHigh                   CDATA                                "-1"
  MessagesThresholdLow                    CDATA                                "-1"
  Name                                    CDATA                                #REQUIRED
  Notes                                    CDATA                                #IMPLIED
  PriorityOverride                        CDATA                                "-1"
  RedeliveryDelayOverride                 CDATA                                "-1"
  RedeliveryLimit                         CDATA                                "-1"
  TimeToDeliverOverride                   CDATA                                "-1"
  TimeToLiveOverride                     CDATA                                "-1"
>
<!ELEMENT JMSDestinationKey EMPTY >
<!ATTLIST JMSDestinationKey
  Direction                                (Ascending | KEY_DIRECTION_DESCENDING)"Ascending"
  KeyType                                  (Boolean | Byte | Short | Int |
                                     KEY_TYPE_LONG | Float | Double | String)
                                     "String"
  Name                                    CDATA                                #REQUIRED
  Notes                                    CDATA                                #IMPLIED
  Property                                  CDATA                                #REQUIRED
>
```

```

<!ELEMENT JMSQueue ( JMSDestinationKey* )* >

<!ATTLIST JMSQueue
  BytesMaximum          CDATA          "-1"
  BytesPagingEnabled    (default | false | true)    "default"
  BytesThresholdHigh    CDATA          "-1"
  BytesThresholdLow     CDATA          "-1"
  DeliveryModeOverride  (Persistent | Non-Persistent | No-Delivery)    "No-Delivery"
  DestinationKeys       CDATA          #IMPLIED
  ErrorDestination      CDATA          #IMPLIED
  JNDIName              CDATA          #IMPLIED
  JNDINameReplicated    (true | false)    "true"
  MessagesMaximum       CDATA          "-1"
  MessagesPagingEnabled (default | false | true)    "default"
  MessagesThresholdHigh CDATA          "-1"
  MessagesThresholdLow  CDATA          "-1"
  Name                  CDATA          #REQUIRED
  Notes                 CDATA          #IMPLIED
  PriorityOverride       CDATA          "-1"
  RedeliveryDelayOverride CDATA          "-1"
  RedeliveryLimit       CDATA          "-1"
  StoreEnabled          (default | false | true)    "default"
  Template              CDATA          #IMPLIED
  TimeToDeliverOverride CDATA          "-1"
  TimeToLiveOverride    CDATA          "-1"
>

<!ELEMENT JMSTopic ( JMSDestinationKey* )* >

<!ATTLIST JMSTopic
  BytesMaximum          CDATA          "-1"
  BytesPagingEnabled    (default | false | true)    "default"
  BytesThresholdHigh    CDATA          "-1"
  BytesThresholdLow     CDATA          "-1"
  DeliveryModeOverride  (Persistent | Non-Persistent | No-Delivery)    "No-Delivery"
  DestinationKeys       CDATA          #IMPLIED
  ErrorDestination      CDATA          #IMPLIED
  JNDIName              CDATA          #IMPLIED
  JNDINameReplicated    (true | false)    "true"
  MessagesMaximum       CDATA          "-1"
  MessagesPagingEnabled (default | false |

```

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```

    MessagesThresholdHigh      true)                "default"
    MessagesThresholdLow      CDATA                  "-1"
    MulticastAddress           CDATA                  "-1"
    MulticastAddress           CDATA                  #IMPLIED
    MulticastPort              CDATA                  "6001"
    MulticastTTL               CDATA                  "1"
    Name                       CDATA                  #REQUIRED
    Notes                      CDATA                  #IMPLIED
    PriorityOverride           CDATA                  "-1"
    RedeliveryDelayOverride    CDATA                  "-1"
    RedeliveryLimit           CDATA                  "-1"
    StoreEnabled               (default | false |
                               true)                "default"
    Template                   CDATA                  #IMPLIED
    TimeToDeliverOverride      CDATA                  "-1"
    TimeToLiveOverride         CDATA                  "-1"
>

<!ELEMENT JMSDistributedTopic ( JMSDistributedTopicMember* | JMSTemplate? )* >

<!ATTLIST JMSDistributedTopic
    DeploymentOrder           CDATA                  "1000"
    JNDIName                  CDATA                  #IMPLIED
    LoadBalancingPolicy      (Round-Robin | RANDOM) "Round-Robin"
    Name                      CDATA                  #REQUIRED
    Notes                    CDATA                  #IMPLIED
    Targets                   CDATA                  #IMPLIED
>

<!ELEMENT JMSDistributedTopicMember EMPTY >

<!ATTLIST JMSDistributedTopicMember
    JMSTopic                  CDATA                  #REQUIRED
    Name                      CDATA                  #REQUIRED
    Notes                    CDATA                  #IMPLIED
    Weight                    CDATA                  "1"
>

<!ELEMENT JMSFileStore EMPTY >

<!ATTLIST JMSFileStore
    Directory                 CDATA                  #REQUIRED
    Name                     CDATA                  #REQUIRED
    Notes                    CDATA                  #IMPLIED
>

<!ELEMENT JMSJDBCStore EMPTY >

<!ATTLIST JMSJDBCStore
    ConnectionPool           CDATA                  #IMPLIED
```



```

Name                CDATA                #REQUIRED
Notes               CDATA                #IMPLIED
PrefixName         CDATA                #IMPLIED
>
<!ELEMENT JMSSEServer ( JMSSESessionPool* | JMSSEQueue* | JMSSETopic* )* >
<!ATTLIST JMSSEServer
  BytesMaximum      CDATA                "-1"
  BytesPagingEnabled (true | false)      "false"
  BytesThresholdHigh CDATA                "-1"
  BytesThresholdLow  CDATA                "-1"
  DeploymentOrder   CDATA                "1000"
  MessagesMaximum    CDATA                "-1"
  MessagesPagingEnabled (true | false)      "false"
  MessagesThresholdHigh CDATA                "-1"
  MessagesThresholdLow  CDATA                "-1"
  Name              CDATA                #REQUIRED
  Notes            CDATA                #IMPLIED
  PagingStore      CDATA                #IMPLIED
  Store            CDATA                #IMPLIED
  Targets         CDATA                #IMPLIED
  TemporaryTemplate CDATA                #IMPLIED
>
<!ELEMENT JMSSESessionPool ( JMSSEConnectionConsumer* )* >
<!ATTLIST JMSSESessionPool
  AcknowledgeMode (ACKNOWLEDGE_MODE_AUTO |
                  ACKNOWLEDGE_MODE_CLIENT |
                  ACKNOWLEDGE_MODE_DUPS_OK |
                  ACKNOWLEDGE_MODE_NONE) "ACKNOWLEDGE_MODE_AUTO"
  ConnectionFactory CDATA                #IMPLIED
  ListenerClass     CDATA                #REQUIRED
  Name              CDATA                #REQUIRED
  Notes            CDATA                #IMPLIED
  SessionsMaximum   CDATA                "-1"
  Transacted        (true | false)      "false"
>
<!ELEMENT JMSSEConnectionConsumer EMPTY >
<!ATTLIST JMSSEConnectionConsumer
  Destination      CDATA                #REQUIRED
  MessagesMaximum  CDATA                "-1"
  Name            CDATA                #REQUIRED
  Notes          CDATA                #IMPLIED
  Selector        CDATA                #IMPLIED
>

```

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```
<!ELEMENT JMSStore EMPTY >

<!ATTLIST JMSStore
  Name          CDATA          #REQUIRED
  Notes         CDATA          #IMPLIED
>

<!ELEMENT JoltConnectionPool EMPTY >

<!ATTLIST JoltConnectionPool
  ApplicationPassword CDATA          #IMPLIED
  DeploymentOrder    CDATA          "1000"
  FailoverAddresses  CDATA          #IMPLIED
  MaximumPoolSize    CDATA          "1"
  MinimumPoolSize    CDATA          "0"
  Name               CDATA          #REQUIRED
  Notes              CDATA          #IMPLIED
  PrimaryAddresses   CDATA          #IMPLIED
  RecvTimeout        CDATA          "0"
  SecurityContextEnabled (true | false) "false"
  Targets            CDATA          #IMPLIED
  UserName           CDATA          #IMPLIED
  UserPassword       CDATA          #IMPLIED
  UserRole           CDATA          #IMPLIED
>

<!ELEMENT JTAMigratableTarget EMPTY >

<!ATTLIST JTAMigratableTarget
  HostingServer CDATA          #IMPLIED
  Name          CDATA          #REQUIRED
  Notes        CDATA          #IMPLIED
>

<!ELEMENT JTARecoveryService EMPTY >

<!ATTLIST JTARecoveryService
  Name          CDATA          #REQUIRED
  Notes        CDATA          #IMPLIED
>

<!ELEMENT LDAPRealm EMPTY >

<!ATTLIST LDAPRealm
  AuthProtocol (none | simple |
              CRAM-MD5)          "none"
  Credential   CDATA          #IMPLIED
  GroupDN      CDATA          ""
  GroupIsContext (true | false) "true"
  GroupNameAttribute CDATA          "cn"
  GroupUsernameAttribute CDATA          "member"
```

```

LDAPURL                                CDATA                                "ldap://ldapserver:389"
LdapProvider                            CDATA                                "com.sun.jndi.ldap.LdapCtxFactory"
Name                                    CDATA                                #REQUIRED
Notes                                    CDATA                                #IMPLIED
Principal                                CDATA                                #IMPLIED
RealmClassName                          CDATA                                #IMPLIED
SSLEnable                                (true | false)                       "false"
UserAuthentication                       (bind | external | local)            "bind"
UserDN                                    CDATA                                ""
UserNameAttribute                       CDATA                                #IMPLIED
UserPasswordAttribute                   CDATA                                "userpassword"
>
<!ELEMENT Machine ( NodeManager? )* >
<!ATTLIST Machine
  Addresses                            CDATA                                #IMPLIED
  Name                                    CDATA                                #REQUIRED
  Notes                                    CDATA                                #IMPLIED
>
<!ELEMENT NodeManager EMPTY >
<!ATTLIST NodeManager
  Certificate                            CDATA                                "demo.crt"
  CertificatePassword                    CDATA                                "password"
  CertificateType                        CDATA                                "RSA"
  ErrorLog                               CDATA                                #IMPLIED
  ListenAddress                          CDATA                                "localhost"
  ListenPort                             CDATA                                "5555"
  Logs                                    CDATA                                #IMPLIED
  Name                                    CDATA                                #REQUIRED
  Notes                                    CDATA                                #IMPLIED
  OutputLog                              CDATA                                #IMPLIED
  TrustedCertsFile                      CDATA                                "trusted.crt"
>
<!ELEMENT MailSession EMPTY >
<!ATTLIST MailSession
  DeploymentOrder                       CDATA                                "1000"
  JNDIName                               CDATA                                #IMPLIED
  Name                                    CDATA                                #REQUIRED
  Notes                                    CDATA                                #IMPLIED
  Properties                             CDATA                                #IMPLIED
  Targets                                CDATA                                #IMPLIED
>

```

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```
<!ELEMENT MessagingBridge EMPTY >

<!ATTLIST MessagingBridge
  AsyncEnabled          (true | false)          "true"
  BatchInterval         CDATA                    "-1"
  BatchSize             CDATA                    "10"
  DeploymentOrder       CDATA                    "1000"
  DurabilityEnabled     (true | false)          "true"
  IdleTimeMaximum      CDATA                    "60"
  Name                  CDATA                    #REQUIRED
  Notes                 CDATA                    #IMPLIED
  QOSDegradationAllowed (true | false)          "false"
  QualityOfService      (Exactly-once |
                        Atmost-once |
                        Duplicate-okay)         "Exactly-once"
  ReconnectDelayIncrease CDATA                    "5"
  ReconnectDelayMaximum CDATA                    "60"
  ReconnectDelayMinimum CDATA                    "15"
  Selector              CDATA                    #IMPLIED
  SourceDestination     CDATA                    #IMPLIED
  Started               (true | false)          "true"
  TargetDestination     CDATA                    #IMPLIED
  Targets               CDATA                    #IMPLIED
  TransactionTimeout    CDATA                    "30"
>

<!ELEMENT MigratableRMIService EMPTY >

<!ATTLIST MigratableRMIService
  DeploymentOrder       CDATA                    "1000"
  Name                  CDATA                    #REQUIRED
  Notes                 CDATA                    #IMPLIED
  Targets               CDATA                    #IMPLIED
>

<!ELEMENT NetworkChannel EMPTY >

<!ATTLIST NetworkChannel
  AcceptBacklog         CDATA                    "50"
  BoundOutgoingEnabled (true | false)          "false"
  COMEnabled           (true | false)          "false"
  ChannelWeight        CDATA                    "50"
  ClusterAddress       CDATA                    #IMPLIED
  CompleteCOMMessageTimeout CDATA                    "60"
  CompleteHTTPMessageTimeout CDATA                    "60"
  CompleteT3MessageTimeout CDATA                    "60"
  DeploymentOrder      CDATA                    "1000"
  Description          CDATA                    #IMPLIED
  HTTPEnabled          (true | false)          "false"
```

```

    HTTPSEnabled          (true | false)          "false"
    ListenPort            CDATA                    "8001"
    ListenPortEnabled     (true | false)          "false"
    LoginTimeoutMillis    CDATA                    "5000"
    LoginTimeoutMillisSSL CDATA                    "25000"
    MaxCOMMessageSize     CDATA                    "10000000"
    MaxHTTPMessageSize    CDATA                    "10000000"
    MaxT3MessageSize      CDATA                    "10000000"
    Name                  CDATA                    #REQUIRED
    Notes                 CDATA                    #IMPLIED
    OutgoingEnabled       (true | false)          "true"
    SSLListenPort         CDATA                    "8002"
    SSLListenPortEnabled  (true | false)          "false"
    T3Enabled             (true | false)          "false"
    T3SEnabled           (true | false)          "false"
    Targets               CDATA                    #IMPLIED
    TunnelingClientPingSecs CDATA                "45"
    TunnelingClientTimeoutSecs CDATA                "40"
    TunnelingEnabled      (true | false)          "false"
>
<!ELEMENT NTRealm EMPTY >
<!ATTLIST NTRealm
    IgnoreBadDomainName (true | false)          "false"
    Name                CDATA                    #REQUIRED
    Notes               CDATA                    #IMPLIED
    PrimaryDomain       CDATA                    #IMPLIED
    RealmClassName      CDATA                    #IMPLIED
>
<!ELEMENT PasswordPolicy EMPTY >
<!ATTLIST PasswordPolicy
    LockoutCacheSize     CDATA                    "5"
    LockoutDuration      CDATA                    "30"
    LockoutEnabled       (true | false)          "true"
    LockoutGCThreshold   CDATA                    "400"
    LockoutResetDuration CDATA                    "5"
    LockoutThreshold     CDATA                    "5"
    MinimumPasswordLength CDATA                "8"
    Name                 CDATA                    #REQUIRED
    Notes                CDATA                    #IMPLIED
>
<!ELEMENT RDBMSRealm EMPTY >
<!ATTLIST RDBMSRealm
    DatabaseDriver      CDATA

```

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```
DatabasePassword          CDATA          "COM.cloudscape.core.JDBCdriver"
DatabaseURL               CDATA          #IMPLIED
DatabaseUserName         "jdbc:cloudscape:demo;create=true;autocommit=false"
Name                     CDATA          #REQUIRED
Notes                    CDATA          #IMPLIED
RealmClassName           CDATA          "examples.security.rdbmsrealm.RDBMSRealm"
SchemaProperties         CDATA          #IMPLIED
>

<!ELEMENT RMCFactory EMPTY >

<!ATTLIST RMCFactory
  DeploymentOrder        CDATA          "1000"
  JNDIName               CDATA          #IMPLIED
  Name                   CDATA          #REQUIRED
  Notes                  CDATA          #IMPLIED
  Targets                CDATA          #IMPLIED
>

<!ELEMENT ShutdownClass EMPTY >

<!ATTLIST ShutdownClass
  Arguments              CDATA          #IMPLIED
  ClassName              CDATA          #REQUIRED
  DeploymentOrder        CDATA          "1000"
  Name                   CDATA          #REQUIRED
  Notes                  CDATA          #IMPLIED
  Targets                CDATA          #IMPLIED
>

<!ELEMENT SNMPJMXMonitor EMPTY >

<!ATTLIST SNMPJMXMonitor
  EnabledServers         CDATA          #IMPLIED
  MonitoredAttributeName CDATA          #IMPLIED
  MonitoredMBeanName    CDATA          #IMPLIED
  MonitoredMBeanType     CDATA          #IMPLIED
  Name                   CDATA          #REQUIRED
  Notes                  CDATA          #IMPLIED
  PollingInterval       CDATA          "0"
>

<!ELEMENT SNMPTrapSource ( Server* )* >

<!ATTLIST SNMPTrapSource
  Name                   CDATA          #REQUIRED
```

```

Notes                                CDATA                                #IMPLIED
>
<!ELEMENT StartupClass EMPTY >
<!ATTLIST StartupClass
  Arguments                            CDATA                                #IMPLIED
  ClassName                            CDATA                                #REQUIRED
  DeploymentOrder                       CDATA                                "1000"
  FailureIsFatal                       (true | false)                      "false"
  LoadBeforeAppDeployments             (true | false)                      "false"
  Name                                   CDATA                                #REQUIRED
  Notes                                  CDATA                                #IMPLIED
  Targets                                CDATA                                #IMPLIED
>
<!ELEMENT UnixMachine ( NodeManager? )* >
<!ATTLIST UnixMachine
  Addresses                            CDATA                                #IMPLIED
  Name                                  CDATA                                #REQUIRED
  Notes                                  CDATA                                #IMPLIED
  PostBindGID                          CDATA                                "nobody"
  PostBindGIDEnabled                   (true | false)                      "false"
  PostBindUID                           CDATA                                "nobody"
  PostBindUIDEnabled                   (true | false)                      "false"
>
<!ELEMENT UnixRealm EMPTY >
<!ATTLIST UnixRealm
  AuthProgram                          CDATA                                "wlauth"
  Name                                  CDATA                                #REQUIRED
  Notes                                  CDATA                                #IMPLIED
  RealmClassName                       CDATA                                #IMPLIED
>
<!ELEMENT WebServiceComponent EMPTY >
<!ATTLIST WebServiceComponent
  Application                           CDATA                                #IMPLIED
  AuthFilter                            CDATA                                #IMPLIED
  AuthRealmName                        CDATA                                "weblogic"
  DeploymentOrder                       CDATA                                "1000"
  IndexDirectoryEnabled                 (true | false)                      "false"
  Name                                   CDATA                                #REQUIRED
  Notes                                  CDATA                                #IMPLIED
  PreferWebInfClasses                   (true | false)                      "false"
  ServletExtensionCaseSensitive         (true | false)                      "false"

```

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```
ServletReloadCheckSecs      CDATA          "1"
SessionMonitoringEnabled    (true | false) "false"
SingleThreadedServletPoolSize
                             CDATA          "5"
Targets                     CDATA          #IMPLIED
URI                         CDATA          #REQUIRED
VirtualHosts                CDATA          #IMPLIED
WebServers                  CDATA          #IMPLIED
>
<!ELEMENT WLECCConnectionPool EMPTY >
<!ATTLIST WLECCConnectionPool
  ApplicationPassword      CDATA          #IMPLIED
  CertificateAuthenticationEnabled
                             (true | false)    "false"
  DeploymentOrder          CDATA          "1000"
  FailoverAddresses        CDATA          #IMPLIED
  MaximumEncryptionLevel   CDATA          "0"
  MaximumPoolSize          CDATA          "1"
  MinimumEncryptionLevel   CDATA          "0"
  MinimumPoolSize          CDATA          "1"
  Name                     CDATA          #REQUIRED
  Notes                    CDATA          #IMPLIED
  PrimaryAddresses         CDATA          #IMPLIED
  SecurityContextEnabled   (true | false) "false"
  Targets                  CDATA          #IMPLIED
  UserName                 CDATA          #IMPLIED
  UserPassword             CDATA          #IMPLIED
  UserRole                  CDATA          #IMPLIED
  WLEDomain                CDATA          #IMPLIED
>
<!ELEMENT WTCResources EMPTY >
<!ATTLIST WTCResources
  AppPassword              CDATA          #IMPLIED
  AppPasswordIV            CDATA          #IMPLIED
  FldTbl116Classes         CDATA          #IMPLIED
  FldTbl32Classes          CDATA          #IMPLIED
  Name                     CDATA          #REQUIRED
  Notes                    CDATA          #IMPLIED
  ViewTbl116Classes        CDATA          #IMPLIED
  ViewTbl32Classes         CDATA          #IMPLIED
>
<!ELEMENT WTCTBridgeGlobal EMPTY >
<!ATTLIST WTCTBridgeGlobal
  AllowNonStandardTypes    CDATA          "NO"
```



```

DefaultReplyDeliveryMode (PERSIST | NONPERSIST |
                          DEFAULT) #IMPLIED
DeliveryModeOverride (PERSIST | NONPERSIST) #IMPLIED
JmsFactory CDATA #REQUIRED
JmsToTuxPriorityMap CDATA #IMPLIED
JndiFactory CDATA #REQUIRED
Name CDATA #REQUIRED
Notes CDATA #IMPLIED
Retries CDATA "0"
RetryDelay CDATA "10"
Timeout CDATA "60"
Transactional CDATA "YES"
TuxErrorQueue CDATA #IMPLIED
TuxFactory CDATA #REQUIRED
TuxToJmsPriorityMap CDATA #IMPLIED
UserId CDATA #IMPLIED
WlsErrorDestination CDATA #IMPLIED
>

<!ELEMENT XMLEntityCache EMPTY >

<!ATTLIST XMLEntityCache
  CacheDiskSize CDATA "5"
  CacheLocation CDATA "xmlcache"
  CacheMemorySize CDATA "500"
  CacheTimeoutInterval CDATA "120"
  MaxSize CDATA "0"
  Name CDATA #REQUIRED
  Notes CDATA #IMPLIED
>

<!ELEMENT XMLRegistry ( XMLRegistryEntry* | XMLParserSelectRegistryEntry* |
  XMLEntitySpecRegistryEntry* )* >

<!ATTLIST XMLRegistry
  DocumentBuilderFactory CDATA
    "weblogic.apache.xerces.jaxp.DocumentBuilderFactoryImpl"
  Name CDATA #REQUIRED
  Notes CDATA #IMPLIED
  SAXParserFactory CDATA
    "weblogic.apache.xerces.jaxp.SAXParserFactoryImpl"
  TransformerFactory CDATA
    "weblogic.apache.xalan.processor.TransformerFactoryImpl"
  WhenToCache (cache-on-reference |
    cache-at-initialization |
    cache-never) "cache-on-reference"
>

<!ELEMENT XMLRegistryEntry EMPTY >

```

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```
<!ATTLIST XMLRegistryEntry
  DocumentBuilderFactory    CDATA          #IMPLIED
  EntityPath               CDATA          #IMPLIED
  Name                     CDATA          #REQUIRED
  Notes                    CDATA          #IMPLIED
  ParserClassName          CDATA          #IMPLIED
  PublicId                 CDATA          #IMPLIED
  RootElementTag           CDATA          #IMPLIED
  SAXParserFactory         CDATA          #IMPLIED
  SystemId                 CDATA          #IMPLIED
>

<!ELEMENT XMLParserSelectRegistryEntry EMPTY >

<!ATTLIST XMLParserSelectRegistryEntry
  DocumentBuilderFactory    CDATA          #IMPLIED
  Name                     CDATA          #REQUIRED
  Notes                    CDATA          #IMPLIED
  ParserClassName          CDATA          #IMPLIED
  PublicId                 CDATA          #IMPLIED
  RootElementTag           CDATA          #IMPLIED
  SAXParserFactory         CDATA          #IMPLIED
  SystemId                 CDATA          #IMPLIED
  TransformerFactory        CDATA          #IMPLIED
>

<!ELEMENT XMLEntitySpecRegistryEntry EMPTY >

<!ATTLIST XMLEntitySpecRegistryEntry
  CacheTimeoutInterval    CDATA          "-1"
  EntityURI                CDATA          #IMPLIED
  Name                     CDATA          #REQUIRED
  Notes                    CDATA          #IMPLIED
  PublicId                 CDATA          #IMPLIED
  SystemId                 CDATA          #IMPLIED
  WhenToCache              (cache-on-reference |
                           cache-at-initialization |
                           cache-never |
                           defer-to-registry-setting)
                           "defer-to-registry-setting"
>
```

3 Administrator

Description

This bean provides contact information for a system administrator. A domain may define one or more administrators.

Syntax

```
<!ELEMENT Administrator EMPTY >

<!ATTLIST Administrator
  EmailAddress      CDATA          "root"
  Name              CDATA          #REQUIRED
  Notes             CDATA          #IMPLIED
  PhoneNumber       CDATA          #IMPLIED
  WriteAuthorized   (true | false) "false"
>
```

Parent Elements

The Administrator element is a child of the [Domain](#) element.

Attributes

Table 3-1 AdministratorMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
EmailAddress	This administrator's email address. This is either a well-formed email address or null.	<i>Default:</i> "root"	Email

3 Administrator

Table 3-1 AdministratorMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Freeform user information about this Administrator. This method may return null. Typically may include information such as email address, phone number, or location.		Notes
PhoneNumber	Returns this administrator's phone number, or null if none has been specified.		Phone Number
WriteAuthorized	Whether this administrator has write access to the configuration.		Write Access?

4 Application

Description

An application represents a J2EE application contained in an EAR file or EAR directory. The EAR file contains a set of components such as WAR, EJB and RAR connector components, each of which can be deployed on one or more Targets. A target is a server or a cluster. If the application is provided as a standalone module, then this MBean is a synthetic wrapper application only.

Syntax

```
<!ELEMENT Application ( EJBComponent* | WebAppComponent* )* >
<!--
  DeploymentTimeout          CDATA          "600000"
  DeploymentType             (TYPE_EAR |
                             TYPE_EXPLODED_EAR |
                             TYPE_COMPONENT |
                             TYPE_EXPLODED_COMPONENT) "TYPE_UNKNOWN"
  LastModified               CDATA          "0"
  LoadOrder                  CDATA          "100"
  Name                       CDATA          #REQUIRED
  Notes                       CDATA          #IMPLIED
  Path                       CDATA          #REQUIRED
  StagingMode                (nostage | stage |
                             external_stage) #IMPLIED
  StagingPath                CDATA          #IMPLIED
-->
```

Parent Elements

The Application element is a child of the [Domain](#) element.

4 Application

Attributes

Table 4-1 ApplicationMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DeploymentTimeout	Milliseconds granted for a cluster deployment task on this application. If any deployment tasks remain active for longer, the task will be cancelled. The default is ~10 minutes. Note that the server only checks for timed out deployments about once a minute. Only cluster deployments can be timed out.	<i>Default:</i> 600000	Deployment Timeout
DeploymentType	Specifies category of this application. This attribute will be derived if not specified in the configuration.	<i>Default:</i> TYPE_UNKNOWN <i>Valid values:</i> <ul style="list-style-type: none">■ TYPE_EAR■ TYPE_EXPLODED_EAR■ TYPE_COMPONENT■ TYPE_EXPLODED_COMPONENT	Deployment Type
LastModified	The time when this application was last loaded.	<i>Default:</i> 0	Last Modified
LoadOrder	Specifies the order applications are loaded at server startup. Applications with the lowest values are loaded first. Application ordering is only supported for applications deployed with the 2 phase protocol.	<i>Default:</i> 100	Load Order
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name

Table 4-1 ApplicationMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Notes	Optional information that you can include to describe this configuration.		Notes
Path	<p>The location of the original source application files on the Admin Server. Relative paths are based on the root of the Admin Server installation directory. It is highly recommended to use absolute paths to minimize possible issues when upgrading the server.</p> <p>If the application is not being staged (StagingMode==nostage) then the path must be valid on the target server.</p> <p>The path to an Enterprise application (EAR) is the location of the .ear file or the root of the EAR if it is unarchived. e.g. Path="myapps/app.ear" is valid. If the application is a standalone module then the path is the parent directory of the module. e.g. If the module is located at myapps/webapp/webapp.war, the Path="myapps/webapp" is correct, whereas Path="myapps/webapp/webapp.war" is incorrect.</p>		Path
StagingMode	Indicates whether this application is being staged. Staging involves distributing the application files from the admin server to the targeted managed servers staging directory. This attribute is used to override the managed server's StagingMode attribute.	<p><i>Default:</i> null</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none">■ "nostage"■ "stage"■ "external_staging"	Staging Mode

4 Application

Table 4-1 ApplicationMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
StagingPath	Identifies the directory path on the managed server relative to the server's StagingDirectoryName. This is the path used to prepare and activate an application on a managed server. This attribute is derived from the Path attribute, and depends on whether the application is being staged. If the Path attribute for application, myapp, is foo.ear, the staging path is set to myapp/foo.ear. If the path is C:\myapp.ear, the staging path is myapp/myapp.ear. If the application is not being staged (StagingMode==nostage), then the staging path is the same as the Path attribute. If this application is not being staged, the staging path is equivalent to source path (Path attribute)		Staging Path

5 ApplicationManager

Description

The application manager is responsible for managing application across a Domain. It is an AdminServer only MBean that is configurable as a singleton child of Domain.

Syntax

```
<!ELEMENT ApplicationManager EMPTY >
<!ATTLIST ApplicationManager
  AutoDeployedEnabled (true | false)          "true"
  AutoUpdateInterval CDATA                    "3000"
  Name CDATA                                   #REQUIRED
  Notes CDATA                                  #IMPLIED
>
```

Parent Elements

The ApplicationManager element is a child of the [Domain](#) element.

Attributes

Table 5-1 ApplicationManagerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AutoDeployedEnabled	Returns whether or not to automatic deployment is enabled. This defaults to false. In a production environment, this variable should be set to false.	<i>Default: true</i>	Auto Deployed Enabled

5 ApplicationManager

Table 5-1 ApplicationManagerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AutoUpdateInterval	The auto-update interface for the application manager.	<i>Default:</i> 3000	Auto Update Interval
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

6 BridgeDestination

Description

This class represents a messaging bridge destination for non-JMS providers.

Each messaging bridge consists of two destinations that are being bridged: the source destination is the destination from which messages are received, while the target destination is the destination to which messages are sent.

Syntax

```
<!ELEMENT BridgeDestination EMPTY >
<!ATTLIST BridgeDestination
  AdapterJNDIName    CDATA          "JMS_XA_ADAPTER_JNDI "
  Classpath          CDATA          #IMPLIED
  Name               CDATA          #REQUIRED
  Notes              CDATA          #IMPLIED
  Properties         CDATA          #IMPLIED
  UserName           CDATA          #IMPLIED
  UserPassword       CDATA          #IMPLIED
>
```

Parent Elements

The BridgeDestination element is a child of the [Domain](#) element.

Attributes

Table 6-1 BridgeDestinationMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AdapterJNDIName	Defines the JNDI name of the adapter used to communicate with the specified destination. This name is specified in the adapter's deployment descriptor file and is used by the WebLogic Server Connector container to bind the adapter in WebLogic Server JNDI.	<i>Default:</i> JMS_XA_ADAPTER _JNDI	Adapter JNDIName
Classpath	Defines the CLASSPATH of the bridge destination, which is mainly used to connect to a different release of WebLogic JMS. When connecting to a destination that is running on WebLogic Server 6.0 or earlier, the bridge destination must supply a CLASSPATH that indicates the locations of the classes for the earlier WebLogic Server implementation. <i>Note:</i> When connecting to a 3rd party JMS provider, the bridge destination must supply the provider's CLASSPATH either with this attribute or in the WebLogic Server CLASSPATH.		Classpath
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

Table 6-1 BridgeDestinationMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Properties	<p>A string value that specifies all the properties of the bridge destination. The destination properties must be separated by semicolons (;).</p> <p>The following properties are required for WebLogic JMS implementations:</p> <p>ConnectionURL= The URL used to establish a connection to the destination.</p> <p>ConnectionFactoryJNDIName= The JNDI name of the JMS connection factory used to create a connection.</p> <p>DestinationJNDIName= The JNDI name of the JMS destination.</p> <p>DestinationType= Either queue or topic.</p> <p>InitialContextFactory= The factory used to get the JNDI context.</p>		Properties (key=value)
UserName	<p>Defines an optional user name that the adapter will use to access the bridge destination.</p> <p><i>Note:</i> All operations done to the specified destination are done using this user name and the corresponding password. Therefore, the User Name/Password for the source and target destinations must have permission to the access the underlying JMS destinations in order for the messaging bridge to work.</p>		User Name

6 *BridgeDestination*

Table 6-1 BridgeDestinationMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
UserPassword	Defines the user password that the adapter uses to access the bridge destination.		User Password

7 CachingRealm

Syntax

```

<!ELEMENT CachingRealm EMPTY >

<!ATTLIST CachingRealm
  ACLCacheEnable      (true | false)      "true"
  ACLCacheSize        CDATA                "211"
  ACLCacheTTLNegative CDATA                "10"
  ACLCacheTTLPositive CDATA                "60"
  AuthenticationCacheEnable (true | false) "true"
  AuthenticationCacheSize CDATA            "211"
  AuthenticationCacheTTLNegative
    CDATA                                "10"
  AuthenticationCacheTTLPositive
    CDATA                                "60"
  BasicRealm          CDATA                #REQUIRED
  CacheCaseSensitive  (true | false)      "true"
  GroupCacheEnable    (true | false)      "true"
  GroupCacheSize      CDATA                "211"
  GroupCacheTTLNegative CDATA            "10"
  GroupCacheTTLPositive CDATA            "60"
  GroupMembershipCacheTTL CDATA          "300"
  Name                CDATA                #REQUIRED
  Notes               CDATA                #IMPLIED
  PermissionCacheEnable (true | false)    "true"
  PermissionCacheSize CDATA                "211"
  PermissionCacheTTLNegative
    CDATA                                "10"
  PermissionCacheTTLPositive
    CDATA                                "60"
  UserCacheEnable     (true | false)      "true"
  UserCacheSize       CDATA                "211"
  UserCacheTTLNegative CDATA            "10"
  UserCacheTTLPositive CDATA            "60"
>

```

Parent Elements

The CachingRealm element is a child of the [Domain](#) element.

Attributes

Table 7-1 CachingRealmMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ACLCacheEnable	Enables the ACL cache. By default, the ACL cache is enabled.	<i>Default:</i> true	Enable ACL Cache
ACLCacheSize	Maximum number of ACL lookups to cache. This attribute should be a prime number for best lookup performance.	<i>Default:</i> 211 <i>Minimum:</i> 17 <i>Maximum:</i> 65537	ACL Cache Size
ACLCacheTTLNegative	Number of seconds to retain the results of an unsuccessful ACL lookup.	<i>Default:</i> 10 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647	ACL Cache Negative TTL
ACLCacheTTLPositive	Number of seconds to retain the results of a successful ACL lookup.	<i>Default:</i> 60 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647	ACL Cache Positive TTL
AuthenticationCacheEnable	Enables the Authentication cache. By default, the Authentication cache is enabled.	<i>Default:</i> true	Enable Authentication Cache
AuthenticationCacheSize	Maximum number of Authentication requests to cache. This attribute should be a prime number for best lookup performance.	<i>Default:</i> 211 <i>Minimum:</i> 17 <i>Maximum:</i> 65537	Authentication Cache Size
AuthenticationCacheTTLNegative	Number of seconds to retain the results of an unsuccessful Authentication lookup.	<i>Default:</i> 10 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647	Authentication Cache TTLNegative

Table 7-1 CachingRealmMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AuthenticationCacheTTLPositive	Number of seconds to retain the results of a successful Authentication lookup.	<i>Default:</i> 60 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647	Authentication Cache TTLPositive
BasicRealm	Name of the class for the alternate security realm or custom security realm to be used with the Caching Realm. The names of the configured realms appear in the Basic Realms attribute of the Caching Realm table. This attribute is required.		Basic Realm
CacheCaseSensitive	Defines whether the specified security realm is case-sensitive. By default, this attribute is enabled. To use a realm that is not case-sensitive (such as the Windows NT and LDAP security realms), disable this attribute.	<i>Default:</i> true	Case Sensitive Cache
GroupCacheEnable	Enables the Group cache. By default, the Group cache is enabled.	<i>Default:</i> true	Enable Group Cache
GroupCacheSize	Maximum number of Group lookups to cache. This attribute should be a prime number for best performance.	<i>Default:</i> 211 <i>Minimum:</i> 17 <i>Maximum:</i> 65537	Group Cache Size
GroupCacheTTLNegative	Number of seconds to retain the results of an unsuccessful Group lookup.	<i>Default:</i> 10 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647	Group Cache TTLNegative
GroupCacheTTLPositive	Number of seconds to retain the results of a successful Group lookup.	<i>Default:</i> 60 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647	Group Cache TTLPositive

Table 7-1 CachingRealmMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
GroupMembershipCacheTTL	Number of seconds to store the members of a Group before updating it.	<i>Default:</i> 300 <i>Minimum:</i> 1	Group Membership Cache TTL
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
PermissionCacheEnable	Enables the Permission cache. By default, the Permission cache is enabled.	<i>Default:</i> true	Enable Permission Cache
PermissionCacheSize	Maximum number of Permission lookups to cache. This attribute should be a prime number for best performance.	<i>Default:</i> 211 <i>Minimum:</i> 17 <i>Maximum:</i> 65537	Permission Cache Size
PermissionCacheTTLNegative	Number of seconds to retain the results of an unsuccessful Permission lookup.	<i>Default:</i> 10 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647	Permission Cache TTLNegative
PermissionCacheTTLPositive	Number of seconds to retain the results of a successful Permission lookup.	<i>Default:</i> 60 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647	Permission Cache TTLPositive
UserCacheEnable	Enables the User cache. By default, the User cache is enabled.	<i>Default:</i> true	Enable User Cache
UserCacheSize	Maximum number of User lookups to cache. This attribute should be a prime number for best performance.	<i>Default:</i> 211 <i>Minimum:</i> 17 <i>Maximum:</i> 65537	User Cache Size
UserCacheTTLNegative	Number of seconds to retain the results of an unsuccessful User lookup.	<i>Default:</i> 10 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647	User Cache TTLNegative

Table 7-1 CachingRealmMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
UserCacheTTLPositive	Number of seconds to retain the results of a successful User lookup.	<i>Default:</i> 60 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647	User Cache TTLPositive

8 Cluster

Description

This bean represents a cluster in the domain. Servers join a cluster by calling `ServerMBean.setCluster` with the logical name of the cluster. A configuration may define zero or more clusters. They may be looked up by logical name. The name of a cluster denotes its logical cluster name.

Syntax

```
<!ELEMENT Cluster ( Server* )* >

<!ATTLIST Cluster
  ClientCertProxyEnabled    (true | false)          "false"
  ClusterAddress            CDATA                    #IMPLIED
  DefaultLoadAlgorithm      (round-robin |
                             weight-based | random) "round-robin"
  MulticastAddress          CDATA                    "237.0.0.1"
  MulticastBufferSize      CDATA                    "64"
  MulticastPort             CDATA                    "7001"
  MulticastSendDelay       CDATA                    "12"
  MulticastTTL              CDATA                    "1"
  Name                      CDATA                    #REQUIRED
  Notes                     CDATA                    #IMPLIED
>
```

Parent Elements

The Cluster element is a child of the [Domain](#) element.

Attributes

Table 8-1 ClusterMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ClientCertProxyEnabled	Defines if the HttpClusterServlet proxies the client certificate in a special header. It's strongly suggested to use in conjunction with ConnectionFilters to make certain the WebLogic proxy machine is the only connection.	<i>Default:</i> false	Client Cert Proxy Enabled
ClusterAddress	Defines the address to be used by clients to connect to this cluster. This address may be either a DNS host name that maps to multiple IP addresses or a comma separated list of single address host names or IP addresses. If network channels are configured, it is possible to set the cluster address on a per channel basis.		Cluster Address
DefaultLoadAlgorithm	Defines the algorithm to be used for load-balancing between replicated services if none is specified for a particular service.	<i>Default:</i> "round-robin" <i>Valid values:</i> ■ "round-robin" ■ "weight-based" " ■ "random"	Default Load Algorithm
MulticastAddress	Defines the multicast address used by cluster members to communicate with each other.	<i>Default:</i> "237.0.0.1"	Multicast Address
MulticastBufferSize	Defines the multicast socket send/receive buffer size.	<i>Default:</i> 64 <i>Minimum:</i> 64 <i>Units:</i> kilobytes	Multicast Buffer Size

Table 8-1 ClusterMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MulticastPort	Defines the multicast port used by cluster members to communicate with each other.	<i>Default:</i> 7001 <i>Minimum:</i> 1 <i>Maximum:</i> 65535	Multicast Port
MulticastSendDelay	Defines the number of milliseconds to delay sending message fragments over multicast in order to avoid OS-level buffer overflow.	<i>Default:</i> 12 <i>Minimum:</i> 0 <i>Maximum:</i> 100	Multicast Send Delay
MulticastTTL	Defines the number of network hops that a cluster multicast message is allowed to travel. 1 restricts the cluster to one subnet.	<i>Default:</i> 1 <i>Minimum:</i> 1 <i>Maximum:</i> 255	Multicast TTL
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

9 COM

Description

This bean represents the server-wide configuration of COM

Syntax

```
<!ELEMENT COM EMPTY >

<!ATTLIST COM
  ApartmentThreaded      (true | false)      "false"
  MemoryLoggingEnabled   (true | false)      "false"
  NTAuthHost             CDATA                #IMPLIED
  Name                   CDATA                #REQUIRED
  NativeModeEnabled      (true | false)      "false"
  Notes                  CDATA                #IMPLIED
  PrefetchEnums          (true | false)      "false"
  VerboseLoggingEnabled  (true | false)      "false"
>
```

Parent Elements

The COM element is a child of the [Server](#) element.

Attributes

Table 9-1 COMMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ApartmentThreaded	Controls the flag that is used to initialize COM in native mode. By default, jCOM initializes COM using the COINIT_MULTITHREADED_FLAG. If the server logs a Class Not Registered Message when using native mode, try setting this property. (COINIT_APARTMENTTHREADED)	<i>Default: false</i>	Apartment Threaded
MemoryLoggingEnabled	Enables logging of memory usage	<i>Default: false</i>	Memory Logging Enabled
NTAuthHost	The address of the primary domain controller to be used for authenticating clients. If this property is not set, COM clients will not be authenticated.		NTAuth Host
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
NativeModeEnabled	Use native DLLs to allow Java objects to interact with COM Objects. Only supported on Windows.	<i>Default: false</i>	Native Mode Enabled
Notes	Optional information that you can include to describe this configuration.		Notes

Table 9-1 COMMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
PrefetchEnums	Some COM methods return a COM VariantEnumeration type. The java2com tool automatically converts the returned type into a java.lang.Enumeration. This is not a perfect match since COM enumerations have no equivalent to the hasMoreElements() call. The client must continue to call nextElement until a NoSuchElementException occurs. Setting this property will cause jCOM to prefetch the next element in behind the scenes and return the correct value when hasMoreElements is called.		Prefetch Enums
VerboseLoggingEnabled	Enables verbose logging.	<i>Default: false</i>	Verbose Logging Enabled

10 ConnectorComponent

Description

This bean defines a Resource Adapter.

Syntax

```
<!ELEMENT ConnectorComponent EMPTY >

<!ATTLIST ConnectorComponent
  Application          CDATA          #IMPLIED
  DeploymentOrder     CDATA          " 1000 "
  Name                 CDATA          #REQUIRED
  Notes               CDATA          #IMPLIED
  Targets             CDATA          #IMPLIED
  URI                 CDATA          #REQUIRED
>
```

Parent Elements

The ConnectorComponent element is a child of the [Domain](#) element.

Attributes

Table 10-1 ConnectorComponentMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Application	The application this component is a part of. This is guaranteed to never be null.		Application

10 ConnectorComponent

Table 10-1 ConnectorComponentMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Deployment Order
Name	<p>The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.</p>		Name
Notes	<p>Optional information that you can include to describe this configuration.</p>		Notes
Targets	<p>The targets in the current domain on which this item can be deployed.</p>		Targets
URI	<p>Return a URI pointing to the application component, usually on the Admin Server.</p>		URI

11 CustomRealm

Syntax

```
<!ELEMENT CustomRealm EMPTY >

<!ATTLIST CustomRealm
  ConfigurationData      CDATA          #IMPLIED
  Name                   CDATA          #REQUIRED
  Notes                  CDATA          #IMPLIED
  Password               CDATA          #IMPLIED
  RealmClassName         CDATA          #IMPLIED
>
```

Parent Elements

The CustomRealm element is a child of the [Domain](#) element.

Attributes

Table 11-1 CustomRealmMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ConfigurationData	Information needed to connect to the security store of the custom security realm.		Configuration Data (key=value)
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

11 *CustomRealm*

Table 11-1 CustomRealmMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Password	Password for the custom security realm. If a password is supplied, WebLogic Server encrypts it.		Password
RealmClassName	The name of Java class that implements the custom security realm.		Realm Class Name

12 Domain

Description

A WebLogic Domain.

A WebLogic Domain is a special target, the "Domain" target.

Syntax

```
<!ELEMENT Domain ( SecurityConfiguration? | Security? | JTA? | WTCServer* |
  Log? | SNMPAgent? | Server* | EmbeddedLDAP? | Administrator* |
  ApplicationManager* | Application* | BridgeDestination* | CachingRealm* |
  Cluster* | ConnectorComponent* | CustomRealm* | DomainLogFilter* |
  Domain* | EJBContainer* | FileRealm* | FileT3 (Deprecated)* |
  JDBCConnectionPool* |
  JDBCDataSourceFactory* | JDBCDataSource* | JDBCMultiPool* |
  JDBCPoolComponent* | JDBCTxDataSource* | JMSBridgeDestination* |
  JMSConnectionFactory* | JMSDistributedQueue* | JMSDistributedTopic* |
  JMSFileStore* | JMSJDBCStore* | JMSServer* | JMSStore* |
  JoltConnectionPool* | JTAMigratableTarget* | JTARecoveryService* |
  LDAPRealm* | Machine* | MailSession* | MessagingBridge* |
  MigratableRMIService* | NetworkChannel* | NTRealm* | PasswordPolicy* |
  RDBMSRealm* | RMCFactory* | ShutdownClass* | SNMPJMXMonitor* |
  SNMPTrapSource* | StartupClass* | UnixMachine* | UnixRealm* |
  WebServiceComponent* | WLECCConnectionPool* | WTCResources* |
  WTCtBridgeGlobal* | XMLEntityCache* | XMLRegistry* )* >
```

```
<!ATTLIST Domain
  AdministrationPort          CDATA          "9002"
  AdministrationPortEnabled   (true | false)  "false"
  ConfigurationVersion        CDATA          #IMPLIED
  ConsoleContextPath          CDATA          "console"
  ConsoleEnabled              (true | false)  "true"
  LastModificationTime        CDATA          "0"
  Name                        CDATA          #REQUIRED
  Notes                       CDATA          #IMPLIED
```

Table 12-1 DomainMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ConfigurationVersion	The release identifier for the configuration. This identifier will be used to indicate the version of the configuration. All server generated configurations will be established with the release identifier of the running server. The form of the version is major.minor.servicepack.rollingpatch. Not all parts of the version are required. i.e. "7" is acceptable.	<i>Default:</i> null	Configuration Version
ConsoleContextPath	Specifies the context path for the WLS console.	<i>Default:</i> "console"	Console Context Path
ConsoleEnabled	Indicates whether the WLS console should be auto-deployed for this domain.	<i>Default:</i> true	Console Enabled
LastModificationTime	The last time this domain was updated. This is guaranteed to be unique for a given transactional modification.	<i>Default:</i> 0	Last Modified on
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
RootDirectory	The root directory for the domain. In other words for a server process [ServerMBean.getRootDirectory] or [ServerMBean.getDomainDirectory]		Root Directory

13 DomainLogFilter

Description

This MBean represents a filter to qualify log messages which are logged to the domain logfile. A message must qualify all criteria specified to qualify the filter. Multiple instances of this MBean can be defined, if needed. If there are multiple instances, a message must qualify atleast one filter to qualify for the domain logfile.

Syntax

```
<!ELEMENT DomainLogFilter EMPTY >

<!ATTLIST DomainLogFilter
  Name                CDATA                #REQUIRED
  Notes               CDATA                #IMPLIED
  SeverityLevel       (INFO | WARNING |
                      ERROR | NOTICE |
                      CRITICAL | ALERT |
                      EMERGENCY)           "16"
  SubsystemNames      CDATA                #IMPLIED
  UserIds             CDATA                #IMPLIED
>
```

Parent Elements

The DomainLogFilter element is a child of the [Domain](#) element.

13 DomainLogFilter

Attributes

Table 13-1 DomainLogFilterMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
SeverityLevel	The minimum severity of a message that this filter forwards to the domain log. All messages with the specified severity and higher will be sent to the domain log. The ascending order of severities is INFO(64), WARNING(32), ERROR(16), NOTICE(8), CRITICAL(4), ALERT(2), and EMERGENCY(1).	<i>Default:</i> 16 <i>Valid values:</i> <ul style="list-style-type: none">■ INFO■ WARNING■ ERROR■ NOTICE■ CRITICAL■ ALERT■ EMERGENCY	Severity Level
SubsystemNames	The subsystems for which this filter can forward messages to the domain log. If no subsystems are chosen, then the filter sends messages from all subsystems.		Subsystems
UserIds	The user IDs for which associated messages are sent to the domain log. Every message includes the user ID from the security context in which the message was generated. You can create a filter that forwards only the messages that are associated with one or more user IDs. If no IDs are specified, messages from all user IDs can be sent to the domain log.		User Ids

14 EJBComponent

Syntax

```

<!ELEMENT EJBComponent EMPTY >

<!ATTLIST EJBComponent
  Application          CDATA          #IMPLIED
  DeploymentOrder      CDATA          "1000"
  ExtraRmicOptions     CDATA          #IMPLIED
  ForceGeneration      (true | false) "false"
  JavaCompiler         CDATA          #IMPLIED
  JavaCompilerPostClassPath CDATA      #IMPLIED
  JavaCompilerPreClassPath CDATA      #IMPLIED
  KeepGenerated        (true | false) "true"
  Name                 CDATA          #REQUIRED
  Notes                CDATA          #IMPLIED
  Targets              CDATA          #IMPLIED
  TmpPath              CDATA          "tmp_ejb"
  URI                  CDATA          #REQUIRED
  VerboseEJBDeploymentEnabled CDATA      "false"
>

```

Parent Elements

The EJBComponent element is a child of the [Application](#) element.

Attributes

Table 14-1 EJBComponentMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Application	The application this component is a part of. This is guaranteed to never be null.		Application
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Deployment Order
ExtraRmicOptions	The extra options passed to rmic during server-side generation. Note: the default for this attribute must be null. If no ExtraRmicOptions are specified on the EJBComponent, the default will be pulled from Server.ExtraRmicOptions..	<i>Default:</i> null	Extra Rmic Options
ForceGeneration	Return true if ejbc should force regeneration of wrapper classes, false if it should regenerate the files only if it determines it needs to do so.	<i>Default:</i> false	Force Generation
JavaCompiler	The path to the Java compiler to use to compile EJB's (e.g. "sj" or "javac"). Note: the default for this attribute must be null. If no JavaCompiler is specified on this specific EJBComponent, the default will be pulled in the following order from - EJBContainerMBean - Server.JavaCompiler.	<i>Default:</i> null	Java Compiler

Table 14-1 EJBComponentMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
JavaCompilerPostClassPath	The options to append to the Java compiler classpath for when we need to compile Java code.	<i>Default:</i> null	Java Compiler Post Class Path
JavaCompilerPreClassPath	The options to prepend to the Java compiler classpath for when we need to compile Java code.	<i>Default:</i> null	Java Compiler Pre Class Path
KeepGenerated	Return true if ejbc should keep its generated source files, false if it should delete them after compiling them.	<i>Default:</i> true	Keep Generated
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
Targets	The targets in the current domain on which this item can be deployed.		Targets
TmpPath	The temporary directory where generated files are stored by ejbc.	<i>Default:</i> "tmp_ejb"	Tmp Path
URI	Return a URI pointing to the application component, usually on the Admin Server.		URI
VerboseEJBDeploymentEnabled	Returns true if verbose deployment of EJB's is enabled.	<i>Default:</i> "false"	Verbose EJBDeployment Enabled

15 EJBContainer

Description

This MBean is used to specify EJB container-wide settings. These can be overridden by a specific `EJBComponentMBean`.

Syntax

```
<!ELEMENT EJBContainer EMPTY >

<!ATTLIST EJBContainer
  ExtraRmicOptions      CDATA          #IMPLIED
  ForceGeneration       (true | false) "false"
  JavaCompiler          CDATA          #IMPLIED
  JavaCompilerPostClassPath CDATA      #IMPLIED
  JavaCompilerPreClassPath CDATA       #IMPLIED
  KeepGenerated         (true | false) "true"
  Name                  CDATA          #REQUIRED
  Notes                 CDATA          #IMPLIED
  TmpPath               CDATA          "tmp_ejb"
  VerboseEJBDeploymentEnabled CDATA      "false"
>
```

Parent Elements

The `EJBContainer` element is a child of the [Domain](#) element.

Attributes

Table 15-1 EJBContainerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ExtraRmicOptions	The extra options passed to rmic during server-side generation. Note: the default for this attribute must be null. If no ExtraRmicOptions are specified on the EJBComponent, the default will be pulled from Server.ExtraRmicOptions..	<i>Default:</i> null	Extra Rmic Options
ForceGeneration	Return true if ejbc should force regeneration of wrapper classes, false if it should regenerate the files only if it determines it needs to do so.	<i>Default:</i> false	Force Generation
JavaCompiler	The path to the Java compiler to use to compile EJB's (e.g. "sj" or "javac"). Note: the default for this attribute must be null. If no JavaCompiler is specified on this specific EJBComponent, the default will be pulled in the following order from - EJBContainerMBean - Server.JavaCompiler.	<i>Default:</i> null	Java Compiler
JavaCompilerPostClassPath	The options to append to the Java compiler classpath for when we need to compile Java code.	<i>Default:</i> null	Java Compiler Post Class Path
JavaCompilerPreClassPath	The options to prepend to the Java compiler classpath for when we need to compile Java code.	<i>Default:</i> null	Java Compiler Pre Class Path
KeepGenerated	Return true if ejbc should keep its generated source files, false if it should delete them after compiling them.	<i>Default:</i> true	Keep Generated
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name

Table 15-1 EJBContainerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Notes	Optional information that you can include to describe this configuration.		Notes
TmpPath	The temporary directory where generated files are stored by ejbc.	<i>Default:</i> "tmp_ejb"	Tmp Path
VerboseEJBDeploymentEnabled	Returns true if verbose deployment of EJB's is enabled.	<i>Default:</i> "false"	Verbose EJBDeployment Enabled

16 EmbeddedLDAP

Description

The MBean that defines the configuration properties for the embedded ldap server.

Syntax

```
<!ELEMENT EmbeddedLDAP EMPTY >

<!ATTLIST EmbeddedLDAP
  BackupCopies          CDATA          "7"
  BackupHour            CDATA          "23"
  BackupMinute         CDATA          "05"
  CacheEnabled         (true | false)  "true"
  CacheSize            CDATA          "32"
  CacheTTL            CDATA          "60"
  Credential           CDATA          #IMPLIED
  Name                 CDATA          #REQUIRED
  Notes                CDATA          #IMPLIED
>
```

Parent Elements

The EmbeddedLDAP element is a child of the [Domain](#) element.

Attributes

Table 16-1 EmbeddedLDAPMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
BackupCopies	The number of backup copies of the embedded LDAP server.	<i>Default:</i> 7 <i>Minimum:</i> 0 <i>Maximum:</i> 65534	Backup Copies
BackupHour	The hour at which to backup the embedded LDAP server.	<i>Default:</i> 23 <i>Minimum:</i> 0 <i>Maximum:</i> 23	Backup Hour
BackupMinute	The minute at which to backup the embedded LDAP server. This attribute is used in conjunction with the BackupHour attribute to determine the time at which the embedded LDAP server is backed up.	<i>Default:</i> 05 <i>Minimum:</i> 0 <i>Maximum:</i> 59	Backup Minute
CacheEnabled	Specifies whether or not a cache is used for the embedded LDAP server.	<i>Default:</i> true	Cache Enabled
CacheSize	The size of the cache (in K) that is used with the embedded LDAP server.	<i>Default:</i> 32 <i>Minimum:</i> 0	Cache Size
CacheTTL	The time-to-live (TTL) of the cache in seconds.	<i>Default:</i> 60 <i>Minimum:</i> 0	Cache TTL
Credential	The credential (usually password) used to connect to the embedded LDAP server.	<i>Default:</i> null	Credential
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

17 ExecuteQueue

Description

This bean is used to configure an execute queue and its associated thread pool.

Syntax

```
<!ELEMENT ExecuteQueue EMPTY >
<!ATTLIST ExecuteQueue
  Name                CDATA                #REQUIRED
  Notes               CDATA                #IMPLIED
  ThreadCount        CDATA                " 15 "
>
```

Parent Elements

The ExecuteQueue element is a child of the [Server](#) element.

Attributes

Table 17-1 ExecuteQueueMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

17 *ExecuteQueue*

Table 17-1 ExecuteQueueMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ThreadCount	The number of threads assigned to this queue.	<i>Default:</i> 15 <i>Minimum:</i> 1 <i>Maximum:</i> 65536	Thread Count

18 FileRealm

Syntax

```
<!ELEMENT FileRealm EMPTY >

<!ATTLIST FileRealm
  MaxACLs          CDATA          " 1000 "
  MaxGroups        CDATA          " 1000 "
  MaxUsers         CDATA          " 1000 "
  Name             CDATA          #REQUIRED
  Notes            CDATA          #IMPLIED
>
```

Parent Elements

The FileRealm element is a child of the [Domain](#) element.

Attributes

Table 18-1 FileRealmMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MaxACLs	The maximum number of (positive) ACLs supported by the File realm. The maximum is not enforced, but a warning is issued when you reach it.	<i>Default:</i> 1000 <i>Minimum:</i> 1 <i>Maximum:</i> 10000	Max ACLs
MaxGroups	The maximum number of groups supported by the File realm.	<i>Default:</i> 1000 <i>Minimum:</i> 1 <i>Maximum:</i> 10000	Max Groups

18 FileRealm

Table 18-1 FileRealmMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MaxUsers	The maximum number of users supported by File realm.	<i>Default:</i> 1000 <i>Minimum:</i> 1 <i>Maximum:</i> 10000	Max Users
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

19 FileT3 (Deprecated)

Description

A File T3 configuration entry

Syntax

```
<!ELEMENT FileT3 EMPTY >

<!ATTLIST FileT3
  DeploymentOrder      CDATA          "1000"
  Name                 #REQUIRED
  Notes               CDATA          #IMPLIED
  Path                CDATA          #IMPLIED
  Targets             CDATA          #IMPLIED
>
```

Parent Elements

The FileT3 element is a child of the [Domain](#) element.

19 FileT3 (Deprecated)

Attributes

Table 19-1 FileT3MBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Deployment Order
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
Path	Defines the path used to locate a T3 file service on a server host. p> or example: To map the file system name <code>users</code> to the path on the server host <code>/usr/local/tmp</code> , specify the value of the Name attribute as <code>users</code> and specify the value of the Path attribute as <code>/usr/local/tmp</code> .		Path
Targets	The targets in the current domain on which this item can be deployed.		Targets

20 IIOP

Description

Configuration for IIOP properties.

Syntax

```
<!ELEMENT IIOP EMPTY >

<!ATTLIST IIOP
  CompleteMessageTimeout  CDATA          "60"
  IdleConnectionTimeout   CDATA          "60"
  MaxMessageSize          CDATA          "10000000"
  Name                    CDATA          #REQUIRED
  Notes                   CDATA          #IMPLIED
>
```

Parent Elements

The IIOP element is a child of the [Server](#) element.

Attributes

Table 20-1 IIO P MBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
CompleteMessageTimeout	Specify the maximum number of seconds spent waiting for a complete IIO P message to be received. This attribute helps guard against denial of service attacks in which a caller indicates that they will be sending a message of a certain size which they never finish sending.	<i>Default:</i> 60 <i>Minimum:</i> 0 <i>Maximum:</i> 480 <i>Units:</i> seconds	Complete Message Timeout
IdleConnectionTimeout	Specify the maximum number of seconds an IIO P connection is allowed to be idle before it is closed by the server. This attribute helps guard against server deadlock through too many open connections.	<i>Default:</i> 60 <i>Minimum:</i> 0 <i>Units:</i> seconds	Idle Connection Timeout
MaxMessageSize	Specify the maximum IIO P message size allowable in a message header. This attribute attempts to prevent a denial of service attack whereby a caller attempts to force the server to allocate more memory than is available thereby keeping the server from responding quickly to other requests.	<i>Default:</i> 10000000 <i>Minimum:</i> 4096 <i>Maximum:</i> 2000000000 <i>Units:</i> bytes	Max Message Size
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

21 JDBCConnectionPool

Description

This bean defines a JDBC connection pool.

Syntax

```
<!ELEMENT JDBCConnectionPool EMPTY >

<!ATTLIST JDBCConnectionPool
  ACLName           CDATA           #IMPLIED
  CapacityIncrement CDATA           "1"
  ConnLeakProfilingEnabled (true | false) "false"
  DeploymentOrder   CDATA           "1000"
  DriverName        CDATA           #IMPLIED
  InitialCapacity   CDATA           "1"
  LoginDelaySeconds CDATA           "0"
  MaxCapacity        CDATA           "1"
  Name              CDATA           #REQUIRED
  Notes             CDATA           #IMPLIED
  Password          CDATA           #IMPLIED
  PreparedStatementCacheSize CDATA           "0"
  Properties        CDATA           #IMPLIED
  RefreshMinutes    CDATA           "0"
  ShrinkPeriodMinutes CDATA           "15"
  ShrinkingEnabled  (true | false) "true"
  SupportsLocalTransaction (true | false) "false"
  Targets           CDATA           #IMPLIED
  TestConnectionsOnRelease (true | false) "false"
  TestConnectionsOnReserve (true | false) "false"
  TestTableName     CDATA           #IMPLIED
  URL               CDATA           #IMPLIED
  XAPassword        CDATA           #IMPLIED
>
```

21 JDBCConnectionPool

Parent Elements

The JDBCConnectionPool element is a child of the [Domain](#) element.

Attributes

Table 21-1 JDBCConnectionPoolMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ACLName	The ACL used to control access to this Connection Pool.		ACLName
CapacityIncrement	Increment by which the connection pool capacity is expanded. When there are no more available physical connections to service requests, the connection pool will create this number of additional physical database connections and add them to the connection pool. The connection pool will ensure that it does not exceed the maximum number of physical connections as set by MaxCapacity.	<i>Default:</i> 1 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647	Capacity Increment
ConnLeakProfilingEnabled	<p>This property enables JDBC Connection leak profiling.</p> <p>A Connection leak occurs when a connection from the pool is not closed explicitly by calling close() on that connection.</p> <p>When connection leak profiling is active, the pool will store the stack trace at the time the Connection object is allocated from the pool and given to the client. When a connection leak is detected (when the Connection object is garbage collected), this stack trace is reported.</p> <p>This feature uses extra resources and will likely slowdown Connection Pool operations, so it is not recommended for production use.</p>	<i>Default:</i> false	Conn Leak Profiling Enabled

Table 21-1 JDBCConnectionPoolMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Deployment Order
DriverName	<p>The full package name of the JDBC 2-tier driver class used to create the physical connections between WebLogic Server and the DBMS for this connection pool. For example:</p> <pre>com.pointbase.jdbc.jdbcUniversalDriver</pre> <p>It must be the name of a class that implements the <code>java.sql.Driver</code> interface. Check the documentation for the JDBC driver to find the full pathname.</p>		Driver Classname
InitialCapacity	<p>The number of physical database connections to create when creating the connection pool.</p>	<p><i>Default:</i> 1</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Initial Capacity
LoginDelaySeconds	<p>The number of seconds to delay before creating each physical database connection. This delay takes place both during initial pool creation and during the lifetime of the pool whenever a physical database connection is created.</p>	<p><i>Default:</i> 0</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p> <p><i>Units:</i> seconds</p>	Login Delay Seconds

Table 21-1 JDBCConnectionPoolMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MaxCapacity	Maximum number of physical database connections that this connection pool can contain. Different JDBC Drivers and database servers may limit the number of possible physical connections.	<i>Default:</i> 1 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647	Maximum Capacity
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
Password	The database password as set with <code>setPassword()</code> or as a key=value pair in <code>setProperty()</code> .		Password
PreparedStatementCacheSize	The number of prepared statements stored in the cache for further use. WebLogic Server can reuse prepared statements in the cache without reloading them, which can increase server performance. Setting the size of the prepared statement cache to 0 (the default) turns it off.	<i>Default:</i> 0	Prepared Statement Cache Size
Properties	The list of properties passed to the the 2-tier JDBC Driver to use when creating physical database connections.		Properties (key=value)
RefreshMinutes	The number of minutes between database connection tests. After every <code>RefreshMinutes</code> interval, unused database connections are tested using <code>TestTableName</code> . Connections that do not pass the test will be closed and reopened to re-establish a valid physical database connection. If <code>TestTableName</code> is not set, the test will not be performed.	<i>Default:</i> 0 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647 <i>Units:</i> minutes	Refresh Period

Table 21-1 JDBCConnectionPoolMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ShrinkPeriodMinutes	Number of minutes to wait before shrinking a connection pool that has incrementally increased to meet demand. <code>ShrinkingEnabled</code> must be set to true for a connection pool to shrink.	<i>Default:</i> 15 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647 <i>Units:</i> minutes	Shrink Period
ShrinkingEnabled	Indicates whether or not the pool can shrink back to its <code>InitialCapacity</code> when it is detected that connections created during increased traffic are not being used.	<i>Default:</i> true	Allow Shrinking
SupportsLocalTransaction	Set to true if the XA driver used to create physical database connections supports SQL without global transactions. Set to false (the default) if the XA driver does not support SQL without global transactions. This property applies to connection pools that use an XA driver only, and is ignored for connection pools that use non-XA drivers.	<i>Default:</i> false	Supports Local Transaction
Targets	The targets in the current domain on which this item can be deployed.		Targets
TestConnectionsOnRelease	When set to true, WebLogic Server tests a connection before returning it to the connection pool. If all connections in the pool are already in use and a client is waiting for a connection, the client's wait will be slightly longer while the connection is tested.	<i>Default:</i> false	Test Released Connections

Table 21-1 JDBCConnectionPoolMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
TestConnectionsOnReserve	When set to true, WebLogic Server tests a connection before giving it to the client. The test adds a small delay in serving the client's request for a connection from the pool, but ensures that the client receives a working connection (assuming that the DBMS is available and accessible).	<i>Default: false</i>	Test Reserved Connections
TestTableName	<p>The name of the table used when testing a physical database connection. The default SQL code used to test a connection is</p> <pre>"select count(*) from TestTableName"</pre> <p>The TestTableName must exist and be accessible to the database user for the connection. Most database servers optimize this SQL to avoid a table scan, but it is still a good idea to set TestTableName to the name of a table that is known to have few rows, or even no rows.</p> <p>If TestTableName begins with "SQL", then the rest of the string following that leading token will be taken as a literal sql statement that will be used to test a connection.</p>		Test Table Name
URL	The database URL used to create the connections in this Connection Pool.		URL
XAPassword	XAPassword attribute If set, this value overrides the password in the open string. This password is used to create physical XA database connections. The value is stored in an encrypted form in the config.xml and can be used to avoid storing cleartext passwords in that file.		Open String Password

22 JDBCDataSource

Syntax

```
<!ELEMENT JDBCDataSource EMPTY >

<!ATTLIST JDBCDataSource
  ConnectionWaitPeriod      CDATA          "1"
  DeploymentOrder          CDATA          "1000"
  JNDIName                  CDATA          #REQUIRED
  Name                      CDATA          #REQUIRED
  Notes                     CDATA          #IMPLIED
  PoolName                  CDATA          #IMPLIED
  RowPrefetchEnabled        (true | false) "false"
  RowPrefetchSize          CDATA          "48"
  StreamChunkSize          CDATA          "256"
  Targets                   CDATA          #IMPLIED
  WaitForConnectionEnabled (true | false) "false"
>
```

Parent Elements

The JDBCDataSource element is a child of the [Domain](#) element.

Attributes

Table 22-1 JDBCDataSourceMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ConnectionWaitPeriod	<p>The time in seconds which the system will wait for a free connection pool entry to become available if a request is received when there are no free entries in the pool. This value will be used only if setWaitForConnectionEnabled(true) has previously been called. A WLS server thread is occupied while waiting for a free connection, and this can result in a decrease in system throughput.</p> <p>Therefore, the recommended way to deal with the exhaustion of a connection pool is to increase the size of the pool, and this method is not recommended for use in a production environment!</p>	<p><i>Default:</i> 1 <i>Minimum:</i> 1 <i>Maximum:</i> 60 <i>Units:</i> seconds</p>	Connection Wait Period
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647</p>	Deployment Order
JNDIName	<p>The JNDI path to where this DataSource is bound.</p> <p>Applications that look up the JNDI path will get a <code>javax.sql.DataSource</code> instance that corresponds to this DataSource.</p>		JNDI Name

Table 22-1 JDBCDataSourceMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
PoolName	The name of the connection pool with which the DataSource is associated. Calls from applications to <code>getConnection()</code> on this DataSource will return a connection from the associated connection pool.		Pool Name
RowPrefetchEnabled	Controls row prefetching between a client and WebLogic Server for each ResultSet. When an external client accesses a database using JDBC through Weblogic Server, row prefetching improves performance by fetching multiple rows from the server to the client in one server access. WebLogic Server will ignore this setting and not use row prefetching when the client and WebLogic Server are in the same JVM.	<i>Default: false</i>	Row Prefetch Enabled
RowPrefetchSize	The number of result set rows to prefetch for a client. The optimal value depends on the particulars of the query. In general, increasing this number will increase performance, until a particular value is reached. At that point further increases do not result in any significant performance increase. Very rarely will increased performance result from exceeding 100 rows. The default value should be reasonable for most situations.	<i>Default: 48</i> <i>Minimum: 2</i> <i>Maximum: 65536</i>	Row Prefetch Size

Table 22-1 JDBCDataSourceMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
StreamChunkSize	Data chunk size for steaming datatypes. Streaming datatypes (for example resulting from a call to <code>getBinaryStream()</code>) will be pulled in <code>StreamChunkSize</code> sized chunks from WebLogic Server to the client as needed.	<i>Default:</i> 256 <i>Minimum:</i> 1 <i>Maximum:</i> 65536 <i>Units:</i> bytes	Stream Chunk Size
Targets	The targets in the current domain on which this item can be deployed.		Targets
WaitForConnectionEnabled	Returns true if the system will wait for a free connection pool entry to become available when a request is made with all pool entries in use. In order to avoid tying up server threads and possibly hurting performance, it is recommended that this feature not be used.	<i>Default:</i> false	Wait For Connection Enabled

23 JDBCDataSourceFactory

y

Syntax

```
<!ELEMENT JDBCDataSourceFactory EMPTY >
<!ATTLIST JDBCDataSourceFactory
  DriverClassName      CDATA          #IMPLIED
  FactoryName          CDATA          #IMPLIED
  Name                 CDATA          #REQUIRED
  Notes                CDATA          #IMPLIED
  Properties           CDATA          #IMPLIED
  URL                  CDATA          #IMPLIED
  UserName             CDATA          #IMPLIED
>
```

Parent Elements

The JDBCDataSourceFactory element is a child of the [Domain](#) element.

Attributes

Table 23-1 JDBCDataSourceFactoryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DriverClassName	The name of the driver. This may be overridden by driver-name in the descriptor.		Driver Class Name

23 JDBCDataSourceFactory

Table 23-1 JDBCDataSourceFactoryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
FactoryName	The name of this data source factory. This is referenced from the connection-factory element in weblogic-application.xml		Factory Name
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
Properties	default connection properties		Properties
URL	The connection URL. This may be overridden by url in the descriptor		URL
UserName	The database user name. This may be overridden by user-name in the descriptor.		User Name

24 JDBCMultiPool

Description

Relevant only in single-server configurations, JDBC Multipools provide backup pools and load balancing to enhance database connectivity. A MultiPool is a "pool of pools" that allows a configurable algorithm for choosing among its list of pools, the pool that will be selected to provide the connection. MultiPools do not apply to multiple-server configurations.

Syntax

```
<!ELEMENT JDBCMultiPool EMPTY >

<!ATTLIST JDBCMultiPool
  ACLName           CDATA           #IMPLIED
  AlgorithmType     (High-Availability |
                    Load-Balancing) "High-Availability"
  DeploymentOrder  CDATA           "1000"
  Name              CDATA           #REQUIRED
  Notes            CDATA           #IMPLIED
  PoolList         CDATA           #IMPLIED
  Targets          CDATA           #IMPLIED
>
```

Parent Elements

The JDBCMultiPool element is a child of the [Domain](#) element.

Attributes

Table 24-1 JDBCMultiPoolMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ACLName	The access control list (ACL) used to control access to this MultiPool.		ACLName
AlgorithmType	<p>The algorithm type for this Multipool. If set to "High availability", the connection pools are set up as an ordered list. That is, every time an application asks the Multipool for a connection, it tries to get a connection from the first pool in its list. If unable to get a valid connection, it tries the next pool in its list. The process is repeated until a valid connection is obtained, or until the end of the list is reached, in which case an exception will be thrown.</p> <p>Note that the Multipool will only move to the next pool in the list when there is a real problem with the pool, for example the database is down or the pool disabled. For the cases where all connections are busy, the Multipool behaves as a single pool and an exception is thrown.</p> <p>If the algorithm is set to "Load balancing," the Multipool will distribute the connection requests evenly to its member pools. This algorithm also performs the same failover behavior as the high availability algorithm.</p> <p>Default value for this attribute is "High availability".</p>	<p><i>Default:</i> High-Availabil ity</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none"> ■ High-Availabi lity ■ Load-Balancin g 	Algorithm Type

Table 24-1 JDBCMultiPoolMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Deployment Order
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
PoolList	The list of connection pools in the MultiPool.		Pool List
Targets	The targets in the current domain on which this item can be deployed.		Targets

25 JDBCPoolComponent

Syntax

```
<!ELEMENT JDBCPoolComponent EMPTY >

<!ATTLIST JDBCPoolComponent
  Application          CDATA          #IMPLIED
  DeploymentOrder     CDATA          " 1000 "
  Name                 CDATA          #REQUIRED
  Notes               CDATA          #IMPLIED
  Targets             CDATA          #IMPLIED
  URI                 CDATA          #REQUIRED
>
```

Parent Elements

The JDBCPoolComponent element is a child of the [Domain](#) element.

Attributes

Table 25-1 JDBCPoolComponentMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Application	The application this component is a part of. This is guaranteed to never be null.		Application

Table 25-1 JDBCPoolComponentMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Deployment Order
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
Targets	The targets in the current domain on which this item can be deployed.		Targets
URI	Return a URI pointing to the application component, usually on the Admin Server.		URI

26 JDBCTxDataSource

Syntax

```
<!ELEMENT JDBCTxDataSource EMPTY >

<!ATTLIST JDBCTxDataSource
  DeploymentOrder      CDATA          "1000"
  EnableTwoPhaseCommit (true | false)  "false"
  JNDIName             CDATA          #IMPLIED
  Name                 CDATA          #REQUIRED
  Notes                CDATA          #IMPLIED
  PoolName             CDATA          #IMPLIED
  RowPrefetchEnabled   (true | false)  "false"
  RowPrefetchSize      CDATA          "48"
  StreamChunkSize      CDATA          "256"
  Targets              CDATA          #IMPLIED
>
```

Parent Elements

The JDBCTxDataSource element is a child of the [Domain](#) element.

Attributes

Table 26-1 JDBCTxDataSourceMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Deployment Order
EnableTwoPhaseCommit	<p>When set to true, this attribute allows non-XA JDBC drivers to emulate participation in distributed transactions using JTA.</p> <p>Use this option if the JDBC connection is the only participant in the transaction and there is no XA compliant JDBC driver available. With more than one resource participating in a transaction where one of them (the JDBC driver) is emulating an XA resource, you may see heuristic failures.</p> <p>If this TxDataSource is associated with an XA connection pool, or if there is only one resource participating in the distributed transaction, then this setting is ignored.</p>	<p><i>Default:</i> false</p>	Emulate Two-Phase Commit for non-XA Driver

Table 26-1 JDBCDataSourceMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
JNDIName	The JNDI path to where this TxDataSource is bound. Applications that look up the JNDI path will get a <code>javax.sql.DataSource</code> instance that corresponds to this DataSource.		JNDI Name
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
PoolName	The name of the JDBC connection pool that is associated with this TxDataSource. Calls from applications to <code>getConnection()</code> on this TxDataSource will return a connection from the associated connection pool.		Pool Name
RowPrefetchEnabled	Controls row prefetching between a client and WebLogic Server for each ResultSet. When an external client accesses a database using JDBC through Weblogic Server, row prefetching improves performance by fetching multiple rows from the server to the client in one server access. WebLogic Server will ignore this setting and not use row prefetching when the client and WebLogic Server are in the same JVM.	<i>Default: false</i>	Row Prefetch Enabled

Table 26-1 JDBCTxDataSourceMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
RowPrefetchSize	The number of result set rows to prefetch for a client. The optimal value depends on the particulars of the query. In general, increasing this number will increase performance, until a particular value is reached. At that point further increases do not result in any significant performance increase. Very rarely will increased performance result from exceeding 100 rows. The default value should be reasonable for most situations.	<i>Default:</i> 48 <i>Minimum:</i> 2 <i>Maximum:</i> 65536	Row Prefetch Size
StreamChunkSize	Data chunk size for steaming datatypes. Streaming datatypes (for example resulting from a call to <code>getBinaryStream()</code>) will be pulled in <code>StreamChunkSize</code> sized chunks from the WebLogic Server to the client as needed.	<i>Default:</i> 256 <i>Minimum:</i> 1 <i>Maximum:</i> 65536 <i>Units:</i> bytes	Stream Chunk Size
Targets	The targets in the current domain on which this item can be deployed.		Targets

27 JMSBridgeDestination

Description

This class represents a messaging bridge destination for a JMS provider.

Each messaging bridge consists of two destinations that are being bridged: the source destination is the destination from which messages are received, while the target destination is the destination to which messages are sent.

Syntax

```
<!ELEMENT JMSBridgeDestination EMPTY >
<!ATTLIST JMSBridgeDestination
  AdapterJNDIName          CDATA
                           "eis.jms.WLSConnectionFactoryJNDIXA"
  Classpath                CDATA          #IMPLIED
  ConnectionFactoryJNDIName CDATA          #IMPLIED
  ConnectionURL            CDATA          #IMPLIED
  DestinationJNDIName      CDATA          #IMPLIED
  DestinationType          (Queue | Topic) "Queue"
  InitialContextFactory    CDATA
                           "weblogic.jndi.WLInitialContextFactory"
  Name                    CDATA          #REQUIRED
  Notes                   CDATA          #IMPLIED
  UserName                 CDATA          #IMPLIED
  UserPassword            CDATA          #IMPLIED
>
```

Parent Elements

The `JMSBridgeDestination` element is a child of the [Domain](#) element.

Attributes

Table 27-1 JMSBridgeDestinationMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AdapterJNDIName	Defines the JNDI name of the adapter used to communicate with the specified destination. This name is specified in the adapter's deployment descriptor file and is used by the WebLogic Server Connector container to bind the adapter in WebLogic Server JNDI.	<i>Default:</i> "eis.jms.WLSCo nnectionFactor yJNDIXA"	Adapter JNDIName
Classpath	Defines the CLASSPATH of the bridge destination, which is mainly used to connect to a different release of WebLogic JMS. When connecting to a destination that is running on WebLogic Server 6.0 or earlier, the bridge destination must supply a CLASSPATH that indicates the locations of the classes for the earlier WebLogic Server implementation. <i>Note:</i> When connecting to a 3rd party JMS provider, the bridge destination must supply the provider's CLASSPATH either with this attribute or in the WebLogic Server CLASSPATH.		Classpath
ConnectionFactoryJNDIName	Defines the connection factory's JNDI name for a JMS bridge destination. This attribute is only applicable to JMS destinations.	<i>Default:</i> null	Connection Factory JNDI Name
ConnectionURL	Defines the connection URL for a JMS bridge destination. This attribute is only applicable to JMS destinations.		Connection URL
DestinationJNDIName	Defines the destination JNDI name (Queue or Topic) for a JMS bridge destination. This attribute is only applicable to JMS destinations.	<i>Default:</i> null	Destination JNDI Name

Table 27-1 JMSBridgeDestinationMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DestinationType	Defines the destination type (Queue or Topic) for a JMS bridge destination. This attribute is only applicable to JMS destinations.	<i>Default:</i> Queue <i>Valid values:</i> <ul style="list-style-type: none">■ Queue■ Topic	Destination Type
InitialContextFactory	Defines the initial context factory name for a JMS bridge destination. This attribute is only applicable to JMS destinations.	<i>Default:</i> "weblogic.jndi.WLInitialContextFactory"	Initial Context Factory
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
UserName	Defines an optional user name that the adapter will use to access the bridge destination. <i>Note:</i> All operations done to the specified destination are done using this user name and the corresponding password. Therefore, the User Name/Password for the source and target destinations must have permission to access the underlying JMS destinations in order for the messaging bridge to work.		User Name
UserPassword	Defines the user password that the adapter uses to access the bridge destination.		User Password

28 JMSConnectionConsumer

Description

The MBean defines a connection consumer.

Syntax

```
<!ELEMENT JMSConnectionConsumer EMPTY >
<!ATTLIST JMSConnectionConsumer
  Destination          CDATA          #REQUIRED
  MessagesMaximum     CDATA          "-1"
  Name                 CDATA          #REQUIRED
  Notes               CDATA          #IMPLIED
  Selector            CDATA          #IMPLIED
>
```

Parent Elements

The JMSConnectionConsumer element is a child of the [JMSSessionPool](#) element.

Attributes

Table 28-1 JMSConnectionConsumerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Destination	The JNDI name of the destination for this connection consumer.		Destination

Table 28-1 JMSConnectionConsumerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MessagesMaximum	The defined maximum number of messages that the connection consumer can load at one time into a ServerSession's session.	<i>Default:</i> -1 <i>Minimum:</i> -1	Messages Maximum
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
Selector	The defined JMS message selector of the connection consumer.	<i>Default:</i> null	Selector

29 JMSConnectionFactory

Description

This class represents a JMS connection factory. Connection factories are objects that enable JMS clients to create JMS connections.

Syntax

```
<!ELEMENT JMSConnectionFactory EMPTY >

<!ATTLIST JMSConnectionFactory
  AcknowledgePolicy      (All | Previous)          "All"
  AllowCloseInOnMessage (true | false)           "false"
  ClientId               CDATA                    #IMPLIED
  DefaultDeliveryMode    (PERSISTENT |
                          NON_PERSISTENT)         "PERSISTENT"
  DefaultPriority         CDATA                    "PRIORITY_DEFAULT"
  DefaultRedeliveryDelay CDATA                    "0"
  DefaultTimeToDeliver   CDATA                    "0"
  DefaultTimeToLive      CDATA                    "0"
  DeploymentOrder        CDATA                    "1000"
  FlowControlEnabled     (true | false)           "true"
  FlowInterval           CDATA                    "60"
  FlowMaximum            CDATA                    "500"
  FlowMinimum            CDATA                    "50"
  FlowSteps              CDATA                    "10"
  JNDIName               CDATA                    #IMPLIED
  LoadBalancingEnabled   (true | false)           "true"
  MessagesMaximum        CDATA                    "10"
  Name                   CDATA                    #REQUIRED
  Notes                  CDATA                    #IMPLIED
  OverrunPolicy          (KeepOld | KeepNew)       "KeepOld"
  ServerAffinityEnabled  (true | false)           "true"
  Targets                CDATA                    #IMPLIED
  TransactionTimeout     CDATA                    "3600"
  UserTransactionsEnabled (true | false)           "false"
  XAConnectionFactoryEnabled
```

29 *JMSConnectionFactory*

```
XAServerEnabled          (true | false)          "false"  
> XAServerEnabled          (true | false)          "false"
```

Parent Elements

The `JMSConnectionFactory` element is a child of the [Domain](#) element.

Attributes

Table 29-1 JMSConnectionFactoryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AcknowledgePolicy	<p>The value of the <i>AcknowledgePolicy</i> attribute for the connection factory.</p> <p><i>Note:</i> This attribute only applies to implementations that use the <code>CLIENT_ACKNOWLEDGE</code> acknowledge mode for a non-transacted session.</p> <p>This attribute works around a change in the JMS specification. Specifically, the specification allowed users to acknowledge all messages before and including the message going acknowledged. The specification was changed so that acknowledging any message acknowledges all messages ever received (even those received after the message being acknowledge), as follows:</p> <ul style="list-style-type: none">■ An acknowledge policy of <code>ACKNOWLEDGE_PREVIOUS</code> retains the old behavior (acknowledge all message up to and including the message being acknowledged).■ An acknowledge policy of <code>ACKNOWLEDGE_ALL</code> yields the new behavior, where all messages received by the given session are acknowledged regardless of which message is being used to effect the acknowledge.	<p><i>Default:</i> All</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none">■ All■ Previous	Acknowledge Policy

Table 29-1 JMSConnectionFactoryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AllowCloseInOnMessage	<p>The value of the <i>AllowCloseInOnMessage</i> attribute for the connection factory.</p> <p>Indicates whether or not a connection factory creates message consumers that allow a <code>close()</code> method to be issued within its <code>onMessage()</code> method call.</p> <ul style="list-style-type: none"> ■ If selected (true), a <code>close()</code> method call from within an <code>onMessage()</code> method call will succeed instead of blocking forever. If the acknowledge mode of the session is set to <code>AUTO_ACKNOWLEDGE</code>, the current message will still be acknowledged automatically when the <code>onMessage()</code> call completes. ■ If not selected (false), it will cause the <code>stop()</code> and <code>close()</code> methods to hang if called from <code>onMessage()</code>. <p>This attribute is dynamic and can be changed at any time. However, changing the value does not affect existing connections. It only affects new connections made with this connection factory.</p>	<i>Default:</i> false	Allow Close In On Message
ClientId	The client ID for a durable subscriber that uses this connection factory.		Client Id
DefaultDeliveryMode	<p>The value of the <i>DefaultDeliveryMode</i> attribute for the connection factory.</p> <p>The default delivery mode used for messages for which a delivery mode is not explicitly defined. All messages with a <i>DefaultDeliveryMode</i> of null that are produced on a connection created with this factory will receive this value.</p>	<p><i>Default:</i> PERSISTENT</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none"> ■ PERSISTENT ■ NON_PERSISTENT 	Default Delivery Mode

Table 29-1 JMSConnectionFactoryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DefaultPriority	<p>The <i>defaultPriority</i> attribute for the connection factory.</p> <p>The default priority used for messages for which a priority is not explicitly defined. All messages with a <i>DefaultPriority</i> of -1 that are produced on a connection created with this factory will receive this value.</p>	<p><i>Default:</i> PRIORITY_DEFAULT LT</p> <p><i>Minimum:</i> PRIORITY_MINIMUM</p> <p><i>Maximum:</i> PRIORITY_MAXIMUM</p>	Default Priority
DefaultRedeliveryDelay	<p>The value of the <i>defaultRedeliveryDelay</i> attribute for the connection factory.</p> <p>A redelivery delay defines the delay, in milliseconds, before rolled back or recovered messages are redelivered. All messages consumed by a consumer created with this factory that have a <i>DefaultRedeliveryDelay</i> of -1 will use this value.</p>	<p><i>Default:</i> 0</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Default Redelivery Delay
DefaultTimeToDeliver	<p>The value of the <i>DefaultTimeToDeliver</i> attribute for the connection factory.</p> <p>A time-to-deliver defines the delay, in milliseconds, between when a message is produced and when it is made visible on its destination. All messages produced by a producer created with this factory that have a <i>DefaultTimeToDeliver</i> of -1 will use this value.</p>	<p><i>Default:</i> 0</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Default Time To Deliver

Table 29-1 JMSConnectionFactoryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DefaultTimeToLive	<p>The value of the <i>DefaultTimeToLive</i> attribute for the connection factory.</p> <p>The default maximum length of time, in milliseconds, that a message will exist. Used for messages for which a priority was not explicitly defined. A value of 0 indicates that the message has an infinite amount time to live. All messages with a <i>DefaultTimeToLive</i> of -1 that are produced on a connection created with this factory will receive this value expressed in milliseconds.</p>	<p><i>Default:</i> 0</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 9223372036854775807</p>	Default Time To Live
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Deployment Order
FlowControlEnabled	<p>The value of the <i>FlowControlEnabled</i> attribute for the connection factory.</p> <p>Indicates whether or not a producer created using a connection factory allows flow control. If true, the associated message producers will be slowed down if the JMS server reaches Bytes/Messages ThresholdHigh.</p>	<p><i>Default:</i> true</p>	Flow Control Enabled

Table 29-1 JMSConnectionFactoryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
FlowInterval	<p>The value of the <i>FlowInterval</i> attribute for the connection factory.</p> <p>An adjustment period of time, defined in seconds, when a producer adjusts its flow from the Flow Maximum number of messages to the Flow Minimum amount, or vice versa.</p> <p>When a producer is flow controlled it is slowed down from its <i>FlowMaximum</i> to its <i>FlowMinimum</i> over <i>FlowInterval</i>seconds.</p>	<p><i>Default:</i> 60</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p> <p><i>Units:</i> seconds</p>	Flow Interval (seconds)

Table 29-1 JMSConnectionFactoryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
FlowMaximum	<p>The value of the <i>FlowMaximum</i> attribute for the connection factory.</p> <p>The maximum number of messages per second for a producer that is experiencing a threshold condition. When a producer is flow controlled it will never be allowed to go faster than <i>FlowMaximum</i> messages per second.</p> <p>If a producer is not currently limiting its flow when a threshold condition is reached, the initial flow limit for that producer is set to Flow Maximum. If a producer is already limiting its flow when a threshold condition is reached (the flow limit is less than Flow Maximum), then the producer will continue at its current flow limit until the next time the flow is evaluated.</p> <p><i>Note:</i> Once a threshold condition has subsided, the producer is not permitted to ignore its flow limit. If its flow limit is less than the Flow Maximum, then the producer must gradually increase its flow to the Flow Maximum each time the flow is evaluated. When the producer finally reaches the Flow Maximum, it can then ignore its flow limit and send without limiting its flow.</p>	<p><i>Default:</i> 500</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p> <p><i>Units:</i> messages/second</p>	Flow Maximum

Table 29-1 JMSConnectionFactoryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
FlowMinimum	<p>The value of the <i>FlowMinimum</i> attribute for the connection factory.</p> <p>The minimum number of messages per second for a producer that is experiencing a threshold condition. This is the lower boundary of a producer's flow limit. That is, WebLogic JMS will not further slow down a producer whose message flow limit is at its Flow Minimum.</p> <p>When a producer is flow controlled it will never be required to go slower than <i>FlowMinimum</i> messages per second.</p>	<p><i>Default:</i> 50</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p> <p><i>Units:</i> messages/second</p>	Flow Minimum

Table 29-1 JMSConnectionFactoryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
FlowSteps	<p>The value of the <i>FlowSteps</i> attribute for the connection factory.</p> <p>The number of steps used when a producer is adjusting its flow from the Flow Maximum amount of messages to the Flow Minimum amount, or vice versa. Specifically, the Flow Interval adjustment period is divided into the number of Flow Steps (for example, 60 seconds divided by 6 steps is 10 seconds per step).</p> <p>Also, the movement (i.e., the rate of adjustment) is calculated by dividing the difference between the Flow Maximum and the Flow Minimum into steps. At each Flow Step, the flow is adjusted upward or downward, as necessary, based on the current conditions, as follows:</p> <ul style="list-style-type: none"> ■ The movement downward (the decay) is geometric (taking the <i>n</i>th root of the difference, where <i>n</i> is the number of steps). ■ The movement upward is linear. The difference is simply divided by the number of steps. 	<p><i>Default:</i> 10</p> <p><i>Minimum:</i> 1</p> <p><i>Maximum:</i> 2147483647</p>	Flow Steps
JNDIName	<p>The JNDI name of the JMS connection factory.</p> <p>This is the name that is assigned to and used to look up the connection factory within the JNDI namespace. The connection factory name is configured separately.</p>		JNDIName

Table 29-1 JMSCConnectionFactoryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
LoadBalancingEnabled	<p>The value of the <i>LoadBalancingEnabled</i> attribute for the connection factory.</p> <p>Indicates whether or not a producer created using a connection factory allows load balancing:</p> <ul style="list-style-type: none">■ If true, the associated message producers will be load balanced on every <code>send()</code> or <code>publish()</code>.■ If false, the associated message producers will be load balanced on the first <code>send()</code> or <code>publish()</code>.	<i>Default: true</i>	Load Balancing Enabled

Table 29-1 JMSConnectionFactoryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MessagesMaximum	<p>The value of the <i>MessagesMaximum</i> attribute for the connection factory.</p> <p>The maximum number of messages that may exist for an asynchronous session and that have not yet been passed to the message listener. A value of -1 indicates that there is no limit on the number of messages. In this case, however, the limit is set to the amount of remaining virtual memory. When the number of messages reaches the MessagesMaximum value:</p> <ul style="list-style-type: none"> ■ For multicast sessions, new messages are discarded according to the policy specified by the <i>OverrunPolicy</i> attribute and a <i>DataOverrunException</i> is thrown. ■ For non-multicast sessions, new messages are flow-controlled, or retained on the server until the application can accommodate the messages. <p>For multicast sessions, when a connection is stopped, messages will continue to be delivered, but only until the MessagesMaximum value is reached. Once this value is reached, messages will be discarded based on the <i>Overrun</i> policy.</p>	<p><i>Default:</i> 10</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 2147483647</p>	Messages Maximum
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

Table 29-1 JMSConnectionFactoryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
OverrunPolicy	<p>The value of the <i>OverrunPolicy</i> attribute for the connection factory.</p> <p>Th Overrun Policy applies to multicast messages. When the number of outstanding messages reaches the <i>MessagesMaximum</i> attribute value, messages are discarded based on the specified policy.</p> <ul style="list-style-type: none">■ If set to <i>KeepNew</i>, the most recent messages are given priority over the oldest messages, and the oldest messages are discarded, as needed.■ If set to <i>KeepOld</i>, the oldest messages are given priority over the most recent messages, and the most recent messages are discarded, as needed. <p>Message age is defined by the order of receipt, not by the <i>JMSTimestamp</i> value.</p>	<p><i>Default: KeepOld</i></p> <p><i>Valid values:</i></p> <ul style="list-style-type: none">■ <i>KeepOld</i>■ <i>KeepNew</i>	Overrun Policy
ServerAffinityEnabled	<p>The value of the <i>ServerAffinityEnabled</i> attribute for the connection factory when load balancing consumers or producers across multiple physical destinations in a distributed destination.</p> <p>Indicates whether or not JMS front-ends that are connected to and running in the same JVM as a WebLogic Server will first attempt to load balance consumers or producers across those physical destinations served by any JMS servers that are also running in the same JVM.</p>	<p><i>Default: true</i></p>	Server Affinity Enabled
Targets	<p>The targets in the current domain on which this item can be deployed.</p>		Targets

Table 29-1 JMSConnectionFactoryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
TransactionTimeout	<p>The value of the <i>TransactionTimeout</i> attribute for the connection factory.</p> <p>All transactions on connections created with this connection factory will have this timeout value expressed in seconds.</p> <p>If a transacted session is still active after the timeout has elapsed, the transaction is rolled back. A value of 0 indicates that the default value will be used. If you have long-running transactions, you might want to adjust the value of this attribute to allow transactions to complete.</p>	<p><i>Default:</i> 3600</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Transaction Timeout
UserTransactionsEnabled	<p>The value of the <i>UserTransactionsEnabled</i> attribute.</p> <p>Indicates whether or not a connection factory creates sessions that are JTA aware. If true, the associated message producers and message consumers look into the running thread for a transaction context. Otherwise, the current JTA transaction will be ignored.</p> <p>However, if the <i>XAConnectionFactoryEnabled</i> flag is set (true), the <i>UserTransactionsEnabled</i> attribute is ignored (since it is always considered true).</p> <p><i>Note:</i> Transacted sessions ignore the current threads transaction context in favor of their own internal transaction, regardless of the setting. This setting only affects non-transacted sessions.</p>	<i>Default:</i> false	User Transactions Enabled

Table 29-1 JMSCConnectionFactoryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
XAConnectionFactoryEnabled	<p>The value of the <i>XAConnectionFactoryEnabled</i> attribute for the connection factory.</p> <p>Indicates whether or not a XA queue or XA topic connection factory is returned, instead of a queue or topic connection factory. It can be used to return a XA queue session or XA topic session, which has the <i>getXAResource</i> method.</p>	<i>Default: false</i>	XAConnection Factory Enabled
XAServerEnabled	<p>The value of the <i>XAServerEnabled</i> attribute for the connection factory.</p> <p>If true, an XA connection factory will be returned instead of a standard connection factory.</p>	<i>Default: false</i>	Server Side XA Enabled

30 JMSDestinationKey

Syntax

```
<!ELEMENT JMSDestinationKey EMPTY >

<!ATTLIST JMSDestinationKey
  Direction          (Ascending |
                     KEY_DIRECTION_DESCENDING) "Ascending"
  KeyType            (Boolean | Byte |
                     Short | Int |
                     KEY_TYPE_LONG | Float |
                     Double | String)          "String"
  Name               CDATA                      #REQUIRED
  Notes              CDATA                      #IMPLIED
  Property           CDATA                      #REQUIRED
>
```

Parent Elements

The JMSDestinationKey element can be a child of these elements:

- [JMSQueue](#)
- [JMSTemplate](#)
- [JMSTopic](#)

Attributes

Table 30-1 JMSDestinationKeyMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Direction	<p>The direction (Ascending or Descending) in which to sort for this key.</p> <p>Choosing Ascending for JMSMessageID implies a FIFO (first in, first out) sort order (the default for destinations). Set the value to Descending for a LIFO (last in, first out) sort order.</p> <p>This attribute is not dynamically configurable.</p>	<p><i>Default:</i> Ascending</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none"> ■ Ascending ■ <code>weblogic.management.configuration.JMSConstants.KEY_DIRECTION_DESCENDING</code> 	Direction
KeyType	The expected property type for this key.	<p><i>Default:</i> String</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none"> ■ Boolean ■ Byte ■ Short ■ Int ■ <code>weblogic.management.configuration.JMSConstants.KEY_TYPE_LONG</code> ■ Float ■ Double ■ String 	Key Type
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

Table 30-1 JMSDestinationKeyMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Property	<p>The property name for this key.</p> <p>This value indicates a message property name or the name of a message header field on which to sort. Message header field keys ignore the key type and reference message header fields rather than message properties.</p> <p><i>Note:</i> To improve performance, we recommend using message header fields as sorting keys, rather than message properties.</p> <p><i>Range of Values:</i></p> <p>The JMS Property name (including user properties) or message header fields that can be sorted on are as follows:</p> <ul style="list-style-type: none">■ JMSMessageID■ JMSTimestamp■ JMSCorrelationID■ JMSPriority■ JMSExpiration■ JMSType■ JMSRedelivered■ JMSDeliveryTime <p>This attribute is not dynamically configurable.</p>		Property

31 JMSDistributedQueue

Description

This class represents a JMS distributed queue.

Syntax

```
<!ELEMENT JMSDistributedQueue ( JMSDistributedQueueMember* | JMSTemplate? )* >  
  
<!ATTLIST JMSDistributedQueue  
  DeploymentOrder      CDATA          "1000"  
  ForwardDelay         CDATA          "-1"  
  JNDIName             CDATA          #IMPLIED  
  LoadBalancingPolicy (Round-Robin | RANDOM) "Round-Robin"  
  Name                 CDATA          #REQUIRED  
  Notes               CDATA          #IMPLIED  
  Targets             CDATA          #IMPLIED  
>
```

Parent Elements

The JMSDistributedQueue element is a child of the [Domain](#) element.

Attributes

Table 31-1 JMSDistributedQueueMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Deployment Order
ForwardDelay	<p>The message forwarding delay for this distributed queue.</p> <p>Defines the amount of time, in seconds, that a distributed queue member with messages, but which has no consumers, will wait before forwarding its messages to other queue members that do have consumers.</p> <p>A value of -1 indicates that no messages are forwarded to other queue members.</p>	<p><i>Default:</i> -1</p>	Forward Delay (seconds)
JNDIName	<p>The JNDI name of the distributed destination.</p> <p>This value is the name used to look up the distributed destination within the JNDI namespace. Applications can use the JNDI Name to look up the distributed destination. If not specified, then the destination is not bound into the JNDI namespace.</p>		JNDI Name

Table 31-1 JMSDistributedQueueMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
LoadBalancingPolicy	The load balancing policy for producers sending to this distributed destination. Defines whether producers will use the Round-Robin or Random distribution policy to balance the message load across the members of a distributed destination.	<i>Default:</i> Round-Robin <i>Valid values:</i> <ul style="list-style-type: none">■ Round-Robin■ <code>weblogic.management.configuration.JMSConstants.RANDOM</code>	Load Balancing Policy
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
Targets	The targets in the current domain on which this item can be deployed.		Targets

32 JMSDistributedQueueMember

Description

This MBean represents a JMS distributed queue member. This should be a queue.

Syntax

```
<!ELEMENT JMSDistributedQueueMember EMPTY >
<!ATTLIST JMSDistributedQueueMember
  JMSQueue          CDATA          #REQUIRED
  Name              CDATA          #REQUIRED
  Notes             CDATA          #IMPLIED
  Weight            CDATA          "1"
>
```

Parent Elements

The JMSDistributedQueueMember element is a child of the [JMSDistributedQueue](#) element.

Attributes

Table 32-1 JMSDistributedQueueMemberMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
JMSQueue	The JMS Queue associated with this distributed queue member. Defines the underlying physical queue that is associated with this distributed queue member.		JMSQueue
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
Weight	The weight for this distributed queue member. Defines the weight of the member destination (a measure of its ability to handle message load), with respect to other member destinations in the same distributed destination.	<i>Default: 1</i>	Weight

33 JMSDistributedTopic

Description

This MBean represents a JMS distributed topic.

Syntax

```
<!ELEMENT JMSDistributedTopic ( JMSDistributedTopicMember* | JMSTemplate? )* >

<!ATTLIST JMSDistributedTopic
  DeploymentOrder      CDATA          "1000"
  JNDIName              CDATA          #IMPLIED
  LoadBalancingPolicy  (Round-Robin | RANDOM)  "Round-Robin"
  Name                  CDATA          #REQUIRED
  Notes                 CDATA          #IMPLIED
  Targets               CDATA          #IMPLIED
>
```

Parent Elements

The JMSDistributedTopic element is a child of the [Domain](#) element.

Attributes

Table 33-1 JMSDistributedTopicMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647</p>	Deployment Order
JNDIName	<p>The JNDI name of the distributed destination.</p> <p>This value is the name used to look up the distributed destination within the JNDI namespace. Applications can use the JNDI Name to look up the distributed destination. If not specified, then the destination is not bound into the JNDI namespace.</p>		JNDI Name
LoadBalancingPolicy	<p>The load balancing policy for producers sending to this distributed destination.</p> <p>Defines whether producers will use the Round-Robin or Random distribution policy to balance the message load across the members of a distributed destination.</p>	<p><i>Default:</i> Round-Robin <i>Valid values:</i></p> <ul style="list-style-type: none"> ■ Round-Robin ■ <code>weblogic.management.configuration.JMSConstants.RANDOM</code> 	Load Balancing Policy

Table 33-1 JMSDistributedTopicMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
Targets	The targets in the current domain on which this item can be deployed.		Targets

34 JMSDistributedTopicMember

Description

This MBean represents a JMS distributed topic member. This should be a topic.

Syntax

```
<!ELEMENT JMSDistributedTopicMember EMPTY >
<!ATTLIST JMSDistributedTopicMember
  JMSTopic          CDATA          #REQUIRED
  Name              CDATA          #REQUIRED
  Notes             CDATA          #IMPLIED
  Weight            CDATA          "1"
>
```

Parent Elements

The JMSDistributedTopicMember element is a child of the [JMSDistributedTopic](#) element.

34 *JMSDistributedTopicMember*

Attributes

Table 34-1 JMSDistributedTopicMemberMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
JMSTopic	The JMS Topic associated with this distributed topic member. Defines the underlying physical topic that is associated with this distributed topic member.		JMSTopic
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
Weight	The weight for this distributed queue member. Defines the weight of the member destination (a measure of its ability to handle message load), with respect to other member destinations in the same distributed destination.	<i>Default: 1</i>	Weight

35 JMSFileStore

Description

This MBean represents a JMS file-based persistent store.

Syntax

```
<!ELEMENT JMSFileStore EMPTY >

<!ATTLIST JMSFileStore
  Directory          CDATA          #REQUIRED
  Name               CDATA          #REQUIRED
  Notes              CDATA          #IMPLIED
>
```

Parent Elements

The JMSFileStore element is a child of the [Domain](#) element.

Attributes

Table 35-1 JMSFileStoreMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Directory	The directory where the file-based persistent store exists. This attribute is not dynamically configurable.		Directory
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name

Table 35-1 JMSFileStoreMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Notes	Optional information that you can include to describe this configuration.		Notes

36 JMSJDBCStore

Description

This MBean represents a JMS JDBC-based persistent store.

Syntax

```
<!ELEMENT JMSJDBCStore EMPTY >

<!ATTLIST JMSJDBCStore
  ConnectionPool      CDATA          #IMPLIED
  Name                CDATA          #REQUIRED
  Notes               CDATA          #IMPLIED
  PrefixName          CDATA          #IMPLIED
>
```

Parent Elements

The JMSJDBCStore element is a child of the [Domain](#) element.

Attributes

Table 36-1 JMSJDBCStoreMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ConnectionPool	The JDBC Connection Pool for this persistent store. This attribute is not dynamically configurable.		Connection Pool

Table 36-1 JMSJDBCStoreMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
PrefixName	<p>The prefix name of the JMS tables in this JDBC persistent store.</p> <p>This prefix is prepended to table names when:</p> <ul style="list-style-type: none"> ■ The database management system requires fully qualified names. ■ You must differentiate between JMS tables for two WebLogic Servers, thereby enabling multiple tables to be stored on a single DBMS. <p>The prefix should be specified using the following format and will result in a valid table name when prepended to the JMS table name:</p> <pre>[schema.[catalog.]]prefix</pre>	<i>Default:</i> null	Prefix Name

37 JMSQueue

Syntax

```
<!ELEMENT JMSQueue ( JMSDestinationKey* )* >

<!ATTLIST JMSQueue
  BytesMaximum          CDATA          "-1"
  BytesPagingEnabled    (default | false | true)    "default"
  BytesThresholdHigh    CDATA          "-1"
  BytesThresholdLow     CDATA          "-1"
  DeliveryModeOverride (Persistent | Non-Persistent | No-Delivery)    "No-Delivery"
  DestinationKeys       CDATA          #IMPLIED
  ErrorDestination       CDATA          #IMPLIED
  JNDIName               CDATA          #IMPLIED
  JNDINameReplicated     (true | false)    "true"
  MessagesMaximum        CDATA          "-1"
  MessagesPagingEnabled (default | false | true)    "default"
  MessagesThresholdHigh CDATA          "-1"
  MessagesThresholdLow  CDATA          "-1"
  Name                   CDATA          #REQUIRED
  Notes                  CDATA          #IMPLIED
  PriorityOverride        CDATA          "-1"
  RedeliveryDelayOverride CDATA          "-1"
  RedeliveryLimit        CDATA          "-1"
  StoreEnabled           (default | false | true)    "default"
  Template               CDATA          #IMPLIED
  TimeToDeliverOverride  CDATA          "-1"
  TimeToLiveOverride     CDATA          "-1"
>
```

Parent Elements

The JMSQueue element can be a child of these elements:

- [JMSServer](#)
- [JMSTemplate](#)

Attributes

Table 37-1 JMSQueueMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
BytesMaximum	<p>The value of BytesMaximum.</p> <p>The maximum number of bytes that may be stored in the destination. A value of -1 specifies that there is no limit on the number of bytes that can be stored in the destination.</p> <p><i>Range of Values:</i> >= BytesThresholdHigh</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Bytes Maximum

Table 37-1 JMSQueueMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
BytesPagingEnabled	<p>Return one of "true", "false", or "default".</p> <p>Flag for specifying whether or not bytes paging is enabled on the destination:</p> <ul style="list-style-type: none">■ If this flag is not selected (false), then bytes paging is explicitly disabled for this destination.■ If this flag is not selected (true), a paging store has been configured for the JMS Server, and both the BytesThresholdLow and BytesThresholdHigh attribute values are greater than -1, then bytes paging is enabled for this destination.■ If this attribute is set to "default", then this value inherits the JMS template's value--if a JMS template is specified. If no template is configured for the destination, then the Default value is equivalent to False.	<p><i>Default:</i> default</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none">■ default■ false■ true	Bytes Paging Enabled

Table 37-1 JMSQueueMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
BytesThresholdHigh	<p>The value of BytesThresholdHigh. Upper threshold value that triggers events based on the number of bytes stored in the destination. If the number of bytes exceeds this threshold, the triggered events are:</p> <p><i>Log Messages</i> - message is logged on the server indicating a high threshold condition.</p> <p><i>Bytes Paging</i> - bytes paging is enabled (and a paging store has been configured), then destination-level bytes paging is started.</p> <p><i>Flow Control</i> - flow control is enabled, the destination becomes armed and instructs producers to begin decreasing their message flow.</p> <p>A value of -1 specifies that bytes paging, flow control, and threshold log messages are disabled for the destination.</p> <p><i>Range of Values:</i> <= BytesMaximum; >BytesThresholdLow</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p> <p><i>Note:</i> Bytes paging cannot be dynamically disabled by resetting the BytesThresholdHigh to -1. To disable paging, you could set the BytesThresholdHigh to a very large number, so that paging would not be triggered.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Bytes Threshold High

Table 37-1 JMSQueueMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
BytesThresholdLow	<p>The value of BytesThresholdLow.</p> <p>Lower threshold value that triggers events based on the number of bytes stored in the destination. If the number of bytes falls below this threshold, the triggered events are:</p> <p><i>Log Messages</i> - message is logged on the server indicating that the threshold condition has cleared.</p> <p><i>Bytes Paging</i> - bytes paging is enabled, paging is stopped (if paging is occurring).</p> <p><i>Flow Control</i> - flow control is enabled, the destination becomes disarmed and instructs producers to begin increasing their message flow.</p> <p>A value of -1 specifies that bytes paging, flow control, and threshold log messages are disabled for the destination.</p> <p><i>Range of Values:</i> < BytesThresholdHigh</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Bytes Threshold Low
DeliveryModeOverride	<p>The DeliveryModeOverride value.</p> <p>The delivery mode assigned to all messages that arrive at the destination regardless of the DeliveryMode specified by the message producer.</p> <p>A value of No-Delivery specifies that the DeliveryMode will not be overridden.</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> No-Delivery</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none">■ Persistent■ Non-Persistent■ No-Delivery	Delivery Mode Override

Table 37-1 JMSQueueMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DestinationKeys	Return a read-only array of the destination keys of the template or destination.		Destination Keys
ErrorDestination	<p>The ErrorDestination value for messages that have reached their redelivery limit.</p> <p>Defines the name of the target destination for messages that have reached their redelivery limit. If no error destination is configured, then such messages are simply dropped.</p> <p><i>Note:</i> The error destination must be a destination that is configured on the local JMS server.</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> null</p> <p><i>Minimum:</i> -1</p>	Error Destination
JNDIName	<p>The JNDI name of the destination.</p> <p>This value is the name used to look up the destination within the JNDI namespace. If not specified, the destination name is not advertised through the JNDI namespace and cannot be looked up and used.</p> <p>This attribute is not dynamically configurable.</p>		JNDIName
JNDINameReplicated	If JNDINameReplicated is set to true, then the JNDI name for the destination (if present) is replicated across the cluster. If JNDINameReplicated is set to false, then the JNDI name for the destination (if present) is only visible from the server of which this destination is a part.	<i>Default:</i> true	JNDIName Replicated

Table 37-1 JMSQueueMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MessagesMaximum	<p>The value of MessagesMaximum.</p> <p>The maximum number of messages that may be stored in the destination. A value of -1 specifies that there is no limit on the number of messages that can be stored in the destination.</p> <p><i>Range of Values:</i> >= MessagesThresholdHigh</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Messages Maximum
MessagesPagingEnabled	<p>Return one of "true", "false", or "default".</p> <p>Flag for specifying whether or not messages paging is enabled on the destination:</p> <ul style="list-style-type: none"> ■ If this flag is not selected (false), then messages paging is explicitly disabled for this destination. ■ If this flag is not selected (true), a paging store has been configured for the JMS Server, and both the MessagesThresholdLow and MessagesThresholdHigh attribute values are greater than -1, then messages paging is enabled for this destination. ■ If this attribute is set to "default", then this value inherits the JMS template's value--if a JMS template is specified. If no template is configured for the destination, then the Default value is equivalent to False. 	<p><i>Default:</i> default</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none"> ■ default ■ false ■ true 	Messages Paging Enabled

Table 37-1 JMSQueueMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MessagesThresholdHigh	<p>The value of MessagesThresholdHigh. Upper threshold value that triggers events based on the number of messages stored in the destination. If the number of messages exceeds this threshold, the triggered events are:</p> <p><i>Log Messages</i> - message is logged on the server indicating a high threshold condition.</p> <p><i>Bytes Paging</i> - messages paging is enabled (and a paging store has been configured), then destination-level messages paging is started.</p> <p><i>Flow Control</i> - flow control is enabled, the destination becomes armed and instructs producers to begin decreasing their message flow.</p> <p>A value of -1 specifies that messages paging, flow control, and threshold log messages are disabled for the destination.</p> <p><i>Range of Values:</i> <= MessagesMaximum; >MessagesThresholdLow</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p> <p><i>Note:</i> Messages paging cannot be dynamically disabled by resetting the BytesThresholdHigh to -1. To disable paging, you could set the BytesThresholdHigh to a very large number, so that paging would not be triggered.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 9223372036854775807</p>	Messages Threshold High

Table 37-1 JMSQueueMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MessagesThresholdLow	<p>The value of MessagesThresholdLow. Lower threshold value that triggers events based on the number of messages stored in the destination. If the number of messages falls below this threshold, the triggered events are:</p> <p><i>Log Messages</i> - message is logged on the server indicating that the threshold condition has cleared.</p> <p><i>Bytes Paging</i> - messages paging is enabled, paging is stopped (if paging is occurring).</p> <p><i>Flow Control</i> - flow control is enabled, the destination becomes disarmed and instructs producers to begin increasing their message flow.</p> <p>A value of -1 specifies that messages paging, flow control, and threshold log messages are disabled for the destination.</p> <p><i>Range of Values:</i> < MessagesThresholdHigh</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Messages Threshold Low
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

Table 37-1 JMSQueueMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
PriorityOverride	<p>The PriorityOverride value.</p> <p>This value is the priority assigned to all messages that arrive at the destination, regardless of the Priority specified by the message producer.</p> <p>The default value (-1) specifies that the destination will not override the Priority setting.</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> weblogic.management.configuration.JMSConstants.PRIORITY_MAXIMUM</p>	Priority Override
RedeliveryDelayOverride	<p>The RedeliveryDelayOverride value in milliseconds before rolled back and recovered messages are redelivered.</p> <p>Defines the delay, in milliseconds, before rolled back or recovered messages are redelivered, regardless of the RedeliveryDelay specified by the consumer and/or connection factory.</p> <p>The default value (-1) specifies that the destination will not override the RedeliveryDelay setting.</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 9223372036854775807</p>	Redelivery Delay Override

Table 37-1 JMSQueueMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
RedeliveryLimit	<p>The number of redelivery tries a message can have before it is placed in the error destination.</p> <p>Depending on whether an error destination is configured, the following occurs when the redelivery limit is reached:</p> <ul style="list-style-type: none">■ If no error destination is configured, or the quota for the error destination would be exceeded, then persistent and non-persistent messages are simply dropped.■ If an error destination is configured and the error destination is at quota, then an error message is logged and the message is dropped. However, if the message is persistent, it remains in the persistent store. This ensures that a persistent message will be redelivered when WebLogic Server is rebooted. <p>The default value (-1) specifies that the destination will not override the RedeliveryLimit setting.</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p> <p><i>Note:</i> Changing the RedeliveryLimit does not affect messages that have already reached this limit. The next time such messages are redelivered, they will immediately be redirected to the error destination. The number of times of message has been redelivered is not persisted. This means that after a restart the number of delivery attempts on each message is reset to zero.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Redelivery Limit

Table 37-1 JMSQueueMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
StoreEnabled	<p>Return one of "true", "false", or "default".</p> <p>Flag specifying whether or not the destination uses the persistent store specified by the JMS server:</p> <ul style="list-style-type: none"> ■ If this flag is enabled (true), but no persistent store is defined for the JMS Server, then the configuration fails and WebLogic JMS does not boot. ■ If this flag is disabled (false), then the destination does not support persistent messages. ■ If this flag is set to "default", then the destination uses the persistent store--if one is defined for the JMS server--and supports persistent messaging. <p>This attribute is not dynamically configurable.</p>	<p><i>Default:</i> default</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none"> ■ default ■ false ■ true 	Store Enabled
Template	<p>The JMS template from which the destination is derived.</p> <p>If this attribute is not defined, then the attributes for the destination must be specified as part of the destination. The Template attribute setting per destination is static. The template attributes, however, can be modified dynamically.</p> <p><i>Note:</i> Attributes that are set to their default values will inherit their destination values from the JMS template at run time. If this attribute is not defined, then the attributes for the destination must be specified as part of the destination.</p>		Template

Table 37-1 JMSQueueMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
TimeToDeliverOverride	<p>The TimeToDeliver override value either in milliseconds or as a schedule.</p> <p>Defines the default delay, in milliseconds, between when a message is produced and when it is made visible on its target destination, regardless of the delivery time specified by the producer and/or connection factory.</p> <p>The default value (-1) specifies that the destination will not override the TimeToDeliver setting. The TimeToDeliverOverride can be specified either as a long or as a schedule.</p> <p><i>Note:</i> Changing the TimeToDeliverOverride only affects future message delivery, it does not affect message delivery of already produced messages.</p>	<p><i>Default:</i> " -1 "</p>	Time To Deliver Override
TimeToLiveOverride	<p>The TimeToLiveOverride value.</p> <p>Defines the TimeToLive value assigned to all messages that arrive at the destination, regardless of the TimeToLive specified by the message producer.</p> <p>The default value (-1) specifies that the destination will not override the TimeToLive setting.</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 9223372036854775807</p>	Time To Live Override

38 JMSServer

Description

This MBean defines a JMS Server.

Syntax

```
<!ELEMENT JMSServer ( JMSSessionPool* | JMSQueue* | JMSTopic* )* >

<!ATTLIST JMSServer
  BytesMaximum          CDATA          "-1"
  BytesPagingEnabled   (true | false) "false"
  BytesThresholdHigh   CDATA          "-1"
  BytesThresholdLow    CDATA          "-1"
  DeploymentOrder      CDATA          "1000"
  MessagesMaximum      CDATA          "-1"
  MessagesPagingEnabled (true | false) "false"
  MessagesThresholdHigh CDATA          "-1"
  MessagesThresholdLow CDATA          "-1"
  Name                  CDATA          #REQUIRED
  Notes                 CDATA          #IMPLIED
  PagingStore           CDATA          #IMPLIED
  Store                 CDATA          #IMPLIED
  Targets               CDATA          #IMPLIED
  TemporaryTemplate    CDATA          #IMPLIED
>
```

Parent Elements

The JMSServer element is a child of the [Domain](#) element.

Attributes

Table 38-1 JMSServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
BytesMaximum	<p>The value of BytesMaximum.</p> <p>The maximum number of bytes that may be stored in the JMS server. A value of -1 specifies that there is no limit on the number of bytes that can be stored in the JMS server.</p> <p><i>Range of Values:</i> >= BytesThresholdHigh</p> <p>This attribute is dynamically configurable.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Bytes Maximum
BytesPagingEnabled	<p>Check if BytesPagingEnabled is set.</p> <p>Flag for specifying whether or not bytes paging is enabled on the JMS server:</p> <ul style="list-style-type: none"> ■ If this flag is not selected (false), then server bytes paging is explicitly disabled. ■ If this flag is selected (true), a paging store has been configured, and both the BytesThresholdLow and BytesThresholdHigh attribute values are greater than -1, then server bytes paging is enabled. ■ If either the BytesThresholdLow or BytesThreshold Highattribute is undefined, or defined as -1, then server bytes paging is implicitly disabled--even though this flag is selected. 	<i>Default:</i> false	Bytes Paging Enabled

Table 38-1 JMServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
BytesThresholdHigh	<p>The value of BytesThresholdHigh. Upper threshold value that triggers events based on the number of bytes stored in the JMS server. If the number of bytes exceeds this threshold, the triggered events are:</p> <p><i>Log Messages</i> - A message is logged on the server indicating a high threshold condition.</p> <p><i>Bytes Paging</i> - If bytes paging is enabled (and a paging store has been configured), then server bytes paging is started.</p> <p><i>Flow Control</i> - If flow control is enabled, the JMS server becomes armed and instructs producers to begin decreasing their message flow.</p> <p>A value of -1 specifies that server bytes paging, flow control, and threshold log messages are disabled for the JMS server.</p> <p><i>Range of Values:</i> <= BytesMaximum; >BytesThresholdLow</p> <p>This attribute is dynamically configurable.</p> <p><i>Note:</i> Bytes paging cannot be dynamically disabled by resetting the BytesThresholdHigh to -1. To disable paging, you could set the BytesThresholdHigh to a very large number, so that paging would not be triggered.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Bytes Threshold High

Table 38-1 JMSServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
BytesThresholdLow	<p>The value of BytesThresholdLow</p> <p>Lower threshold value that triggers events based on the number of bytes stored in the JMS server. If the number of bytes falls below this threshold, the triggered events are:</p> <p><i>Log Messages</i> - A message is logged on the server indicating that the threshold condition has cleared.</p> <p><i>Bytes Paging</i> - If bytes paging is enabled, paging is stopped (if paging is occurring).</p> <p><i>Flow Control</i> - If flow control is enabled, the JMS server becomes disarmed and instructs producers to begin increasing their message flow.</p> <p>A value of -1 specifies that server bytes paging, flow control, and threshold log messages are disabled for the JMS server.</p> <p><i>Range of Values:</i> < BytesThresholdHigh</p> <p>This attribute is dynamically configurable.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Bytes Threshold Low
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Deployment Order

Table 38-1 JMS Server MBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MessagesMaximum	<p>The value of MessagesMaximum.</p> <p>The maximum number of messages that may be stored in the JMS server. A value of -1 specifies that there is no limit on the number of messages that can be stored in the JMS server.</p> <p>This attribute is dynamically configurable.</p> <p><i>Range of Values:</i> >= MessagesThresholdHigh</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Messages Maximum
MessagesPagingEnabled	<p>Check if MessagesPagingEnabled is set. Flag for specifying whether or not messages paging is enabled on the JMS server:</p> <ul style="list-style-type: none">■ If this flag is not selected (false), then server messages paging is explicitly disabled.■ If this flag is selected (true), a paging store has been configured, and both the MessagesThresholdLow and MessagesThresholdHigh attribute values are greater than -1, then server messages paging is enabled.■ If either the MessagesThresholdLow or MessagesThresholdHigh attribute is undefined, or defined as -1, then server messages paging is implicitly disabled--even though this flag is selected.	<p><i>Default:</i> false</p>	Messages Paging Enabled

Table 38-1 JMSServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MessagesThresholdHigh	<p>The value of MessagesThresholdHigh. Upper threshold value that triggers events based on the number of messages stored in the JMS server. If the number of messages exceeds this threshold, the triggered events are:</p> <p><i>Log Messages</i> - A message is logged on the server indicating a high threshold condition.</p> <p><i>Bytes Paging</i> - If messages paging is enabled (and a paging store has been configured), then server messages paging is started.</p> <p><i>Flow Control</i> - If flow control is enabled, the JMS server becomes armed and instructs producers to begin decreasing their message flow.</p> <p>A value of -1 specifies that server messages paging, flow control, and threshold log messages are disabled for the JMS server.</p> <p><i>Range of Values:</i> <= MessagesMaximum; >MessagesThresholdLow</p> <p>This attribute is dynamically configurable.</p> <p><i>Note:</i> Messages paging cannot be dynamically disabled by resetting the MessagesThresholdHigh to -1. To disable paging, you could set the MessagesThresholdHigh to a very large number, so that paging would not be triggered.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 9223372036854775807</p>	Messages Threshold High

Table 38-1 JMS Server MBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MessagesThresholdLow	<p>The value of MessagesThresholdLow</p> <p>Lower threshold value that triggers events based on the number of messages stored in the JMS server. If the number of messages falls below this threshold, the triggered events are:</p> <p><i>Log Messages</i> - A message is logged on the server indicating that the threshold condition has cleared.</p> <p><i>Bytes Paging</i> - If messages paging is enabled, paging is stopped (if paging is occurring).</p> <p><i>Flow Control</i> - If flow control is enabled, the JMS server becomes disarmed and instructs producers to begin increasing their message flow.</p> <p>A value of -1 specifies that server messages paging, flow control, and threshold log messages are disabled for the JMS server.</p> <p><i>Range of Values:</i> < MessagesThresholdHigh</p> <p>This attribute is dynamically configurable.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Messages Threshold Low
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

Table 38-1 JMSServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
PagingStore	<p>The paging store for the JMS server.</p> <p>The name of the persistent store where non-persistent messages are paged for the JMS server. A paging store cannot be the same store used for persistent messages or durable subscribers.</p> <p>A paging store may only be used by one JMS server. A value of none specifies that message paging is not supported. If no paging store is specified, then the server and destinations will not support message paging.</p> <p><i>Note:</i> Using a JDBC store is not recommended for paging since the amount of traffic and subsequent lack of performance would make such a configuration undesirable.</p>	<i>Default:</i> null	Paging Store
Store	<p>The persistent store for the JMS server.</p> <p>A persistent store may only be used by one JMS server. A value of none specifies that no persistent messaging is supported. If no persistent store is specified, then destinations on this JMS server will not support persistent messages or durable subscribers.</p>	<i>Default:</i> null	Store
Targets	The targets in the current domain on which this item can be deployed.		Targets

Table 38-1 JMS Server MBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
TemporaryTemplate	<p>The temporary template for the JMS server.</p> <p>The name of an existing JMS template used to create all temporary destinations, including temporary queues and temporary topics. The attribute values for a temporary destination are derived from this JMS template. If provided as part of the template, the Store attribute values are ignored because temporary destinations do not support persistent messaging.</p> <p><i>Note:</i> If this attribute is set to none, attempts to create a temporary destination (queue or topic) will fail.</p>	<i>Default:</i> null	Temporary Template

39 JMSSessionPool

Description

This MBean represents a JMS session pool.

Syntax

```
<!ELEMENT JMSSessionPool ( JMSConnectionConsumer* )* >
<!ATTLIST JMSSessionPool
  AcknowledgeMode          (ACKNOWLEDGE_MODE_AUTO |
                           ACKNOWLEDGE_MODE_CLIENT |
                           ACKNOWLEDGE_MODE_DUPS_OK |
                           ACKNOWLEDGE_MODE_NONE)  "ACKNOWLEDGE_MODE_AUTO"
  ConnectionFactory        CDATA                    #IMPLIED
  ListenerClass           CDATA                    #REQUIRED
  Name                    CDATA                    #REQUIRED
  Notes                   CDATA                    #IMPLIED
  SessionsMaximum         CDATA                    "-1"
  Transacted              (true | false)           "false"
>
```

Parent Elements

The JMSSessionPool element is a child of the [JMSServer](#) element.

Attributes

Table 39-1 JMSSessionPoolMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AcknowledgeMode	<p>The acknowledge mode used by non-transacted sessions within the session pool.</p> <p>For transacted sessions, messages are acknowledged automatically when the session is committed and this field is ignored.</p> <p>This attribute is not dynamically configurable.</p>	<p><i>Default:</i> ACKNOWLEDGE_MODE_AUTO</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none"> ■ ACKNOWLEDGE_MODE_AUTO ■ ACKNOWLEDGE_MODE_CLIENT ■ ACKNOWLEDGE_MODE_DUPS_OK ■ ACKNOWLEDGE_MODE_NONE 	Acknowledge Mode
ConnectionFactory	The JNDI name of the connection factory for the session pool.	<i>Default:</i> null	Connection Factory
ListenerClass	The name of the listener class for the session pool.		Listener Class
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
SessionsMaximum	<p>The maximum number of sessions allowed for the session pool.</p> <p>This value is the number of concurrent sessions in the session pool. A value of -1 indicates that there is no maximum.</p> <p>This attribute is dynamically configurable; however, it does not take effect until the session pool is restarted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 9223372036854775807</p>	Sessions Maximum

Table 39-1 JMSSESSIONPOOLMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Transacted	Check if the session pool is transacted or non-transacted. This flag indicates whether or not the session pool creates transacted sessions. This attribute is not dynamically configurable.	<i>Default: false</i>	Transacted

40 JMSStore

Description

A JMS persistent store. This is a physical repository for storing persistent data.

Syntax

```
<!ELEMENT JMSStore EMPTY >

<!ATTLIST JMSStore
  Name          CDATA          #REQUIRED
  Notes         CDATA          #IMPLIED
>
```

Parent Elements

The JMSStore element is a child of the [Domain](#) element.

Attributes

Table 40-1 JMSStoreMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

41 JMSTemplate

Description

A JMS destination template.

Syntax

```
<!ELEMENT JMSTemplate ( JMSTemplateKey* | JMSTemplateQueue* | JMSTemplateTopic* )* >

<!ATTLIST JMSTemplate
  BytesMaximum          CDATA          "-1"
  BytesPagingEnabled    (true | false) "false"
  BytesThresholdHigh    CDATA          "-1"
  BytesThresholdLow     CDATA          "-1"
  DeliveryModeOverride  (Persistent |
                          Non-Persistent |
                          No-Delivery) "No-Delivery"
  DestinationKeys       CDATA          #IMPLIED
  ErrorDestination      CDATA          #IMPLIED
  MessagesMaximum       CDATA          "-1"
  MessagesPagingEnabled (true | false) "false"
  MessagesThresholdHigh CDATA          "-1"
  MessagesThresholdLow  CDATA          "-1"
  Name                  CDATA          #REQUIRED
  Notes                 CDATA          #IMPLIED
  PriorityOverride       CDATA          "-1"
  RedeliveryDelayOverride CDATA          "-1"
  RedeliveryLimit        CDATA          "-1"
  TimeToDeliverOverride  CDATA          "-1"
  TimeToLiveOverride     CDATA          "-1"
>
```

Parent Elements

The JMSTemplate element can be a child of these elements:

- [JMSTemplateDistributedQueue](#)

41 JMSTemplate

- [JMSDistributedTopic](#)

Attributes

Table 41-1 JMSTemplateMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
BytesMaximum	<p>The value of BytesMaximum.</p> <p>The maximum number of bytes that may be stored in the destination. A value of -1 specifies that there is no limit on the number of bytes that can be stored in the destination.</p> <p><i>Range of Values:</i> >= BytesThresholdHigh</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Bytes Maximum

Table 41-1 JMSTemplateMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
BytesPagingEnabled	<p>Check if BytesPagingEnabled is set. Flag for specifying whether or not bytes paging is enabled on the template:</p> <ul style="list-style-type: none"><li>■ If this flag is not selected (false), then bytes paging is disabled for the template's destinations-unless the destination setting overrides the template.<li>■ If this flag is selected (true), a paging store has been configured for the JMS Server, and both the BytesThresholdLow and BytesThresholdHigh attribute values are greater than -1, then bytes paging is enabled for the template's destinations--unless the destination setting overrides the template. <p><i>Note:</i>If no value is defined, then this setting defaults to "false" and bytes paging is disabled for the template's destinations--unless the destination setting overrides the template.</p>	<i>Default: false</i>	Bytes Paging Enabled

Table 41-1 JMSTemplateMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
BytesThresholdHigh	<p>The value of BytesThresholdHigh. Upper threshold value that triggers events based on the number of bytes stored in the destination. If the number of bytes exceeds this threshold, the triggered events are:</p> <p><i>Log Messages</i> - message is logged on the server indicating a high threshold condition.</p> <p><i>Bytes Paging</i> - bytes paging is enabled (and a paging store has been configured), then destination-level bytes paging is started.</p> <p><i>Flow Control</i> - flow control is enabled, the destination becomes armed and instructs producers to begin decreasing their message flow.</p> <p>A value of -1 specifies that bytes paging, flow control, and threshold log messages are disabled for the destination.</p> <p><i>Range of Values:</i> <= BytesMaximum; >BytesThresholdLow</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p> <p><i>Note:</i> Bytes paging cannot be dynamically disabled by resetting the BytesThresholdHigh to -1. To disable paging, you could set the BytesThresholdHigh to a very large number, so that paging would not be triggered.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 9223372036854775807</p>	Bytes Threshold High

Table 41-1 JMSTemplateMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
BytesThresholdLow	<p>The value of BytesThresholdLow.</p> <p>Lower threshold value that triggers events based on the number of bytes stored in the destination. If the number of bytes falls below this threshold, the triggered events are:</p> <p><i>Log Messages</i> - message is logged on the server indicating that the threshold condition has cleared.</p> <p><i>Bytes Paging</i> - bytes paging is enabled, paging is stopped (if paging is occurring).</p> <p><i>Flow Control</i> - flow control is enabled, the destination becomes disarmed and instructs producers to begin increasing their message flow.</p> <p>A value of -1 specifies that bytes paging, flow control, and threshold log messages are disabled for the destination.</p> <p><i>Range of Values:</i> < BytesThresholdHigh</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Bytes Threshold Low
DeliveryModeOverride	<p>The DeliveryModeOverride value.</p> <p>The delivery mode assigned to all messages that arrive at the destination regardless of the DeliveryMode specified by the message producer.</p> <p>A value of No-Delivery specifies that the DeliveryMode will not be overridden.</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> No-Delivery</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none">■ Persistent■ Non-Persistent■ No-Delivery	Delivery Mode Override

Table 41-1 JMSTemplateMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DestinationKeys	Return a read-only array of the destination keys of the template or destination.		Destination Keys
ErrorDestination	<p>The ErrorDestination value for messages that have reached their redelivery limit.</p> <p>Defines the name of the target destination for messages that have reached their redelivery limit. If no error destination is configured, then such messages are simply dropped.</p> <p><i>Note:</i> The error destination must be a destination that is configured on the local JMS server.</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> null</p> <p><i>Minimum:</i> -1</p>	Error Destination
MessagesMaximum	<p>The value of MessagesMaximum.</p> <p>The maximum number of messages that may be stored in the destination. A value of -1 specifies that there is no limit on the number of messages that can be stored in the destination.</p> <p><i>Range of Values:</i> >= MessagesThresholdHigh</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Messages Maximum

Table 41-1 JMS Template MBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MessagesPagingEnabled	<p>Check if MessagesPagingEnabled is set. Flag for specifying whether or not messages paging is enabled on the template:</p> <ul style="list-style-type: none"><li>■ If this flag is not selected (false), then messages paging is disabled for the template's destinations--unless the destination setting overrides the template.<li>■ If this flag is selected (true), a paging store has been configured for the JMS Server, and both the MessagesThresholdLow and MessagesThresholdHigh attribute values are greater than -1, then messages paging is enabled for the template's destinations--unless the destination setting overrides the template. <p><i>Note:</i> If no value is defined, this setting defaults to "false" and messages paging is disabled for the template's destinations--unless the destination setting overrides the template.</p>	<i>Default: false</i>	Messages Paging Enabled

Table 41-1 JMSTemplateMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MessagesThresholdHigh	<p>The value of MessagesThresholdHigh. Upper threshold value that triggers events based on the number of messages stored in the destination. If the number of messages exceeds this threshold, the triggered events are:</p> <p><i>Log Messages</i> - message is logged on the server indicating a high threshold condition.</p> <p><i>Bytes Paging</i> - messages paging is enabled (and a paging store has been configured), then destination-level messages paging is started.</p> <p><i>Flow Control</i> - flow control is enabled, the destination becomes armed and instructs producers to begin decreasing their message flow.</p> <p>A value of -1 specifies that messages paging, flow control, and threshold log messages are disabled for the destination.</p> <p><i>Range of Values:</i> <= MessagesMaximum; >MessagesThresholdLow</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p> <p><i>Note:</i> Messages paging cannot be dynamically disabled by resetting the BytesThresholdHigh to -1. To disable paging, you could set the BytesThresholdHigh to a very large number, so that paging would not be triggered.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 9223372036854775807</p>	Messages Threshold High

Table 41-1 JMSTemplateMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MessagesThresholdLow	<p>The value of MessagesThresholdLow. Lower threshold value that triggers events based on the number of messages stored in the destination. If the number of messages falls below this threshold, the triggered events are:</p> <p><i>Log Messages</i> - message is logged on the server indicating that the threshold condition has cleared.</p> <p><i>Bytes Paging</i> - messages paging is enabled, paging is stopped (if paging is occurring).</p> <p><i>Flow Control</i> - flow control is enabled, the destination becomes disarmed and instructs producers to begin increasing their message flow.</p> <p>A value of -1 specifies that messages paging, flow control, and threshold log messages are disabled for the destination.</p> <p><i>Range of Values:</i> < MessagesThresholdHigh</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 9223372036854775807</p>	Messages Threshold Low
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

Table 41-1 JMSTemplateMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
PriorityOverride	<p>The PriorityOverride value.</p> <p>This value is the priority assigned to all messages that arrive at the destination, regardless of the Priority specified by the message producer.</p> <p>The default value (-1) specifies that the destination will not override the Priority setting.</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> weblogic.management.configuration.JMSConstants.PRIORITY_MAXIMUM</p>	Priority Override
RedeliveryDelayOverride	<p>The RedeliveryDelayOverride value in milliseconds before rolled back and recovered messages are redelivered.</p> <p>Defines the delay, in milliseconds, before rolled back or recovered messages are redelivered, regardless of the RedeliveryDelay specified by the consumer and/or connection factory.</p> <p>The default value (-1) specifies that the destination will not override the RedeliveryDelay setting.</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 9223372036854775807</p>	Redelivery Delay Override

Table 41-1 JMSTemplateMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
RedeliveryLimit	<p>The number of redelivery tries a message can have before it is placed in the error destination.</p> <p>Depending on whether an error destination is configured, the following occurs when the redelivery limit is reached:</p> <ul style="list-style-type: none">■ If no error destination is configured, or the quota for the error destination would be exceeded, then persistent and non-persistent messages are simply dropped.■ If an error destination is configured and the error destination is at quota, then an error message is logged and the message is dropped. However, if the message is persistent, it remains in the persistent store. This ensures that a persistent message will be redelivered when WebLogic Server is rebooted. <p>The default value (-1) specifies that the destination will not override the RedeliveryLimit setting.</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p> <p><i>Note:</i> Changing the RedeliveryLimit does not affect messages that have already reached this limit. The next time such messages are redelivered, they will immediately be redirected to the error destination. The number of times of message has been redelivered is not persisted. This means that after a restart the number of delivery attempts on each message is reset to zero.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Redelivery Limit

Table 41-1 JMSTemplateMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
TimeToDeliverOverride	<p>The TimeToDeliver override value either in milliseconds or as a schedule.</p> <p>Defines the default delay, in milliseconds, between when a message is produced and when it is made visible on its target destination, regardless of the delivery time specified by the producer and/or connection factory.</p> <p>The default value (-1) specifies that the destination will not override the TimeToDeliver setting. The TimeToDeliverOverride can be specified either as a long or as a schedule.</p> <p><i>Note:</i> Changing the TimeToDeliverOverride only affects future message delivery, it does not affect message delivery of already produced messages.</p>	<i>Default:</i> "-1"	Time To Deliver Override
TimeToLiveOverride	<p>The TimeToLiveOverride value.</p> <p>Defines the TimeToLive value assigned to all messages that arrive at the destination, regardless of the TimeToLive specified by the message producer.</p> <p>The default value (-1) specifies that the destination will not override the TimeToLive setting.</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 9223372036854775807</p>	Time To Live Override

42 JMSTopic

Syntax

```

<!ELEMENT JMSTopic ( JMSDestinationKey* )* >

<!ATTLIST JMSTopic
  BytesMaximum          CDATA          "-1"
  BytesPagingEnabled    (default | false |
                        true)          "default"
  BytesThresholdHigh    CDATA          "-1"
  BytesThresholdLow     CDATA          "-1"
  DeliveryModeOverride  (Persistent |
                        Non-Persistent |
                        No-Delivery)   "No-Delivery"
  DestinationKeys       CDATA          #IMPLIED
  ErrorDestination      CDATA          #IMPLIED
  JNDIName              CDATA          #IMPLIED
  JNDINameReplicated    (true | false)  "true"
  MessagesMaximum       CDATA          "-1"
  MessagesPagingEnabled (default | false |
                        true)          "default"
  MessagesThresholdHigh CDATA          "-1"
  MessagesThresholdLow  CDATA          "-1"
  MulticastAddress      CDATA          #IMPLIED
  MulticastPort         CDATA          "6001"
  MulticastTTL          CDATA          "1"
  Name                  CDATA          #REQUIRED
  Notes                 CDATA          #IMPLIED
  PriorityOverride      CDATA          "-1"
  RedeliveryDelayOverride CDATA          "-1"
  RedeliveryLimit       CDATA          "-1"
  StoreEnabled          (default | false |
                        true)          "default"
  Template              CDATA          #IMPLIED
  TimeToDeliverOverride CDATA          "-1"
  TimeToLiveOverride    CDATA          "-1"
>

```

Parent Elements

The JMSTopic element can be a child of these elements:

- [JMSServer](#)
- [JMSTemplate](#)

Attributes

Table 42-1 JMSTopicMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
BytesMaximum	<p>The value of BytesMaximum.</p> <p>The maximum number of bytes that may be stored in the destination. A value of -1 specifies that there is no limit on the number of bytes that can be stored in the destination.</p> <p><i>Range of Values:</i> >= BytesThresholdHigh</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Bytes Maximum

Table 42-1 JMSTopicMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
BytesPagingEnabled	<p>Return one of "true", "false", or "default".</p> <p>Flag for specifying whether or not bytes paging is enabled on the destination:</p> <ul style="list-style-type: none">■ If this flag is not selected (false), then bytes paging is explicitly disabled for this destination.■ If this flag is not selected (true), a paging store has been configured for the JMS Server, and both the BytesThresholdLow and BytesThresholdHigh attribute values are greater than -1, then bytes paging is enabled for this destination.■ If this attribute is set to "default", then this value inherits the JMS template's value--if a JMS template is specified. If no template is configured for the destination, then the Default value is equivalent to False.	<p><i>Default:</i> default</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none">■ default■ false■ true	Bytes Paging Enabled

Table 42-1 JMSTopicMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
BytesThresholdHigh	<p>The value of BytesThresholdHigh. Upper threshold value that triggers events based on the number of bytes stored in the destination. If the number of bytes exceeds this threshold, the triggered events are:</p> <p><i>Log Messages</i> - message is logged on the server indicating a high threshold condition.</p> <p><i>Bytes Paging</i> - bytes paging is enabled (and a paging store has been configured), then destination-level bytes paging is started.</p> <p><i>Flow Control</i> - flow control is enabled, the destination becomes armed and instructs producers to begin decreasing their message flow.</p> <p>A value of -1 specifies that bytes paging, flow control, and threshold log messages are disabled for the destination.</p> <p><i>Range of Values:</i> <= BytesMaximum; >BytesThresholdLow</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p> <p><i>Note:</i> Bytes paging cannot be dynamically disabled by resetting the BytesThresholdHigh to -1. To disable paging, you could set the BytesThresholdHigh to a very large number, so that paging would not be triggered.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Bytes Threshold High

Table 42-1 JMSTopicMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
BytesThresholdLow	<p>The value of BytesThresholdLow.</p> <p>Lower threshold value that triggers events based on the number of bytes stored in the destination. If the number of bytes falls below this threshold, the triggered events are:</p> <p><i>Log Messages</i> - message is logged on the server indicating that the threshold condition has cleared.</p> <p><i>Bytes Paging</i> - bytes paging is enabled, paging is stopped (if paging is occurring).</p> <p><i>Flow Control</i> - flow control is enabled, the destination becomes disarmed and instructs producers to begin increasing their message flow.</p> <p>A value of -1 specifies that bytes paging, flow control, and threshold log messages are disabled for the destination.</p> <p><i>Range of Values:</i> < BytesThresholdHigh</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Bytes Threshold Low
DeliveryModeOverride	<p>The DeliveryModeOverride value.</p> <p>The delivery mode assigned to all messages that arrive at the destination regardless of the DeliveryMode specified by the message producer.</p> <p>A value of No-Delivery specifies that the DeliveryMode will not be overridden.</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> No-Delivery</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none"> ■ Persistent ■ Non-Persistent ■ No-Delivery 	Delivery Mode Override

Table 42-1 JMSTopicMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DestinationKeys	Return a read-only array of the destination keys of the template or destination.		Destination Keys
ErrorDestination	<p>The ErrorDestination value for messages that have reached their redelivery limit.</p> <p>Defines the name of the target destination for messages that have reached their redelivery limit. If no error destination is configured, then such messages are simply dropped.</p> <p><i>Note:</i> The error destination must be a destination that is configured on the local JMS server.</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> null</p> <p><i>Minimum:</i> -1</p>	Error Destination
JNDIName	<p>The JNDI name of the destination.</p> <p>This value is the name used to look up the destination within the JNDI namespace. If not specified, the destination name is not advertised through the JNDI namespace and cannot be looked up and used.</p> <p>This attribute is not dynamically configurable.</p>		JNDIName
JNDINameReplicated	If JNDINameReplicated is set to true, then the JNDI name for the destination (if present) is replicated across the cluster. If JNDINameReplicated is set to false, then the JNDI name for the destination (if present) is only visible from the server of which this destination is a part.	<i>Default:</i> true	JNDIName Replicated

Table 42-1 JMSTopicMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MessagesMaximum	<p>The value of MessagesMaximum.</p> <p>The maximum number of messages that may be stored in the destination. A value of -1 specifies that there is no limit on the number of messages that can be stored in the destination.</p> <p><i>Range of Values:</i> >= MessagesThresholdHigh</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 9223372036854775807</p>	Messages Maximum
MessagesPagingEnabled	<p>Return one of "true", "false", or "default".</p> <p>Flag for specifying whether or not messages paging is enabled on the destination:</p> <ul style="list-style-type: none"> ■ If this flag is not selected (false), then messages paging is explicitly disabled for this destination. ■ If this flag is not selected (true), a paging store has been configured for the JMS Server, and both the MessagesThresholdLow and MessagesThresholdHigh attribute values are greater than -1, then messages paging is enabled for this destination. ■ If this attribute is set to "default", then this value inherits the JMS template's value--if a JMS template is specified. If no template is configured for the destination, then the Default value is equivalent to False. 	<p><i>Default:</i> default</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none"> ■ default ■ false ■ true 	Messages Paging Enabled

Table 42-1 JMSTopicMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MessagesThresholdHigh	<p>The value of MessagesThresholdHigh. Upper threshold value that triggers events based on the number of messages stored in the destination. If the number of messages exceeds this threshold, the triggered events are:</p> <p><i>Log Messages</i> - message is logged on the server indicating a high threshold condition.</p> <p><i>Bytes Paging</i> - messages paging is enabled (and a paging store has been configured), then destination-level messages paging is started.</p> <p><i>Flow Control</i> - flow control is enabled, the destination becomes armed and instructs producers to begin decreasing their message flow.</p> <p>A value of -1 specifies that messages paging, flow control, and threshold log messages are disabled for the destination.</p> <p><i>Range of Values:</i> <= MessagesMaximum; >MessagesThresholdLow</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p> <p><i>Note:</i> Messages paging cannot be dynamically disabled by resetting the BytesThresholdHigh to -1. To disable paging, you could set the BytesThresholdHigh to a very large number, so that paging would not be triggered.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 9223372036854775807</p>	Messages Threshold High

Table 42-1 JMSTopicMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MessagesThresholdLow	<p>The value of MessagesThresholdLow.</p> <p>Lower threshold value that triggers events based on the number of messages stored in the destination. If the number of messages falls below this threshold, the triggered events are:</p> <p><i>Log Messages</i> - message is logged on the server indicating that the threshold condition has cleared.</p> <p><i>Bytes Paging</i> - messages paging is enabled, paging is stopped (if paging is occurring).</p> <p><i>Flow Control</i> - flow control is enabled, the destination becomes disarmed and instructs producers to begin increasing their message flow.</p> <p>A value of -1 specifies that messages paging, flow control, and threshold log messages are disabled for the destination.</p> <p><i>Range of Values:</i> < MessagesThresholdHigh</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 9223372036854775807</p>	Messages Threshold Low
MulticastAddress	<p>The multicast address used by the destination.</p> <p>The IP address used for multicasting. This address is used to transmit messages to multicast consumers.</p>		Multicast Address
MulticastPort	<p>The multicast port for the destination.</p> <p>This is the IP port used for multicasting. This port is used to transmit messages to multicast consumers.</p>	<p><i>Default:</i> 6001</p> <p><i>Minimum:</i> 1</p> <p><i>Maximum:</i> 65535</p>	Multicast Port

Table 42-1 JMSTopicMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MulticastTTL	The number of network hops that a multicast message is allowed to travel. This is the Time-To-Live value used for multicasting, which specifies the number of routers that the message can traverse enroute to the consumers. A value of 1 indicates that the message will not traverse any routers and is limited to one subnet. This value is independent of the JMSExpirationTime value.	<i>Default:</i> 1 <i>Minimum:</i> 0 <i>Maximum:</i> 255	Multicast TTL
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
PriorityOverride	The PriorityOverride value. This value is the priority assigned to all messages that arrive at the destination, regardless of the Priority specified by the message producer. The default value (-1) specifies that the destination will not override the Priority setting. This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.	<i>Default:</i> -1 <i>Minimum:</i> -1 <i>Maximum:</i> <code>weblogic.management.configuration.JMSConstants.PRIORITY_MAXIMUM</code>	Priority Override

Table 42-1 JMSTopicMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
RedeliveryDelayOverride	<p>The RedeliveryDelayOverride value in milliseconds before rolled back and recovered messages are redelivered.</p> <p>Defines the delay, in milliseconds, before rolled back or recovered messages are redelivered, regardless of the RedeliveryDelay specified by the consumer and/or connection factory.</p> <p>The default value (-1) specifies that the destination will not override the RedeliveryDelay setting.</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 9223372036854775807</p>	Redelivery Delay Override

Table 42-1 JMSTopicMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
RedeliveryLimit	<p>The number of redelivery tries a message can have before it is placed in the error destination.</p> <p>Depending on whether an error destination is configured, the following occurs when the redelivery limit is reached:</p> <ul style="list-style-type: none"> ■ If no error destination is configured, or the quota for the error destination would be exceeded, then persistent and non-persistent messages are simply dropped. ■ If an error destination is configured and the error destination is at quota, then an error message is logged and the message is dropped. However, if the message is persistent, it remains in the persistent store. This ensures that a persistent message will be redelivered when WebLogic Server is rebooted. <p>The default value (-1) specifies that the destination will not override the RedeliveryLimit setting.</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p> <p><i>Note:</i> Changing the RedeliveryLimit does not affect messages that have already reached this limit. The next time such messages are redelivered, they will immediately be redirected to the error destination. The number of times of message has been redelivered is not persisted. This means that after a restart the number of delivery attempts on each message is reset to zero.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Redelivery Limit

Table 42-1 JMSTopicMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
StoreEnabled	<p>Return one of "true", "false", or "default".</p> <p>Flag specifying whether or not the destination uses the persistent store specified by the JMS server:</p> <ul style="list-style-type: none">■ If this flag is enabled (true), but no persistent store is defined for the JMS Server, then the configuration fails and WebLogic JMS does not boot.■ If this flag is disabled (false), then the destination does not support persistent messages.■ If this flag is set to "default", then the destination uses the persistent store--if one is defined for the JMS server--and supports persistent messaging. <p>This attribute is not dynamically configurable.</p>	<p><i>Default:</i> default</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none">■ default■ false■ true	Store Enabled
Template	<p>The JMS template from which the destination is derived.</p> <p>If this attribute is not defined, then the attributes for the destination must be specified as part of the destination. The Template attribute setting per destination is static. The template attributes, however, can be modified dynamically.</p> <p><i>Note:</i> Attributes that are set to their default values will inherit their destination values from the JMS template at run time. If this attribute is not defined, then the attributes for the destination must be specified as part of the destination.</p>		Template

Table 42-1 JMSTopicMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
TimeToDeliverOverride	<p>The TimeToDeliver override value either in milliseconds or as a schedule.</p> <p>Defines the default delay, in milliseconds, between when a message is produced and when it is made visible on its target destination, regardless of the delivery time specified by the producer and/or connection factory.</p> <p>The default value (-1) specifies that the destination will not override the TimeToDeliver setting. The TimeToDeliverOverride can be specified either as a long or as a schedule.</p> <p><i>Note:</i> Changing the TimeToDeliverOverride only affects future message delivery, it does not affect message delivery of already produced messages.</p>	<p><i>Default:</i> "-1"</p>	Time To Deliver Override
TimeToLiveOverride	<p>The TimeToLiveOverride value.</p> <p>Defines the TimeToLive value assigned to all messages that arrive at the destination, regardless of the TimeToLive specified by the message producer.</p> <p>The default value (-1) specifies that the destination will not override the TimeToLive setting.</p> <p>This attribute is dynamically configurable, but only incoming messages are impacted; stored messages are not impacted.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Time To Live Override

43 JoltConnectionPool

Description

This bean defines a Jolt connection pool.

Syntax

```
<!ELEMENT JoltConnectionPool EMPTY >

<!ATTLIST JoltConnectionPool
  ApplicationPassword      CDATA          #IMPLIED
  DeploymentOrder         CDATA          "1000"
  FailoverAddresses       CDATA          #IMPLIED
  MaximumPoolSize         CDATA          "1"
  MinimumPoolSize         CDATA          "0"
  Name                    CDATA          #REQUIRED
  Notes                   CDATA          #IMPLIED
  PrimaryAddresses        CDATA          #IMPLIED
  RecvTimeout             CDATA          "0"
  SecurityContextEnabled  (true | false) "false"
  Targets                 CDATA          #IMPLIED
  UserName                CDATA          #IMPLIED
  UserPassword            CDATA          #IMPLIED
  UserRole                CDATA          #IMPLIED
>
```

Parent Elements

The JoltConnectionPool element is a child of the [Domain](#) element.

Attributes

Table 43-1 JoltConnectionPoolMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ApplicationPassword	Defines the application password for this connection pool.		Application Password
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Deployment Order
FailoverAddresses	Defines a list of addresses used if connections defined by the primary addresses cannot be established or fail.		Failover Addresses
MaximumPoolSize	Defines the maximum number of connections that can be made from the Jolt connection pool.	<i>Default:</i> 1	Maximum Pool Size
MinimumPoolSize	Defines the minimum number of connections to be added to the Jolt connection pool when WebLogic Server starts.	<i>Default:</i> 0	Minimum Pool Size
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

Table 43-1 JoltConnectionPoolMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
PrimaryAddresses	Defines a list of primary addresses used to establish a connection between the Jolt connection pool and Tuxedo.		Primary Addresses
RecvTimeout	Defines the amount of time the client waits to receive a response before timing out.	<i>Default: 0</i>	Recv Timeout
SecurityContextEnabled	Defines state the security context for this connection pool. If selected (set to true), security context is enabled.	<i>Default: false</i>	Security Context Enabled
Targets	The targets in the current domain on which this item can be deployed.		Targets
UserName	Defines the user name for this connection pool.		User Name
UserPassword	Defines the user password for this connection pool.		User Password
UserRole	Defines the user role for this connection pool.		User Role

44 JTA

Description

This interface provides access to the JTA configuration attributes. The methods defined herein are applicable for JTA configuration at the domain level.

Syntax

```
<!ELEMENT JTA EMPTY >

<!ATTLIST JTA
  AbandonTimeoutSeconds      CDATA          "86400"
  BeforeCompletionIterationLimit
                              CDATA          "10"
  CheckpointIntervalSeconds  CDATA          "300"
  ForgetHeuristics           (true | false) "true"
  MaxTransactions             CDATA          "10000"
  MaxUniqueNameStatistics    CDATA          "1000"
  Name                        CDATA          #REQUIRED
  Notes                       CDATA          #IMPLIED
  TimeoutSeconds             CDATA          "30"
>
```

Parent Elements

The JTA element is a child of the [Domain](#) element.

Attributes

Table 44-1 JTAMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AbandonTimeoutSeconds	The transaction abandon timeout in seconds.	<i>Default:</i> 86400 <i>Minimum:</i> 1 <i>Maximum:</i> java.lang.Integer.MAX_VALUE	Abandon Timeout Seconds
BeforeCompletionIterationLimit	The maximum number of cycles the transaction manager will perform the beforeCompletion synchronization callback. Nothing prevents a Synchronization object from registering another during beforeCompletion, even those whose beforeCompletions have already been called. For example, an EJB can call another in its ejbStore() method. To accomodate this, the transaction manager calls all Synchronization objects, then repeats the cycle if new ones have been registered. This count sets a limit to the number of cycles that can happen.	<i>Default:</i> 10 <i>Minimum:</i> 1 <i>Maximum:</i> java.lang.Integer.MAX_VALUE	Before Completion Iteration Limit
CheckpointIntervalSeconds	Interval at which the transaction manager creates a new transaction log file and checks all old transaction log files to see if they are ready to be deleted. Default is 300 seconds (5 minutes); minimum is 10 seconds; maximum is 1800 seconds (30 minutes).	<i>Default:</i> 300 <i>Minimum:</i> 10 <i>Maximum:</i> 1800	Checkpoint Interval Seconds
ForgetHeuristics	Returns a boolean indicating whether the transaction manager will automatically perform an XAResource forget operation for transaction heuristic completions.	<i>Default:</i> true	Forget Heuristics

Table 44-1 JTAMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MaxTransactions	The maximum number of simultaneous in-progress transactions allowed on a server.	<i>Default:</i> 10000 <i>Minimum:</i> 1 <i>Maximum:</i> java.lang.Integer.MAX_VALUE	Max Transactions
MaxUniqueNameStatistics	The maximum number of unique transaction names for which statistics will be maintained. A transaction name typically represents a category of business transactions (such as "funds-transfer")	<i>Default:</i> 1000 <i>Minimum:</i> 0 <i>Maximum:</i> java.lang.Integer.MAX_VALUE	Max Unique Name Statistics
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
TimeoutSeconds	The transaction timeout in seconds.	<i>Default:</i> 30 <i>Minimum:</i> 1 <i>Maximum:</i> java.lang.Integer.MAX_VALUE	Timeout Seconds

45 JTAMigratableTarget

Description

The target that is used internally to register the JTA recovery manager to the Migration Manager.

Syntax

```
<!ELEMENT JTAMigratableTarget EMPTY >

<!ATTLIST JTAMigratableTarget
  HostingServer    CDATA    #IMPLIED
  Name             CDATA    #REQUIRED
  Notes           CDATA    #IMPLIED
>
```

Parent Elements

The JTAMigratableTarget element is a child of the [Domain](#) element.

Attributes

Table 45-1 JTAMigratableTargetMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
HostingServer	The server that currently hosts the migratable target.		Hosting Server
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name

45 *JTAMigratableTarget*

Table 45-1 JTAMigratableTargetMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Notes	Optional information that you can include to describe this configuration.		Notes

46 JTARecoveryService

Description

Private MBean used by JTA Recovery Service for notification to backup server that primary server is coming up.

Syntax

```
<!ELEMENT JTARecoveryService EMPTY >
<!ATTLIST JTARecoveryService
  Name          CDATA          #REQUIRED
  Notes         CDATA          #IMPLIED
>
```

Parent Elements

The JTARecoveryService element is a child of the [Domain](#) element.

Attributes

Table 46-1 JTARecoveryServiceMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

47 LDAPRealm

Syntax

```

<!ELEMENT LDAPRealm EMPTY >

<!ATTLIST LDAPRealm
  AuthProtocol          (none | simple |
                        CRAM-MD5)          "none"
  Credential            CDATA              #IMPLIED
  GroupDN               CDATA              ""
  GroupIsContext        (true | false)     "true"
  GroupNameAttribute    CDATA              "cn"
  GroupUsernameAttribute CDATA            "member"
  LDAPURL               CDATA              "ldap://ldapserver:389"
  LdapProvider          CDATA              "com.sun.jndi.ldap.LdapCtxFactory"
  Name                  CDATA              #REQUIRED
  Notes                 CDATA              #IMPLIED
  Principal             CDATA              #IMPLIED
  RealmClassName        CDATA              #IMPLIED
  SSLEnable             (true | false)     "false"
  UserAuthentication    (bind | external |
                        local)            "bind"
  UserDN                CDATA              ""
  UserNameAttribute     CDATA              #IMPLIED
  UserPasswordAttribute CDATA              "userpassword"
>

```

Parent Elements

The LDAPRealm element is a child of the [Domain](#) element.

Attributes

Table 47-1 LDAPRealmMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AuthProtocol	<p>Defines the type of authentication used to authenticate the LDAP server. Set the attribute to one of the following:</p> <ul style="list-style-type: none"> ■ None for no authentication. ■ Simple for password authentication. ■ CRAM-MD5 for certificate authentication. <p>Netscape Directory Server supports CRAM-MD5. Microsoft Site Server and Novell NDS support simple.</p>	<p><i>Default:</i> "none"</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none"> ■ "none" ■ "simple" ■ "CRAM-MD5" 	Auth Protocol
Credential	The password that authenticates the LDAP user defined in the Principal attribute. This password is automatically encrypted.	<i>Default:</i> null	Credential
GroupDN	The list of attributes that, when combined with the attribute named in the <code>groupNameAttribute</code> attribute, uniquely identifies a group in the LDAP directory.	<i>Default:</i>	Group DN
GroupIsContext	<p>Specifies how group membership is recorded in the LDAP directory.</p> <p>Set to true if each group entry contains one user.</p> <p>Set to false if there is one group entry containing an attribute for each group member.</p>	<i>Default:</i> true	Group Is Context
GroupNameAttribute	The name of a group in the LDAP directory. It is usually the common name.	<i>Default:</i> "cn"	Group Name Attribute
GroupUsernameAttribute	The name of the attribute that contains a group member in a group entry.	<i>Default:</i> "member"	Group Username Attribute

Table 47-1 LDAPRealmMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
LDAPURL	<p>The location of the LDAP server. Change the URL to the name of the computer on which the LDAP server is running and the number of the port at which the LDAP server is listening.</p> <p>If you want WebLogic Server to connect to the LDAP server using the SSL protocol, use the SSL port of the LDAP server in the server URL.</p>	<i>Default:</i> "ldap://ldapse rver:389"	LDAPURL
LdapProvider	<p>The name of the class that implements an LDAP directory server. This attribute allows you to use an LDAP directory server other than the one supplied by Sun Microsystems. WebLogic Server supports the following LDAP directory servers: Open LDAP, Netscape iPlanet, Microsoft Site Server, and Novell NDs.</p>	<i>Default:</i> "com.sun.jndi. ldap.LdapCtxFa ctory"	Ldap Provider
Name	<p>The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.</p>		Name
Notes	<p>Optional information that you can include to describe this configuration.</p>		Notes
Principal	<p>The distinguished name of the LDAP user that WebLogic Server uses to connect to the LDAP server. This user must be able to list LDAP users and groups.</p>	<i>Default:</i> null	Principal
RealmClassName			Realm Class Name

Table 47-1 LDAPRealmMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
SSLEnable	<p>Enables the use of the SSL protocol to protect communications between the LDAP server and WebLogic Server. Keep in mind the following:</p> <ul style="list-style-type: none"> ■ Disable this attribute if the LDAP server is not configured to use the SSL protocol. ■ If you set the User Authentication attribute to <code>external</code>, this attribute must be enabled. 	<i>Default:</i> <code>false</code>	Enable SSL
UserAuthentication	<p>Determines the method for allowing or denying a user the right to communicate with WebLogic Server. Set this attribute to one of the following values:</p> <ul style="list-style-type: none"> ■ Bind--The LDAP security realm retrieves user data, including the password for the LDAP server, and checks the password in WebLogic Server. ■ External--The LDAP security realm authenticates a user by attempting to bind to the LDAP server with the username and password supplied by the WebLogic client. ■ Local--The LDAP security realm authenticates a user by looking up the UserPassword attribute in the LDAP directory and checking its value against a set of passwords in WebLogic Server. 	<p><i>Default:</i> <code>"bind"</code></p> <p><i>Valid values:</i></p> <ul style="list-style-type: none"> ■ <code>"bind"</code> ■ <code>"external"</code> ■ <code>"local"</code> 	User Authentication

Table 47-1 LDAPRealmMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
UserDN	<p>A list of attributes that, when combined with the attribute named in the <code>userNameAttribute</code> attribute, uniquely identifies a user in the LDAP directory.</p> <p>When specifying this attribute, use the following format: <code>ou=Barb.Klock, u=acme.com</code></p>	<i>Default:</i>	User DN
UserNameAttribute	The login name of a user for the LDAP directory. The value of this attribute can be the common name of a user in the LDAP directory. However, it is generally an abbreviated string, such as a User ID.		User Name Attribute
UserPasswordAttribute	If the <code>userAuthentication</code> attribute is set to <code>local</code> , this attribute finds the attribute in the LDAP user objects that contains the passwords of the LDAP users.	<i>Default:</i> "userpassword"	User Password Attribute

48 Log

Description

Configures the location, file-rotation criteria, and number of files that a WebLogic Server uses to store log messages. The methods in this class configure both server and domain log files.

Syntax

```
<!ELEMENT Log EMPTY >

<!ATTLIST Log
  FileCount          CDATA          "7"
  FileMinSize       CDATA          "500"
  FileName          CDATA          "weblogic.log"
  FileTimeSpan      CDATA          "24"
  Name              CDATA          #REQUIRED
  Notes             CDATA          #IMPLIED
  NumberOfFilesLimited (true | false) "false"
  RotationTime      CDATA          "00:00"
  RotationType      (bySize | byTime |
                    none)          "none"
>
```

Parent Elements

The Log element can be a child of these elements:

- [Domain](#)
- [Server](#)

Attributes

Table 48-1 LogMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
FileCount	The maximum number of log files that the server creates when it rotates the log. Only valid if <code>isNumberOfFilesLimited</code> is true and <code>setRotationType</code> is either <code>Size</code> or <code>Time</code> .	<i>Default:</i> 7	File Count
FileMinSize	The maximum size (in kilobytes) of the log file. After the log file reaches this size, the server renames it as <code>FileName.n</code> .	<i>Default:</i> 500 <i>Minimum:</i> 1 <i>Maximum:</i> 65535 <i>Units:</i> kilobytes	File Min Size

Table 48-1 LogMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
FileName	<p>The name of the file that stores current log messages. If the pathname is not absolute, the path is assumed to be relative to the root directory of the machine on which the server is running.</p> <p>If the name does not include a path element, then pathname will be computed as follows:</p> <ul style="list-style-type: none">■ For a server log file, ./<i>SERVER_NAME</i>■ For a domain log file, ./ <p>If neither file name nor pathname is specified, then the name is computed as follows:</p> <ul style="list-style-type: none">■ For a server log file, ./<i>SERVER_NAME/SERVER_NAME</i>.log■ For a domain log file, ./<i>DOMAIN_NAME</i>.log <p>If you enable the server to rotate messages across multiple files, this value is the base name for the files that store old messages: <i>FileNamen</i>.</p>	<p><i>Default:</i> "weblogic.log"</p>	File Name
FileTimeSpan	<p>The interval (in hours) at which the server saves old log messages to another file. This value is relevant only you use the time-based rotation type.</p>	<p><i>Default:</i> 24 <i>Minimum:</i> 1 <i>Units:</i> hours</p>	File Time Span
Name	<p>The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.</p>		Name
Notes	<p>Optional information that you can include to describe this configuration.</p>		Notes

Table 48-1 LogMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
NumberOfFilesLimited	Limits the number of files that a server creates to store old messages to the maximum number specified in <code>FileCount</code> . After the server reaches this limit, it overwrites the oldest file. If you do not enable this option, the server creates new files indefinitely. You must clean up these files as you require. This value is relevant only if you specify a file rotation type of <code>SIZE</code> or <code>TIME</code> .	<i>Default:</i> <code>false</code>	Number Of Files Limited
RotationTime	Determines the start time for a time-based rotation sequence. At the time that this value specifies, the server renames the current log file as <code>FileName.n</code> . Thereafter, the server renames the log file at an interval that you specify in <code>FileTimeSpan</code> . You can create a recurring start time such as "every Monday at 09:00" or a non-recurring start time such as "9 January, 2002, 09:00." Use the following <code>java.text.SimpleDateFormat</code> format to specify a date and time: <code>MM-dd-yyyy-k:mm:ss</code> . For information about this format, refer to the J2EE Javadoc . If the date that you specify has already past, then the day in week (E), hour in day (H), minute in hour (m) and second in minute (s) are used with the current date to recalculate a start time.	<i>Default:</i> <code>00:00</code>	Rotation Time

Table 48-1 LogMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
RotationType	<p>Criteria for moving old log messages to a separate file:</p> <ul style="list-style-type: none">■ None. Messages accumulate in a single file. You must erase the contents of the file when the size is unwieldy.■ Size. When the log file reaches the size that you specify in <code>FileMinSize</code>, the server renames the file as <code>FileName.n</code>.■ Time. At each time interval that you specify in <code>TimeSpan</code>, the server renames the file as <code>FileName.n</code>. <p>After the server renames a file, subsequent messages accumulate in a new file with the name that you specified in <code>FileName</code>.</p>	<p><i>Default:</i> "none"</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none">■ "bySize"■ "byTime"■ "none"	Rotation Type

49 Machine

Description

This bean represents a machine on which servers may be booted. A server is bound to a machine by calling to `ServerMBean.setMachine()`. Although it is typical that one `MachineMBean` refers to one physical machine and vice versa, it is possible to have a multihomed machine represented by multiple `MachineMBeans`. The only restriction is that each `MachineMBean` be configured with non-overlapping addresses. A configuration may contain one or more of `MachineMBeans` which may be looked up by their logical names.

Syntax

```
<!ELEMENT Machine ( NodeManager? )* >

<!ATTLIST Machine
  Addresses          CDATA          #IMPLIED
  Name               CDATA          #REQUIRED
  Notes              CDATA          #IMPLIED
>
```

Parent Elements

The `Machine` element is a child of the [Domain](#) element.

Attributes

Table 49-1 MachineMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Addresses	The addresses by which this machine is known. May be either host names of literal IP addresses.		Address
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

50 MailSession

Description

The MBean for a MailSession resource manager connection factory.

Syntax

```
<!ELEMENT MailSession EMPTY >

<!ATTLIST MailSession
  DeploymentOrder      CDATA          "1000"
  JNDIName              CDATA          #IMPLIED
  Name                  CDATA          #REQUIRED
  Notes                 CDATA          #IMPLIED
  Properties            CDATA          #IMPLIED
  Targets               CDATA          #IMPLIED
>
```

Parent Elements

The MailSession element is a child of the [Domain](#) element.

Attributes

Table 50-1 MailSessionMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647</p>	Deployment Order
JNDIName			JNDIName
Name	<p>The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.</p>		Name
Notes	<p>Optional information that you can include to describe this configuration.</p>		Notes
Properties			Properties (key=value)
Targets	<p>The targets in the current domain on which this item can be deployed.</p>		Targets

51 MessagingBridge

Description

This class represents a messaging bridge, which is responsible for transferring messages between any two messaging products--including separate implementations of WebLogic JMS.

Specifically, you can configure a source/target mapping of a JMS destination (queue or topic) to another JMS destination. Messages that are sent to the source bridge destination are then automatically forwarded to the target bridge destination. The messaging bridge also allows you to specify a degree of QOS (quality of service), as well as message filtering, transaction semantics, and connection policies.

Syntax

```
<!ELEMENT MessagingBridge EMPTY >

<!ATTLIST MessagingBridge
  AsyncEnabled          (true | false)          "true"
  BatchInterval         CDATA                   "-1"
  BatchSize             CDATA                   "10"
  DeploymentOrder       CDATA                   "1000"
  DurabilityEnabled     (true | false)          "true"
  IdleTimeMaximum       CDATA                   "60"
  Name                  CDATA                   #REQUIRED
  Notes                 CDATA                   #IMPLIED
  QOSDegradationAllowed (true | false)          "false"
  QualityOfService      (Exactly-once |
                        Atmost-once |
                        Duplicate-okay)         "Exactly-once"
  ReconnectDelayIncrease CDATA                   "5"
  ReconnectDelayMaximum CDATA                   "60"
  ReconnectDelayMinimum CDATA                   "15"
  Selector              CDATA                   #IMPLIED
  SourceDestination     CDATA                   #IMPLIED
  Started               (true | false)          "true"
```

51 MessagingBridge

```
TargetDestination      CDATA      #IMPLIED
Targets                CDATA      #IMPLIED
TransactionTimeout     CDATA      " 30 "
```

>

Parent Elements

The MessagingBridge element is a child of the [Domain](#) element.

Attributes

Table 51-1 MessagingBridgeMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AsyncEnabled	<p>Indicates whether or not the messaging bridge will work in asynchronous messaging mode.</p> <p><i>Note:</i> This attribute only applies to messaging bridges whose source destination supports asynchronous receiving.</p> <p>Messaging bridges that work in asynchronous mode (true) are driven by the source target. The messaging bridge listens for messages and forwards them as they arrive. When the value is set to false, the bridge is forced to work in synchronous mode, even if the source supports asynchronous receiving.</p> <p><i>Note:</i> For a messaging bridge with a QOS of <i>Exactly-once</i> to work in asynchronous mode, the source destination has to support the MDBTransaction interface. Otherwise, the bridge will automatically switch to synchronous mode if it detects that MDBTransactions are not supported by the source destination.</p>	<i>Default:</i> true	Asynchronous Mode Enabled

Table 51-1 MessagingBridgeMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
BatchInterval	<p>Defines the maximum time, in milliseconds, that the bridge will wait before sending a batch of messages in one transaction, regardless of whether the Batch Size amount has been reached or not.</p> <p><i>Note:</i>This attribute only applies to bridges that work in synchronous mode and whose QOS require two-phase transactions.</p>	<i>Default:</i> -1	Batch Interval (milliseconds)
BatchSize	<p>Specifies the number of messages that are processed within one transaction.</p> <p><i>Note:</i>This attribute only applies to bridges that work in synchronous mode and whose QOS require two-phase transactions.</p>	<i>Default:</i> 10 <i>Minimum:</i> 0	Batch Size
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<i>Default:</i> 1000 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647	Deployment Order

Table 51-1 MessagingBridgeMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DurabilityEnabled	<p>Indicates whether or not the messaging bridge allows durable messages.</p> <p>This only applies to a source destination that uses durable subscriptions, which allows the source JMS implementation to save messages that are sent to it while the bridge is not running. The bridge will forward these messages to the target destination when it is restarted. The administrator can choose not to be durable.</p>	<i>Default:</i> true	Durability Enabled
IdleTimeMaximum	<p>Defines the maximum amount of idle time for the messaging bridge.</p> <p>If the bridge works in <i>asynchronous mode</i>, the maximum idle time defines the longest time the bridge will stay idle before it checks the sanity of its connection to the source.</p> <p>If the bridge works in <i>synchronous mode</i>, the maximum idle time defines the amount of time the bridge can block on a receive call if no transaction is involved.</p>	<p><i>Default:</i> 60</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 9223372036854775807</p>	Maximum Idle Time (milliseconds)
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
QOSDegradationAllowed	Indicates whether or not the bridge allows the degradation of its QOS when the configured QOS is not available.	<i>Default:</i> false	QOS Degradation Allowed

Table 51-1 MessagingBridgeMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
QualityOfService	<p>Defines one of the following QOS (quality of service) values for the messaging bridge:</p> <p><i>Exactly-once</i> Each message in the source destination will be transferred to the target exactly once. This is the highest QOS a bridge can offer.</p> <p><i>Atmost-once</i> One message in the source will be transferred to the target only once with the possibility of being lost during the forwarding.</p> <p><i>Duplicate-okay</i> Messages in the source will not get lost but some may appear in the target more than once.</p>	<p><i>Default:</i> "Exactly-once"</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none"><li>■ "Exactly-once"<li>■ "<li>■ "Atmost-once"<li>■ "Duplicate-okay"	Quality Of Service

Table 51-1 MessagingBridgeMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ReconnectDelayIncrease	<p>Defines an incremental delay time, in milliseconds, that the messaging bridge will wait longer between one failed reconnection attempt and the next retry.</p> <p>This attribute works with the <code>ReconnectDelayMinimum</code> and <code>ReconnectionDelayMaximum</code> attributes. After the first failure to connect to a destination, the bridge will wait for the number of seconds defined by <code>ReconnectionDelayMinimum</code>.</p> <p>Each time a reconnect attempt fails, the bridge will increase its waiting time by the number of seconds defined by <code>ReconnectDelayIncrease</code>. The maximum delay time is defined by <code>ReconnectionDelayMaximum</code>.</p> <p>Once the waiting time is increased to the maximum value, the bridge will not increase its waiting time anymore.</p> <p>Once the bridge successfully connects to the destination, its waiting time will be reset to the minimum value defined by <code>ReconnectionDelayMinimum</code>.</p>	<p><i>Default:</i> 5</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Incremental Delay (seconds)

Table 51-1 MessagingBridgeMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ReconnectDelayMaximum	<p>Defines the longest time, in seconds, that the messaging bridge will wait between one failed attempt to reconnect to the source or target and the next retry.</p> <p>This attribute works with the ReconnectDelayMinimum and ReconnectionDelayIncrement attributes. After the first failure to connect to a destination, the bridge will wait for the number of seconds defined by ReconnectionDelayMinimum.</p> <p>Each time a reconnect attempt fails, the bridge will increase its waiting time by the number of milliseconds defined by ReconnectDelayIncrement. The maximum delay time is defined by ReconnectionDelayMaximum.</p> <p>Once the waiting time is increased to the maximum value, the bridge will not increase its waiting time anymore.</p> <p>Once the bridge successfully connects to the destination, its waiting time will be reset to the initial value defined by ReconnectionDelayMinimum.</p>	<p><i>Default:</i> 60</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Maximum Delay (seconds)

Table 51-1 MessagingBridgeMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ReconnectDelayMinimum	<p>Defines the minimum amount of time, in seconds, that the messaging bridge will wait before it tries to reconnect to the source or target destination after a failure.</p> <p>This attribute works with the <code>ReconnectDelayMaximum</code> and <code>ReconnectionDelayInterval</code> attributes. After the first failure to connect to a destination, the bridge will wait for the number of seconds defined by <code>ReconnectionDelayMinimum</code>.</p> <p>If the second trial also fails, it will increase its waiting time by the number of seconds defined by <code>ReconnectDelayInterval</code>. The maximum delay time is defined by <code>ReconnectionDelayMaximum</code>.</p> <p>Once the waiting time is increased to the maximum value, the bridge will not increase its waiting time anymore.</p> <p>Once the bridge successfully connects to the destination, its waiting time will be reset to the initial value defined by <code>ReconnectionDelayMinimum</code>.</p>	<p><i>Default:</i> 15</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 9223372036854775807</p>	Minimum Delay (seconds)
Selector	<p>Defines the message selector for the messaging bridge.</p> <p>The message selector allows you to filter the messages that are sent across the messaging bridge. Only messages that match the selection criteria are sent across the messaging bridge. For queues, messages that do not match the selection criteria are left behind and accumulate in the queue. For topics, messages that do not match the connection criteria are dropped.</p>		Selector

Table 51-1 MessagingBridgeMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
SourceDestination	Defines the source destination for the messaging bridge. This must be an instance of either BridgeDestinationMBean or JMSBridgeDestinationMBean, which define the source destination from which the bridge reads messages.	<i>Default:</i> null	Source Destination
Started	Indicates the "started" and "stopped" state of the messaging bridge. If the value is true, the bridge is in working condition. If the value is false, the bridge is temporarily stopped.	<i>Default:</i> true	Started
TargetDestination	Defines the target destination for the messaging bridge. This must be an instance of either BridgeDestinationMBean or JMSBridgeDestinationMBean, which define the target destination to which the bridge sends the messages it receives from the source destination.	<i>Default:</i> null	Target Destination
Targets	The targets in the current domain on which this item can be deployed.		Targets
TransactionTimeout	Defines the amount of time, in seconds, that the transaction manager will wait for each transaction before timing it out. Transaction timeouts are used when the QOS for a bridge requires transactions. If a bridge is configured with <i>Exactly-once</i> QOS, the receiving and sending is completed in one transaction.	<i>Default:</i> 30 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647	Transaction Timeout

52 MigratableRMIService

Description

TEST SERVICE FOR MIGRATABLE SERVICES

Syntax

```
<!ELEMENT MigratableRMIService EMPTY >

<!ATTLIST MigratableRMIService
  DeploymentOrder      CDATA          "1000"
  Name                  CDATA          #REQUIRED
  Notes                 CDATA          #IMPLIED
  Targets               CDATA          #IMPLIED
>
```

Parent Elements

The MigratableRMIService element is a child of the [Domain](#) element.

Attributes

Table 52-1 MigratableRMIServiceMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Deployment Order
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
Targets	The targets in the current domain on which this item can be deployed.		Targets

53 NetworkAccessPoint

Description

A server can fine-tune its network channel settings by using a `NetworkAccessPointMBean`. The `NetworkAccessPointMBean` is also used to set the listen address and external DNS name that a server uses for a particular channel.

Syntax

```
<!ELEMENT NetworkAccessPoint EMPTY >

<!ATTLIST NetworkAccessPoint
  AcceptBacklog           CDATA           "-1"
  CompleteCOMMessageTimeout CDATA           "-1"
  CompleteHTTPMessageTimeout CDATA           "-1"
  CompleteT3MessageTimeout CDATA           "-1"
  ListenAddress           CDATA           #IMPLIED
  ListenPort              CDATA           "-1"
  LoginTimeoutMillis      CDATA           "-1"
  LoginTimeoutMillisSSL   CDATA           "-1"
  Name                    CDATA           #REQUIRED
  Notes                   CDATA           #IMPLIED
  SSLListenPort           CDATA           "-1"
  TunnelingClientPingSecs CDATA           "-1"
  TunnelingClientTimeoutSecs CDATA           "-1"
>
```

Parent Elements

The `NetworkAccessPoint` element is a child of the [Server](#) element.

Attributes

Table 53-1 NetworkAccessPointMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AcceptBacklog	Allowed backlog of connection requests on the listen port. -1 implies that this value is inherited from the channel.	<i>Default:</i> -1 <i>Minimum:</i> -1	Accept Backlog
CompleteCOMMessageTimeout	The maximum number of seconds spent waiting for a complete COM message to be received. This attribute helps guard against denial of service attacks in which a caller indicates that they will be sending a message of a certain size which they never finish sending. -1 implies that this value is inherited from the channel.	<i>Default:</i> -1 <i>Minimum:</i> -1 <i>Maximum:</i> 480 <i>Units:</i> seconds	COM Message Timeout
CompleteHTTPMessageTimeout	The maximum number of seconds spent waiting for a complete HTTP message to be received. This attribute helps guard against denial of service attacks in which a caller indicates that they will be sending a message of a certain size which they never finish sending. -1 implies that this value is inherited from the channel.	<i>Default:</i> -1 <i>Minimum:</i> -1 <i>Maximum:</i> 480 <i>Units:</i> seconds	HTTP Message Timeout
CompleteT3MessageTimeout	The maximum number of seconds spent waiting for a complete T3 message to be received. This attribute helps guard against denial of service attacks in which a caller indicates that they will be sending a message of a certain size which they never finish sending. -1 implies that this value is inherited from the channel.	<i>Default:</i> -1 <i>Minimum:</i> -1 <i>Maximum:</i> 480 <i>Units:</i> seconds	T3 Message Timeout
ListenAddress	A value of null indicates that this value is inherited from the server.	<i>Default:</i> null	Listen Address
ListenPort	The plaintext (non-SSL) listen port for the channel. -1 implies that this value is inherited from the channel.	<i>Default:</i> -1	Listen Port

Table 53-1 NetworkAccessPointMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
LoginTimeoutMillis	The login timeout for the server, in milliseconds. This value must be equal to or greater than 0. -1 implies that this value is inherited from the channel.	<i>Default:</i> -1 <i>Minimum:</i> -1 <i>Maximum:</i> 100000 <i>Units:</i> milliseconds	Login Timeout
LoginTimeoutMillis SSL	The number of milliseconds that WebLogic Server waits for an SSL connection before timing out. SSL connections take longer to negotiate than regular connections. If clients are connecting over the Internet, raise the default number to accommodate additional network latency. A value of 0 disables the attribute. -1 implies that this value is inherited from the channel.	<i>Default:</i> -1 <i>Minimum:</i> -1 <i>Maximum:</i> <code>java.lang.Integer.MAX_VALUE</code> <i>Units:</i> milliseconds	SSL Login Timeout
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
SSLListenPort	The SSL listen port for the channel. -1 implies that this value is inherited from the channel.	<i>Default:</i> -1	SSL Listen Port
TunnelingClientPing Secs	Interval (in seconds) at which to ping an http-tunneled client to see if its still alive. -1 implies that this value is inherited from the channel.	<i>Default:</i> -1 <i>Units:</i> seconds	Tunneling Client Ping
TunnelingClientTimeoutSecs	Duration (in seconds) after which a missing http-tunneled client is considered dead. -1 implies that this value is inherited from the channel.	<i>Default:</i> -1 <i>Units:</i> seconds	Tunneling Client Timeout

54 NetworkChannel

Description

This MBean defines a network channel. A network channel is used to configure additional ports for a server beyond its default listen ports. Network channels do not support IIOP.

A network channel can be targeted at multiple clusters and servers. Targeting a channel at a cluster targets it at every server that is a member of that cluster. A server can support multiple channels. A server can fine-tune its network channel settings by using a NetworkAccessPointMBean. The NetworkAccessPointMBean also servers to set the listen address and external DNS name that a server uses for a particular channel.

A server serves up to three default listen ports: ServerMBean ListenPort, ServerMBean AdministrationPort, and SSLMBean ListenPort. The default listen ports form implicit channel(s) of weight 50.

A network channel also defines the creation of server-to-server connections. If a server is initiating a new connection to another server, the highest weighted common (same named) channel that supports the desired protocol is used to determine which port to contact.

Syntax

```
<!ELEMENT NetworkChannel EMPTY >

<!ATTLIST NetworkChannel
  AcceptBacklog           CDATA           "50"
  BoundOutgoingEnabled   (true | false)   "false"
  COMEnabled              (true | false)   "false"
  ChannelWeight           CDATA           "50"
  ClusterAddress          CDATA           #IMPLIED
  CompleteCOMMessageTimeout CDATA           "60"
  CompleteHTTPMessageTimeout CDATA           "60"
```

```

CompleteT3MessageTimeout    CDATA                "60"
DeploymentOrder              CDATA                "1000"
Description                  CDATA                #IMPLIED
HTTPEnabled                  (true | false)     "false"
HTTPSEnabled                 (true | false)     "false"
ListenPort                   CDATA                "8001"
ListenPortEnabled            (true | false)     "false"
LoginTimeoutMillis           CDATA                "5000"
LoginTimeoutMillisSSL        CDATA                "25000"
MaxCOMMessageSize            CDATA                "10000000"
MaxHTTPMessageSize           CDATA                "10000000"
MaxT3MessageSize             CDATA                "10000000"
Name                         CDATA                #REQUIRED
Notes                        CDATA                #IMPLIED
OutgoingEnabled              (true | false)     "true"
SSLListenPort                CDATA                "8002"
SSLListenPortEnabled         (true | false)     "false"
T3Enabled                    (true | false)     "false"
T3SEnabled                   (true | false)     "false"
Targets                      CDATA                #IMPLIED
TunnelingClientPingSecs      CDATA                "45"
TunnelingClientTimeoutSecs   CDATA                "40"
TunnelingEnabled              (true | false)     "false"
>

```

Parent Elements

The NetworkChannel element is a child of the [Domain](#) element.

Attributes

Table 54-1 NetworkChannelMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AcceptBacklog	Allowed backlog of connection requests on the listen port(s). Individual servers may override this value using a NetworkAccessPointMBean. Setting the backlog to 0 may prevent accepting any incoming connection on some of the OS.	<i>Default:</i> 50 <i>Minimum:</i> 0	Accept Backlog

Table 54-1 NetworkChannelMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
BoundOutgoingEnabled	Bind new outgoing server side T3 or T3S connections to the server channel's listen address. Other protocols ignore this field. This field is ignored for connections initiated via URLs, it takes effect if and only if the connection was initiated by accessing a remote reference (such as an EJB or RMI stub.)	<i>Default:</i> false	Bound Outgoing Enabled
COMEnabled	Whether or not plaintext (non-SSL) COM traffic is enabled.	<i>Default:</i> false	COM Enabled
ChannelWeight	A weight to give this channel when creating server-to-server connections.	<i>Default:</i> 50 <i>Minimum:</i> 1 <i>Maximum:</i> 100	Channel Weight
ClusterAddress	This channel's cluster address. If this is not set, the cluster address from the cluster configuration is used in its place.	<i>Default:</i> null	Cluster Address
CompleteCOMMessageTimeout	The maximum number of seconds spent waiting for a complete COM message to be received. This attribute helps guard against denial of service attacks in which a caller indicates that they will be sending a message of a certain size which they never finish sending. Individual servers may override this value using a NetworkAccessPointMBean.	<i>Default:</i> 60 <i>Minimum:</i> 0 <i>Maximum:</i> 480 <i>Units:</i> seconds	Complete COM Message Timeout
CompleteHTTPMessageTimeout	The maximum number of seconds spent waiting for a complete HTTP message to be received. This attribute helps guard against denial of service attacks in which a caller indicates that they will be sending a message of a certain size which they never finish sending. Individual servers may override this value using a NetworkAccessPointMBean.	<i>Default:</i> 60 <i>Minimum:</i> 0 <i>Maximum:</i> 480 <i>Units:</i> seconds	Complete HTTP Message Timeout

Table 54-1 NetworkChannelMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
CompleteT3MessageTimeout	The maximum number of seconds spent waiting for a complete T3 message to be received. This attribute helps guard against denial of service attacks in which a caller indicates that they will be sending a message of a certain size which they never finish sending. Individual servers may override this value using a NetworkAccessPointMBean.	<i>Default:</i> 60 <i>Minimum:</i> 0 <i>Maximum:</i> 480 <i>Units:</i> seconds	Complete T3 Message Timeout
DeploymentOrder	A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs. Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.	<i>Default:</i> 1000 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647	Deployment Order
Description	Optional short description of this channel for console display purposes. For long descriptions, use the "Notes" field.	<i>Default:</i> null	Description
HTTPEnabled	Whether or not plaintext (non-SSL) HTTP traffic is enabled.	<i>Default:</i> false	HTTP Enabled
HTTPSEnabled	Whether or not secure (SSL) HTTP traffic is enabled.	<i>Default:</i> false	HTTPS Enabled

Table 54-1 NetworkChannelMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ListenPort	The plaintext (non-SSL) listen port for the channel. Individual servers may override this value, but may not enable the port if disabled here and may not disable the port if enabled here. Individual servers may override this value using a NetworkAccessPointMBean.	<i>Default:</i> 8001 <i>Minimum:</i> 1 <i>Maximum:</i> 65534	Listen Port
ListenPortEnabled	Whether or not plaintext port is enabled for the channel.	<i>Default:</i> false	Listen Port Enabled
LoginTimeoutMillis	The login timeout for the server, in milliseconds. This value must be equal to or greater than 0. Individual servers may override this value using a NetworkAccessPointMBean.	<i>Default:</i> 5000 <i>Minimum:</i> 0 <i>Maximum:</i> 100000 <i>Units:</i> milliseconds	Login Timeout
LoginTimeoutMillis SSL	The number of milliseconds that WebLogic Server waits for an SSL connection before timing out. SSL connections take longer to negotiate than regular connections. If clients are connecting over the Internet, raise the default number to accommodate additional network latency. A value of 0 disables the attribute. Individual servers may override this value using a NetworkAccessPointMBean.	<i>Default:</i> 25000 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647 <i>Units:</i> milliseconds	SSL Login Timeout

Table 54-1 NetworkChannelMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MaxCOMMessageSize	The maximum COM message size allowable in a message header. This attribute attempts to prevent a denial of service attack whereby a caller attempts to force the server to allocate more memory than is available thereby keeping the server from responding quickly to other requests. Individual servers may override this value using a NetworkAccessPointMBean.	<i>Default:</i> 10000000 <i>Minimum:</i> 4096 <i>Maximum:</i> 2000000000 <i>Units:</i> bytes	Max COM Message Size
MaxHTTPMessageSize	The maximum HTTP message size allowable in a message header. This attribute attempts to prevent a denial of service attack whereby a caller attempts to force the server to allocate more memory than is available thereby keeping the server from responding quickly to other requests. Individual servers may override this value using a NetworkAccessPointMBean.	<i>Default:</i> 10000000 <i>Minimum:</i> 4096 <i>Maximum:</i> 2000000000 <i>Units:</i> bytes	Max HTTP Message Size
MaxT3MessageSize	The maximum T3 message size allowable in a message header. This attribute attempts to prevent a denial of service attack whereby a caller attempts to force the server to allocate more memory than is available thereby keeping the server from responding quickly to other requests. Individual servers may override this value using a NetworkAccessPointMBean.	<i>Default:</i> 10000000 <i>Minimum:</i> 4096 <i>Maximum:</i> 2000000000 <i>Units:</i> bytes	Max T3 Message Size
Name	The name of the channel. The name must not start with ".WL".		Name
Notes	Optional information that you can include to describe this configuration.		Notes

Table 54-1 NetworkChannelMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
OutgoingEnabled	Whether or not new server-to-server connections may consider this channel when initiating.	<i>Default: true</i>	Outgoing Enabled
SSLListenPort	The SSL listen port for the channel. Individual server's may override this value, but may not enable the port if disabled here and may not disable the port if enabled here. SSL must be configured and enabled for this port to work. Individual servers may override this value using a NetworkAccessPointMBean.	<i>Default: 8002</i> <i>Minimum: 1</i> <i>Maximum: 65534</i>	SSL Listen Port
SSLListenPortEnabled	Whether or not SSL port is enabled for the channel. SSL must be configured and enabled in addition to this setting for the SSL port to work.	<i>Default: false</i>	SSL Listen Port Enabled
T3Enabled	Whether or not plaintext (non-SSL) T3 traffic is enabled. Note that it is not possible to disable T3 traffic on the default channel(s).	<i>Default: false</i>	T3 Enabled
T3SEnabled	Whether or not secure T3 traffic is enabled. Note that it is not possible to disable T3 traffic on the default channel(s).	<i>Default: false</i>	T3S Enabled
Targets	The targets in the current domain on which this item can be deployed.		Targets
TunnelingClientPingSecs	Interval (in seconds) at which to ping an http-tunneled client to see if its still alive. Individual servers may override this value using a NetworkAccessPointMBean.	<i>Default: 45</i> <i>Units: seconds</i>	Tunneling Client Ping

Table 54-1 NetworkChannelMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
TunnelingClientTimeoutSecs	Duration (in seconds) after which a missing http-tunneled client is considered dead. Individual servers may override this value using a NetworkAccessPointMBean.	<i>Default:</i> 40 <i>Units:</i> seconds	Tunneling Client Timeout
TunnelingEnabled	Enables tunneling via http.	<i>Default:</i> false	Tunneling Enabled

55 NodeManager

Description

This bean represents a NodeManager that is associated with a machine.

Syntax

```
<!ELEMENT NodeManager EMPTY >

<!ATTLIST NodeManager
  Certificate          CDATA          "demo.crt "
  CertificatePassword  CDATA          "password"
  CertificateType      CDATA          "RSA"
  ErrorLog             CDATA          #IMPLIED
  ListenAddress        CDATA          "localhost"
  ListenPort           CDATA          "5555"
  Logs                 CDATA          #IMPLIED
  Name                 CDATA          #REQUIRED
  Notes                CDATA          #IMPLIED
  OutputLog            CDATA          #IMPLIED
  TrustedCertsFile     CDATA          "trusted.crt"
>
```

Parent Elements

The NodeManager element can be a child of these elements:

- [Machine](#)
- [UnixMachine](#)

Attributes

Table 55-1 NodeManagerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Certificate	The certificate file to use for secure communications with NodeManager. The path is relative to the Administration Server's root directory.	<i>Default:</i> "demo.crt"	Certificate
CertificatePassword	The certificate password used for secure communications with NodeManager.	<i>Default:</i> "password"	Certificate Password
CertificateType	The certificate type used for secure communications with the NodeManager	<i>Default:</i> "RSA"	Certificate Type
ErrorLog	The error log of a particular server.		Error Log
ListenAddress	The address on which NodeManager listens for connections.	<i>Default:</i> "localhost"	Listen Address
ListenPort	The listen port of the NodeManager	<i>Default:</i> 5555 <i>Minimum:</i> 0 <i>Maximum:</i> 65534	Listen Port
Logs	The logs of the Node Manager.		Logs
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
OutputLog	The output log of a particular server.		Output Log
TrustedCertsFile	The trusted certs file password to use for secure communication with NodeManager. The path is relative to the Administration Server's root directory.	<i>Default:</i> "trusted.crt"	Trusted Certs File

56 NTRealm

Syntax

```
<!ELEMENT NTRealm EMPTY >

<!ATTLIST NTRealm
  IgnoreBadDomainName      (true | false)          "false"
  Name                     CDATA                  #REQUIRED
  Notes                    CDATA                  #IMPLIED
  PrimaryDomain            CDATA                  #IMPLIED
  RealmClassName          CDATA                  #IMPLIED
>
```

Parent Elements

The NTRealm element is a child of the [Domain](#) element.

Attributes

Table 56-1 NTRealmMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
IgnoreBadDomainName	During initialization of NTRealm, some Domains may not be present on the network. The default configuration for this situation is to throw a SecurityException and halt server startup. This property will allow NTRealm to ignore uncontactable Primary Domain Controllers during startup with the hope that they will be reachable later on.	<i>Default:</i> false	Ignore Bad Domain Name

Table 56-1 NTRrealmMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
PrimaryDomain	The host and port number of the Windows NT Primary Domain Controller where users and groups are defined for the domain. If entering multiple sets of host and port numbers, delimit them with commas. If the local computer(where WebLogic Server executes) is the Primary Controller, you set set the attribute to period (".").	<i>Default:</i> null	Primary Domain
RealmClassName			Realm Class Name

57 PasswordPolicy

Syntax

```
<!ELEMENT PasswordPolicy EMPTY >

<!ATTLIST PasswordPolicy
  LockoutCacheSize      CDATA          "5"
  LockoutDuration       CDATA          "30"
  LockoutEnabled        (true | false) "true"
  LockoutGCThreshold    CDATA          "400"
  LockoutResetDuration  CDATA          "5"
  LockoutThreshold      CDATA          "5"
  MinimumPasswordLength CDATA          "8"
  Name                  CDATA          #REQUIRED
  Notes                 CDATA          #IMPLIED
>
```

Parent Elements

The PasswordPolicy element is a child of the [Domain](#) element.

Attributes

Table 57-1 PasswordPolicyMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
LockoutCacheSize	Size of cache of unused invalid login attempts.	<i>Default:</i> 5 <i>Minimum:</i> 0 <i>Maximum:</i> 99999	Lockout Cache Size

Table 57-1 PasswordPolicyMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
LockoutDuration	Number of minutes that a user's account remains inaccessible after being locked in response to several invalid login attempts within the amount of time specified in the <code>LockoutResetDuration</code> attribute. In order to unlock a user account, you must have the <code>unlockuser</code> permission for the Password Policy MBean.	<i>Default:</i> 30 <i>Minimum:</i> 0 <i>Maximum:</i> 999999	Lockout Duration
LockoutEnabled	Controls whether or not WebLogic Server tracks invalid login attempts and takes appropriate action.	<i>Default:</i> true	Lockout Enabled
LockoutGCThreshold	If the number of current invalid login attempts is equal to or greater than this attribute, WebLogic Server deletes any expired records from the cache. The lower the value of this attribute, the more often WebLogic Server clears the cache. This may impact the performance of WebLogic Server. Set the attribute accordingly.	<i>Default:</i> 400 <i>Minimum:</i> 0 <i>Maximum:</i> 999999	Lockout GCThreshold
LockoutResetDuration	Number of minutes within which the invalid login attempts must happen in order for the user's account to be locked. An account is locked if the number of invalid login attempts defined in the <code>LockoutThreshold</code> attribute happens within the amount of time defined by this field.	<i>Default:</i> 5 <i>Minimum:</i> 1 <i>Maximum:</i> 99999	Lockout Reset Duration

Table 57-1 PasswordPolicyMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
LockoutThreshold	Number of failed logins for a user that can be tried before that account is locked. Any subsequent attempts to access the account (even if the username/password combination is correct) cause a security exception. If a security exception occurs, the account remains locked until it is explicitly unlocked by the system administrator or another login attempt is made after the lockout duration period ends. Note that invalid login attempts must be made within a span defined by the <code>Lockout Reset Duration</code> attribute to count toward the value of the <code>Lockout Threshold</code> attribute.	<i>Default:</i> 5 <i>Minimum:</i> 1 <i>Maximum:</i> 99999	Lockout Threshold
MinimumPasswordLength	The minimum number of characters required in any domain password.	<i>Default:</i> 8 <i>Minimum:</i> 0	Minimum Password Length
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

58 RDBMSRealm

Syntax

```
<!ELEMENT RDBMSRealm EMPTY >

<!ATTLIST RDBMSRealm
  DatabaseDriver          CDATA
                        "COM.cloudscape.core.JDBCdriver"
  DatabasePassword       CDATA
                        #IMPLIED
  DatabaseURL             CDATA
                        "jdbc:cloudscape:demo;create=true;autocommit=false"
  DatabaseUserName       CDATA
                        #IMPLIED
  Name                   CDATA
                        #REQUIRED
  Notes                  CDATA
                        #IMPLIED
  RealmClassName         CDATA
                        "examples.security.rdbmsrealm.RDBMSRealm"
  SchemaProperties       CDATA
                        #IMPLIED
>
```

Parent Elements

The RDBMSRealm element is a child of the [Domain](#) element.

Attributes

Table 58-1 RDBMSRealmMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DatabaseDriver	The Java class name for the database driver used with the RDBMS security realm.	<i>Default:</i> "COM.cloudscape.core.JDBCdriver"	Driver

Table 58-1 RDBMSRealmMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DatabasePassword	The password required to log into the database.		Password
DatabaseURL	The location of the database. Change the URL to the name of the computer on which the database is running and the number of the port at which the database is listening.	<i>Default:</i> "jdbc:cloudscape:demo;create=true;autocommit=false"	URL
DatabaseUserName	The username used to login into the database.		User Name
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
RealmClassName	The name of the Java class that implements the RDBMS security realm. This class should be included in the CLASSPATH of WebLogic Server.	<i>Default:</i> "examples.security.rdbmsrealm.RDBMSRealm"	Realm Class
SchemaProperties	The schema properties (the prepared statements) for manipulating the database. Specify an open-ended properties list so that additional properties can be added to the code for the RDBMS security realm.		Schema Properties (key=value)

59 RMCFactory

Description

An RMCFactoryMBean represents a J2EE resource manager connection factory in a J2EE app. MBeans for resource manager connection factories extend this interface. For example, a MailSessionMBean.

Syntax

```
<!ELEMENT RMCFactory EMPTY >

<!ATTLIST RMCFactory
  DeploymentOrder      CDATA          "1000"
  JNDIName             CDATA          #IMPLIED
  Name                 CDATA          #REQUIRED
  Notes                CDATA          #IMPLIED
  Targets              CDATA          #IMPLIED
>
```

Parent Elements

The RMCFactory element is a child of the [Domain](#) element.

Attributes

Table 59-1 RMCFactoryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Deployment Order
JNDIName			JNDIName
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
Targets	The targets in the current domain on which this item can be deployed.		Targets

60 Security

Description

Specifies the security properties of a WebLogic domain.

Syntax

```
<!ELEMENT Security EMPTY >

<!ATTLIST Security
  AuditProviderClassName      CDATA          #IMPLIED
  CompatibilityMode           (true | false)  "false"
  ConnectionFilter            CDATA          #IMPLIED
  ConnectionFilterRules       CDATA          #IMPLIED
  ConnectionLoggerEnabled     (true | false)  "false"
  GuestDisabled               (true | false)  "true"
  Name                        CDATA          #REQUIRED
  Notes                       CDATA          #IMPLIED
  PasswordPolicy              CDATA          #IMPLIED
  Realm                       CDATA          #IMPLIED
  SystemUser                  CDATA          "system"
>
```

Parent Elements

The Security element is a child of the [Domain](#) element.

Attributes

Table 60-1 SecurityMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AuditProviderClassName			Audit Provider Class
CompatibilityMode	Specifies whether migration from a WebLogic Server 6.x security configuration is enabled.	<i>Default: false</i>	Compatibility Mode
ConnectionFilter	The name of the Java class that implements a connection filter. The connection filter must be an implementation of the <code>weblogic.security.net.ConnectionFilterinterface</code> . WebLogic Server provides a default implementation.	<i>Default: null</i>	Connection Filter

Table 60-1 SecurityMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ConnectionFilterRules	<p>The list of rules for the system connection filter. If none are specified, all connections are accepted.</p> <p>The syntax of the rules is as follows:</p> <p><ulist></p> <p>Each rule must be written on a single line in the source code.</p> <p>Tokens in a rule are separated by white space.</p> <p>A pound sign (#) is the comment character. Everything after a pound sign on a line is ignored.</p> <p>Whitespace before or after a rule is ignored.</p> <p>Lines consisting only of whitespace or comments are skipped.</p> <p>All rules have the following format:</p> <pre>targetlocalAddresslocalPortactionprotocols</pre> <p>where</p> <p>target specifies one or more servers to filter.</p> <p>localAddress defines the host address of the server. (If you specify an asterisk (*), the match returns all local IP addresses.)</p> <p>localPort defines the port on which the server is listening. (If you specify an asterisk, the match returns all available ports on the server).</p> <p>action specifies the action to perform. The value must be allow or deny).</p> <p>protocols is the list of protocol names to match. (One of the following protocols must be specified http, https, t3, t3s, giop, giops, dcom, or ftp.) If no protocol is defined, all protocols will match a rule.</p>	<i>Default:</i> null	Connection Filter Rules

Two kinds of rules are recognized:

- A fast rule applies to a hostname or

Table 60-1 SecurityMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ConnectionLoggerEnabled	Enables the logging of accepted connections. This attribute can be used by a system administrator to dynamically check the incoming connections in the log file to determine if filtering needs to be performed.	<i>Default:</i> false	Connection Logger Enabled
GuestDisabled	Specifies whether or not guest logins can be used to access WebLogic Server resources.	<i>Default:</i> true	Guest Disabled
Name	The name of the MBean.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
PasswordPolicy	The password policy.		Password Policy
Realm	The realm policies.		Realm
SystemUser	The name of the <code>systemuser</code> . This attribute must be specified.	<i>Default:</i> "system"	System User

61 SecurityConfiguration

Description

Provides domain-wide security configuration information.

Syntax

```
<!ELEMENT SecurityConfiguration EMPTY >
<!ATTLIST SecurityConfiguration
  Name          CDATA          #REQUIRED
  Notes         CDATA          #IMPLIED
>
```

Parent Elements

The SecurityConfiguration element is a child of the [Domain](#) element.

Attributes

Table 61-1 SecurityConfigurationMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

62 Server

Description

This class represents a Weblogic Server. A WebLogic Server is a Java process that is a container for J2EE applications.

Syntax

```
<!ELEMENT Server ( WebServer? | COM? | NetworkAccessPoint* | ServerStart? |
  SSL? | IIOP? | Log? | ExecuteQueue* )* >
```

```
<!ATTLIST Server
  AcceptBacklog           CDATA           "50"
  AdministrationPort     CDATA           "0"
  AutoKillIfFailed       (true | false)  "false"
  AutoRestart            (true | false)  "true"
  COMEnabled             (true | false)  "false"
  ClasspathServletDisabled (true | false)  "false"
  ClientCertProxyEnabled (true | false)  "false"
  Cluster                CDATA           #IMPLIED
  ClusterRuntime         CDATA           #IMPLIED
  ClusterWeight          CDATA           "100"
  CompleteCOMMessageTimeout CDATA          "60"
  CompleteHTTPMessageTimeout CDATA          "60"
  CompleteIIOPMessageTimeout CDATA          "60"
  CompleteT3MessageTimeout CDATA          "60"
  DefaultIIOPPassword    CDATA           #IMPLIED
  DefaultIIOPUser        CDATA           #IMPLIED
  DefaultProtocol        (t3 | t3s | http |
    https | iiop)    "t3"
  DefaultSecureProtocol  (t3s | https)   "t3s"
  DefaultTGIOPPassword   CDATA           "guest"
  DefaultTGIOPUser       CDATA           "guest"
  DomainLogFilter        CDATA           #IMPLIED
  EnabledForDomainLog    (true | false)  "true"
```

ExpectedToRun	(true false)	"true"
ExternalDNSName	CDATA	#IMPLIED
ExtraRmicOptions	CDATA	#IMPLIED
HealthCheckIntervalSeconds	CDATA	"180"
HealthCheckTimeoutSeconds	CDATA	"60"
HttpdEnabled	(true false)	"true"
IIOPEntered	(true false)	"true"
IdleIIOPEntered	CDATA	"60"
InstrumentStackTraceEnabled	(true false)	"true"
InterfaceAddress	CDATA	#IMPLIED
J2EE12OnlyModeEnabled	(true false)	"false"
JDBCLogFileNAme	CDATA	"jdbc.log"
JDBCLoggingEnabled	(true false)	"false"
JMSDefaultConnectionFactoriesEnabled	(true false)	"true"
JNDITransportableObjectFactoryList	CDATA	#IMPLIED
JavaCompiler	CDATA	"javac"
JavaCompilerPostClassPath	CDATA	#IMPLIED
JavaCompilerPreClassPath	CDATA	#IMPLIED
ListenAddress	CDATA	#IMPLIED
ListenDelaySecs	CDATA	"0"
ListenPort	CDATA	"7001"
ListenPortEnabled	(true false)	"true"
LogRemoteExceptionsEnabled	(true false)	"false"
LoginTimeout	CDATA	"1000"
LoginTimeoutMillis	CDATA	"5000"
Logs	CDATA	#IMPLIED
LowMemoryGCThreshold	CDATA	"5"
LowMemoryGranularityLevel	CDATA	"5"
LowMemorySampleSize	CDATA	"10"
LowMemoryTimeInterval	CDATA	"3600"
MSIFileReplicationEnabled	(true false)	"false"
Machine	CDATA	#IMPLIED
ManagedServerIndependenceEnabled	(true false)	"true"
MaxCOMMessageSize	CDATA	"10000000"
MaxHTTPMessageSize	CDATA	"10000000"
MaxIIOPEntered	CDATA	"10000000"
MaxOpenSockCount	CDATA	"2147483647"
MaxT3MessageSize	CDATA	"10000000"
Name	CDATA	#REQUIRED
NativeIOEnabled	(true false)	"true"
Notes	CDATA	#IMPLIED
PreferredSecondaryGroup	CDATA	#IMPLIED
ReplicationGroup	CDATA	#IMPLIED

```

RestartDelaySeconds          CDATA          "0"
RestartIntervalSeconds       CDATA          "3600"
RestartMax                   CDATA          "2"
ReverseDNSAllowed            (true | false) "false"
ServerLifeCycleTimeoutVal    CDATA          "120"
ServerVersion                CDATA          "unknown"
StagingMode                  (stage | nostage |
                             external_stage)          #IMPLIED
StartupMode                  CDATA          "RUNNING"
StdoutDebugEnabled           (true | false) "false"
StdoutEnabled                (true | false) "true"
StdoutFormat                 (standard | noid) "standard"
StdoutLogStack               (true | false) "true"
StdoutSeverityLevel          (64 | 32 | 16 | 8 | 4 |
                             2 | 1)                  "16"
StuckThreadMaxTime           CDATA          "600"
StuckThreadTimerInterval     CDATA          "600"
TGIOPEnabled                 (true | false) "false"
ThreadPoolPercentSocketReaders
                             CDATA                  "33"
TransactionLogFilePrefix     CDATA          "./"
TunnelingClientPingSecs     CDATA          "45"
TunnelingClientTimeoutSecs   CDATA          "40"
TunnelingEnabled             (true | false) "false"
UploadDirectoryName         CDATA          #IMPLIED
VerboseEJBDeploymentEnabled   CDATA          "false"
XMLEntityCache              CDATA          #IMPLIED
XMLRegistry                  CDATA          #IMPLIED

```

>

Parent Elements

The Server element can be a child of these elements:

- [Cluster](#)
- [Domain](#)
- [SNMPTrapSource](#)

Attributes

Table 62-1 ServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AcceptBacklog	Allowed backlog of new TCP connection requests for both the plaintext and SSL port. Setting the backlog to 0 may prevent accepting any incoming connection on some of the OS.	<i>Default:</i> 50 <i>Minimum:</i> 0	Accept Backlog
AdministrationPort	<p>The secure administration port for the server. The setter is used to override the same field in the DomainMBean for this server. If its value is not zero then the same field in the DomainMBean will be used for the server. This port requires SSL to be configured and enabled.</p> <p>An active administration port only allows connections with administrator credentials. Its existence also prevents any other ports on the server from accepting connections with administrator credentials.</p> <p>Supports T3S and HTTPS protocols. The managed server will require to use <code>-Dweblogic.management.server=https://admin_server:administration_port</code> to connect to the admin server</p>	<i>Default:</i> 0 <i>Minimum:</i> 0 <i>Maximum:</i> 65534	Local Administration Port Override (0: no override)
AutoKillIfFailed	Enables/Disables automatic kill of a Failed server by the Node Manager.	<i>Default:</i> false	Auto Kill If Failed
AutoRestart	Enables/Disables automatic restart of a crashed server by the Node Manager.	<i>Default:</i> true	Auto Restart
COMEnabled	Whether or not COM support is enabled on the plaintext port. (COM is not supported on the SSL port.)	<i>Default:</i> false	Enable COM

Table 62-1 ServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ClasspathServletDisabled	The ClasspathServlet will serve any class file in the classpath and is registered by default in every webapp (including management). It does not need to be turned on for many applications though, and represents a security hole if unchecked. default false		Classpath Servlet Disabled
ClientCertProxyEnabled	HttpClusterServlet will proxy the client certificate in a special header. This is a security hole if left open, as that header could be spoofed fairly easily with any certificate. The ServletRequest has that functionality turned off by default now. This will turn it back on. It's strongly suggested that it's used only in conjunction with ConnectionFilters to make certain the WebLogic proxy machine is the only one connecting. This is duplicated in CluterMBean both for compatability with wls610 as well as being able to set it cluster-wide. ClusterMBean overrides ServerMBean	<i>Default: false</i>	Client Cert Proxy Enabled
Cluster	The cluster to which this server belongs. If set, the server will listen for cluster multicast events.		Cluster
ClusterRuntime	Returns an mbean containing runtime information about the cluster which was started from this configuration mbean. Returns null if no such cluster exists.		Cluster Runtime

Table 62-1 ServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ClusterWeight	<p>Defines a value used specify the proportion of the load the server will bear relative to other servers in a cluster.</p> <p>If all servers have the default weight (100) or the same weight, each bears an equal proportion of the load. If one server has weight 50 and all other servers have weight 100, the 50-weight server will bear half as much load as any other server.</p>	<p><i>Default:</i> 100</p> <p><i>Minimum:</i> 1</p> <p><i>Maximum:</i> 100</p>	Cluster Weight
CompleteCOMMessageTimeout	<p>Specify the maximum number of seconds spent waiting for a complete COM message to be received. This attribute helps guard against denial of service attacks in which a caller indicates that they will be sending a message of a certain size which they never finish sending. This setting only applies to connections that are initiated using one of the default ports (ServerMBean setListenPort and setAdministrationPort or SSLMBean setListenPort). Connections on additional ports are tuned via the NetworkChannelMBean.</p>	<p><i>Default:</i> 60</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 480</p> <p><i>Units:</i> seconds</p>	Complete COMMessage Timeout

Table 62-1 ServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
CompleteHTTPMessageTimeout	Specify the maximum number of seconds spent waiting for a complete HTTP message to be received. This attribute helps guard against denial of service attacks in which a caller indicates that they will be sending a message of a certain size which they never finish sending. This setting only applies to connections that are initiated using one of the default ports (ServerMBean setListenPort and setAdministrationPort or SSLMBean setListenPort). Connections on additional ports are tuned via the NetworkChannelMBean.	<i>Default:</i> 60 <i>Minimum:</i> 0 <i>Maximum:</i> 480 <i>Units:</i> seconds	Complete HTTPMessage Timeout
CompleteIIOPMessageTimeout	Specify the maximum number of seconds spent waiting for a complete IIOP message to be received. This attribute helps guard against denial of service attacks in which a caller indicates that they will be sending a message of a certain size which they never finish sending.	<i>Default:</i> 60 <i>Minimum:</i> 0 <i>Maximum:</i> 480 <i>Units:</i> seconds	Complete IIOPMessage Timeout
CompleteT3MessageTimeout	Specify the maximum number of seconds spent waiting for a complete T3 message to be received. This attribute helps guard against denial of service attacks in which a caller indicates that they will be sending a message of a certain size which they never finish sending. This setting only applies to connections that are initiated using one of the default ports (ServerMBean setListenPort and setAdministrationPort or SSLMBean setListenPort). Connections on additional ports are tuned via the NetworkChannelMBean.	<i>Default:</i> 60 <i>Minimum:</i> 0 <i>Maximum:</i> 480 <i>Units:</i> seconds	Complete T3Message Timeout

Table 62-1 ServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DefaultIIOPPassword	The password for the default IIOP user.	<i>Default:</i> null	Default IIOPPassword
DefaultIIOPUser	The default IIOP user.	<i>Default:</i> null	Default IIOPUser
DefaultProtocol	The protocol to be used for connections when none is specified.	<i>Default:</i> "t3" <i>Valid values:</i> <ul style="list-style-type: none"> ■ "t3" ■ "t3s" ■ "http" ■ "https" ■ "iiop" 	Default Protocol
DefaultSecureProtocol	The protocol to be used for secure connections when none is specified.	<i>Default:</i> "t3s" <i>Valid values:</i> <ul style="list-style-type: none"> ■ "t3s" ■ "https" 	Default Secure Protocol
DefaultTGIOPPassword	The password for the default TGIOP user.	<i>Default:</i> "guest"	Default TGIOPPassword
DefaultTGIOPUser	The default TGIOP user.	<i>Default:</i> "guest"	Default TGIOPUser
DomainLogFilter	Determines which messages this server sends to the domain log. If you specify none, the server sends all messages of severity ERROR and higher. This list contains all Domain Log Filters that have been defined for the domain. A server can user only one Domain Log Filter. This property is relevant only if Log To Domain File is enabled.		Domain Log Filter
EnabledForDomainLog	Determines whether this server sends messages to the domain log (in addition to keeping its own log).	<i>Default:</i> true	Log to Domain Logfile
ExpectedToRun	If this server expected to run if the domain is started.	<i>Default:</i> true	Expected To Run

Table 62-1 ServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ExternalDNSName	The external DNS name for the current server, which will be sent with http session cookies and also with the dynamic server lists to http proxies. This is required for configurations in which a firewall is performing Network Address Translation.	<i>Default:</i> null	External DNSName
ExtraRmicOptions	The extra options passed to rmic during server-side generation.	<i>Default:</i> null	Extra rmic Options
HealthCheckIntervalSeconds	Periodicity (in seconds) of the server's health checks. This controls the frequency of the server's self-health monitoring and the Node Manager's health queries.	<i>Default:</i> 180 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647 <i>Units:</i> seconds	Health Check Interval
HealthCheckTimeoutSeconds	Time (in seconds) the Node Manager should wait before timing out its health query to the server.	<i>Default:</i> 60 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647 <i>Units:</i> seconds	Health Check Timeout
HttpdEnabled	Whether or not HTTP support is enabled on the plaintext or SSL port.	<i>Default:</i> true	Enable HTTPD
IIOPEnabled	Whether or not IIOP support is enabled for both the SSL and non-SSL ports.	<i>Default:</i> true	Enable IIOP
IdleIIOPConnectionTimeout	Specify the maximum number of seconds an IIOP connection is allowed to be idle before it is closed by the server. This attribute helps guard against server deadlock through too many open connections.	<i>Default:</i> 60 <i>Minimum:</i> 0 <i>Units:</i> seconds	Idle IIOPConnection Timeout
InstrumentStackTraceEnabled	Determines whether exception messages include the server-side stack trace.	<i>Default:</i> true	Instrument Stack Trace Enabled

Table 62-1 ServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
InterfaceAddress	Defines the interface address used to specify the NIC that handles cluster multicast traffic.		Interface Address
J2EE12OnlyModeEnabled	Perpetuated for compatibility with 6.1 GA only. Indicates a version 6.1 server that cannot deploy modules based on EJB 2.0 or Servlet 2.3.	<i>Default:</i> false	J2EE12Only Mode Enabled
JDBCLogFileFileName	The name of the JDBC log file. If the pathname is not absolute, the path is assumed to be relative to the root directory of the machine on which the server is running. If the log has no path element and is atomic, ie. jdbc.log to avoid name space conflicts the file will be placed relative to the root directory in <code>./SERVER_NAME/</code>	<i>Default:</i> "jdbc.log"	JDBC Logfile Name
JDBCLoggingEnabled	Determines whether this server maintains a JDBC log file.		Enable JDBC Logging
JMSDefaultConnectionFactoriesEnabled	Enables JMS default connection factories.	<i>Default:</i> true	Enable Default JMS Connection Factories
JNDITransportableObjectFactoryList	List of factories that create transportable objects.		JNDITransportable Object Factory List
JavaCompiler	The Java Compiler for all applications that need to compile Java code.	<i>Default:</i> "javac"	Java Compiler
JavaCompilerPostClassPath	The options to append to the Java compiler classpath for when we need to compile Java code.	<i>Default:</i> null	Append to classpath
JavaCompilerPreClassPath	The options to prepend to the Java compiler classpath for when we need to compile Java code.	<i>Default:</i> null	Prepend to classpath
ListenAddress	The TCP listen address for this server.		Listen Address

Table 62-1 ServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ListenDelaySecs	Perpetuated for compatibility with 6.1 only.	<i>Default:</i> 0	Listen Delay Secs
ListenPort	The plain-text (non-SSL) listen port for this server. If this is disabled the SSL port must be enabled. Additional ports can be configured using network channels (see NetworkChannelMBean). The cluster (multicast) port is configured separately (see getCluster).	<i>Default:</i> 7001 <i>Minimum:</i> 1 <i>Maximum:</i> 65534	Listen Port
ListenPortEnabled	Get if the plain-text (non-SSL) port is enabled for the server. If this is set to false, the SSL listen port must be configured and enabled.	<i>Default:</i> true	Listen Port Enabled
LogRemoteExceptionsEnabled	Determines whether the server message log includes exceptions that are raised in remote systems.	<i>Default:</i> false	Log Remote Exceptions Enabled
LoginTimeout	Not used, use getLoginTimeoutMillis instead.	<i>Default:</i> 1000 <i>Minimum:</i> 0 <i>Units:</i> milliseconds	Login Timeout
LoginTimeoutMillis	The login timeout for the server's plain-text (non-SSL) port, in milliseconds. This is the maximum amount of time allowed for a new connection to establish. A value of 0 indicates there is no maximum. The value must be equal to or greater than 0.	<i>Default:</i> 5000 <i>Minimum:</i> 0 <i>Maximum:</i> 100000 <i>Units:</i> milliseconds	Login Timeout
Logs	Get logs from the Node Manager for this server. The type is either "WL_output" or "WL_error".		Logs
LowMemoryGCThreshold	The threshold level at which we will try to garbage collect once the granularity reporting level has been met.	<i>Default:</i> 5 <i>Minimum:</i> 0 <i>Maximum:</i> 99	Low Memory GCThreshold

Table 62-1 ServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
LowMemoryGranularityLevel	The granularity level used in reporting LowMemory information.	<i>Default:</i> 5 <i>Minimum:</i> 1 <i>Maximum:</i> 100	Low Memory Granularity Level
LowMemorySampleSize	The total sample size used for LowMemoryTimeInterval. Only '1' sample is take at each LowMemoryTimeInterval.	<i>Default:</i> 10 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647	Low Memory Sample Size
LowMemoryTimeInterval	The time interval. So every configured 'time', one sample will be taken up to the LowMemorySampleSize and then repeated.	<i>Default:</i> 3600 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647 <i>Units:</i> seconds	Low Memory Time Interval

Table 62-1 ServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MSIFileReplicationEnabled	<p>Indicates whether the replication of configuration files is enabled for a Managed Server. With file replication enabled, the Administration Server copies its configuration file and SerializedSystemIni.dat into the Managed Server's root directory every 5 minutes. This option does not replicate a boot identity file.</p> <p>You must enable Managed Server Independence to replicate configuration files.</p> <p>Do not enable file replication for a server that shares an installation or root directory with another server. Unpredictable errors can occur for both servers.</p> <p>Depending on your backup schemes and the frequency with which you update your domain's configuration, this option might not be worth the performance cost of copying potentially large files across a network.</p>	<i>Default: false</i>	MSI File Replication Enabled

Table 62-1 ServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Machine	<p>The machine on which this server is meant to run. If the server is already running, this will migrate the server to a different machine. If the machine is the same as the machine is the server is already running on, this is a no-op.</p> <p>Migration consists of taking down the machine using the stop method on the Server (#stop), and restarting the server on the new machine. If anything fails during migration, the appropriate exception will be thrown.</p> <p>Setting the machine to null means that the server should not be started. If it is already running, it is shutdown.</p>		Machine
ManagedServerIndependenceEnabled	<p>Indicates whether Managed Server Independence is enabled for this server. With Managed Server Independence enabled, you can start a Managed Server even if the Administration Server is unavailable. In such a case, the Managed Server retrieves its configuration by reading a configuration file and other files directly.</p>	<i>Default:</i> true	Managed Server Independence Enabled

Table 62-1 ServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MaxCOMMessageSize	Specify the maximum COM message size allowable in a message header. This attribute attempts to prevent a denial of service attack whereby a caller attempts to force the server to allocate more memory than is available thereby keeping the server from responding quickly to other requests. This setting only applies to connections that are initiated using one of the default ports (ServerMBean setListenPort and setAdministrationPort or SSLMBean setListenPort). Connections on additional ports are tuned via the NetworkChannelMBean.	<i>Default:</i> 10000000 <i>Minimum:</i> 4096 <i>Maximum:</i> 2000000000 <i>Units:</i> bytes	Max COMMessage Size
MaxHTTPMessageSize	Specify the maximum HTTP message size allowable in a message header. This attribute attempts to prevent a denial of service attack whereby a caller attempts to force the server to allocate more memory than is available thereby keeping the server from responding quickly to other requests. This setting only applies to connections that are initiated using one of the default ports (ServerMBean setListenPort and setAdministrationPort or SSLMBean setListenPort). Connections on additional ports are tuned via the NetworkChannelMBean.	<i>Default:</i> 10000000 <i>Minimum:</i> 4096 <i>Maximum:</i> 2000000000 <i>Units:</i> bytes	Max HTTPMessage Size
MaxIIOPMessageSize	Specify the maximum IIOP message size allowable in a message header. This attribute attempts to prevent a denial of service attack whereby a caller attempts to force the server to allocate more memory than is available thereby keeping the server from responding quickly to other requests.	<i>Default:</i> 10000000 <i>Minimum:</i> 4096 <i>Maximum:</i> 2000000000 <i>Units:</i> bytes	Max IIOPMessage Size

Table 62-1 ServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MaxOpenSockCount	The maximum number of open sockets allowed in server at a given point of time. When max threshold is reached, server stops accepting any more new requests until no of sockets drops below threshold.	<i>Default:</i> 2147483647 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647	Max Open Sock Count
MaxT3MessageSize	Specify the maximum T3 message size allowable in a message header. This attribute attempts to prevent a denial of service attack whereby a caller attempts to force the server to allocate more memory than is available thereby keeping the server from responding quickly to other requests. This setting only applies to connections that are initiated using one of the default ports (ServerMBean setListenPort and setAdministrationPort or SSLMBean setListenPort). Connections on additional ports are tuned via the NetworkChannelMBean.	<i>Default:</i> 10000000 <i>Minimum:</i> 4096 <i>Maximum:</i> 2000000000 <i>Units:</i> bytes	Max T3Message Size
Name	The name of the MBean.		Name
NativeIOEnabled	Whether or not native I/O is enabled for the server.	<i>Default:</i> true	Native IOEnabled
Notes	Optional information that you can include to describe this configuration.		Notes
PreferredSecondary Group	Defines secondary clustered instances considered for hosting replicas of the primary HTTP session states created on the server.		Preferred Secondary Group
ReplicationGroup	Defines preferred clustered instances considered for hosting replicas of the primary HTTP session states created on the server.		Replication Group

Table 62-1 ServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
RestartDelaySeconds	Time (in seconds) the Node Manager should wait before restarting the server. This value will be used in cases such as the OS not allowing listen ports to be reused immediately.	<i>Default:</i> 0 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647 <i>Units:</i> seconds	Restart Delay Seconds
RestartIntervalSeconds	Interval (in seconds) during which a server can be restarted RestartMax times.	<i>Default:</i> 3600 <i>Minimum:</i> 300 <i>Maximum:</i> 2147483647 <i>Units:</i> seconds	Restart Interval
RestartMax	Number of times a server can be restarted within an interval of RestartIntervalSeconds seconds.	<i>Default:</i> 2 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647	Max Restarts within Interval
ReverseDNSAllowed	Returns whether or not the kernel is allowed to perform reverse DNS lookups.	<i>Default:</i> false	Reverse DNSAllowed

Table 62-1 ServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ServerLifecycleTimeoutVal	<p>Number of seconds a ServerLifecycle operation waits before timing out. It is currently enabled for only shutdown and force shutdown operations. If the operation does not complete within the configured timeout seconds, then the server will shutdown automatically if the state of the server at that time was SHUTTING_DOWN or if the operation was force shutdown. Otherwise, a ServerLifecycleException will be thrown with a message describing the timeout condition.</p> <p>The default value is 120 seconds. A value of 0 means that the server will wait indefinitely for life cycle operation to complete.</p>	<p><i>Default:</i> 120 <i>Minimum:</i> 0 <i>Units:</i> seconds</p>	Timeout for Server Lifecycle Operations
ServerVersion	<p>The release identifier for the server. Since this is a configured attribute it is only as accurate as the configuration. The form of the version is major.minor.servicepack.rollingpatch. Not all parts of the version are required. i.e. "7" is acceptable.</p>	<p><i>Default:</i> "unknown"</p>	Server Version

Table 62-1 ServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
StagingMode	During application preparation, the application's files are copied from the source on the admin server to the managed server's staging area. If this attribute is nostage or external_stage, the copy will not occur. This is useful when the staging area is a shared directory, already containing the application files, or if this is a single server domain. The administrator must ensure that the managed server's staging directory is set appropriately. Deployment errors will result if the application is not available during the preparation or activation of the application. This attribute can be overridden with the ApplicationMBean StagingMode attribute.	<i>Default:</i> null <i>Valid values:</i> <ul style="list-style-type: none">■ "stage"■ "nostage"■ "external_stage"	Staging Mode
StartupMode	Startup Mode for the server	<i>Default:</i> "RUNNING"	Startup Mode
StdoutDebugEnabled	Determines whether the server sends debug messages to standard out in addition to the log file. You must enable Log to Standard Out for this property to be relevant.	<i>Default:</i> false	Stdout Debug Enabled
StdoutEnabled	Enables the server to send messages to standard out in addition to the log file. Use StdoutDebugEnabled and StdoutSeverityLevel to determine the type of messages that the server sends to standard out.	<i>Default:</i> true	Stdout Enabled
StdoutFormat	The output format to use when logging to the console.	<i>Default:</i> "standard" <i>Valid values:</i> <ul style="list-style-type: none">■ "standard"■ "noid"	Stdout Format

Table 62-1 ServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
StdoutLogStack	Whether to dump stack traces to the console when included in logged message.	<i>Default:</i> true	Stdout Log Stack
StdoutSeverityLevel	The minimum severity of a message that the server sends to standard out. You must enable Log to Standard Out for this value to be relevant. The values of severities are INFO(64), WARNING(32), ERROR(16), NOTICE(8), CRITICAL(4), ALERT(2) and EMERGENCY(1). The lower the number, the higher the severity.	<i>Default:</i> 16 <i>Valid values:</i> <ul style="list-style-type: none"> ■ 64 ■ 32 ■ 16 ■ 8 ■ 4 ■ 2 ■ 1 	Stdout Severity Level
StuckThreadMaxTime	The time that is used to determine when a thread might be stuck. If a thread has been working for this time, it might be stuck in some bad state.	<i>Default:</i> 600 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647 <i>Units:</i> seconds	Stuck Thread Max Time
StuckThreadTimerInterval	The time interval that is used to scan the state of the running threads. This along with StuckThreadMaxTime is used to determine when a thread might be stuck.	<i>Default:</i> 600 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647 <i>Units:</i> seconds	Stuck Thread Timer Interval
TGIOPEnabled	Whether or not TGIOP support is enabled.	<i>Default:</i> false	TGIOPEnabled
ThreadPoolPercentSocketReaders	The percentage (1-99) of execute threads from the default queue hat may be used as socket readers.	<i>Default:</i> 33 <i>Minimum:</i> 1 <i>Maximum:</i> 99	Thread Pool Percent Socket Readers

Table 62-1 ServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
TransactionLogFileP refix	The path prefix for the server's JTA transaction log files. If the pathname is not absolute, the path is assumed to be relative to the root directory of the machine on which the server is running.	<i>Default:</i> " . / " <i>Minimum:</i> 1 <i>Units:</i> seconds	Transaction Log File Prefix
TunnelingClientPing Secs	Interval (in seconds) at which to ping an http-tunneled client to see if its still alive (in seconds).	<i>Default:</i> 45 <i>Minimum:</i> 1 <i>Units:</i> seconds	Tunneling Client Ping
TunnelingClientTim eoutSecs	Duration (in seconds) after which a missing http-tunneled client is considered dead (in seconds).	<i>Default:</i> 40 <i>Minimum:</i> 1 <i>Units:</i> seconds	Tunneling Client Timeout
TunnelingEnabled	Enables tunneling via HTTP.	<i>Default:</i> <i>false</i>	Enable Tunneling
UploadDirectoryNa me	Identifies the directory path on the AdminServer where all uploaded applications are placed. If an absolute directory name is not specified, the path is relative to rootdirectory/ The default staging directory is "stage", relative to the server root.. On the ManagedServer this returns null, and is not configurable		Upload Directory Name
VerboseEJBDeploy mentEnabled	Whether or not verbose deployment of EJB's is enabled.	<i>Default:</i> "false"	Verbose EJBDeployment Enabled
XMLEntityCache	The XML Entity Cache for the server		XMLEntity Cache
XMLRegistry	The XML Registry for the server.		XMLRegistry

63 ServerStart

Description

This bean is used to configure the attributes necessary to start up a server on a remote machine.

Syntax

```
<!ELEMENT ServerStart EMPTY >

<!ATTLIST ServerStart
  Arguments          CDATA          #IMPLIED
  BeaHome            CDATA          #IMPLIED
  ClassPath          CDATA          #IMPLIED
  JavaHome           CDATA          #IMPLIED
  Name               CDATA          #REQUIRED
  Notes              CDATA          #IMPLIED
  Password           CDATA          " "
  RootDirectory     CDATA          #IMPLIED
  SecurityPolicyFile CDATA          #IMPLIED
  Username           CDATA          " "
>
```

Parent Elements

The ServerStart element is a child of the [Server](#) element.

Attributes

Table 63-1 ServerStartMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Arguments	The startup arguments to use when starting this server.		Arguments
BeaHome	The BEA home to be used to start this server. Note that this path is on the Node Manager machine.		BEA Home
ClassPath	The classpath to use when starting this server. Note that all paths refer to paths on the Node Manager machine.		Class Path
JavaHome	The Java home directory (on the Node Manager machine) to use when starting this server. The java binary (or java.exe executable in Windows) is taken from the Java home /bin directory to start the managed server.		Java Home
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
Password	The password of the username used to boot the server and perform server health monitoring.	<i>Default:</i> " "	Password
RootDirectory	The RootDirectory to be used to start this server. Note that this path is on the Node Manager machine.		Root Directory
SecurityPolicyFile	The security policy file to use when starting this server. Note that the directory and filename refer to a path on the Node Manager machine.		Security Policy File

Table 63-1 ServerStartMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Username	The username to use when booting the server and performing server health monitoring.	<i>Default:</i> " "	Username

64 ShutdownClass

Syntax

```
<!ELEMENT ShutdownClass EMPTY >

<!ATTLIST ShutdownClass
  Arguments          CDATA          #IMPLIED
  ClassName          CDATA          #REQUIRED
  DeploymentOrder    CDATA          "1000"
  Name               CDATA          #REQUIRED
  Notes              CDATA          #IMPLIED
  Targets            CDATA          #IMPLIED
>
```

Parent Elements

The ShutdownClass element is a child of the [Domain](#) element.

Attributes

Table 64-1 ShutdownClassMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Arguments	Arguments that the server uses to initialize a class.		Arguments
ClassName	The fully qualified name of a class to deploy.		Class Name

Table 64-1 ShutdownClassMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Deployment Order
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
Targets	The targets in the current domain on which this item can be deployed.		Targets

65 SNMPAgent

Description

The MBean representing the SNMP Agent Configuration. The SNMP Agent MBean is a singleton for the SNMP Agent Configuration and does not belong to any configuration.

Syntax

```
<!ELEMENT SNMPAgent ( SNMPTrapDestination\* | SNMPProxy\* | SNMPGaugeMonitor\* |
  SNMPStringMonitor\* | SNMPCounterMonitor\* | SNMPLogFilter\* |
  SNMPAttributeChange\* )* >
```

```
<!ATTLIST SNMPAgent
  CommunityPrefix          CDATA          "public"
  DebugLevel               (0 | 1 | 2 | 3)  "0"
  Enabled                  (true | false)  "false"
  MibDataRefreshInterval  CDATA          "120"
  Name                     CDATA          #REQUIRED
  Notes                    CDATA          #IMPLIED
  SNMPPort                 CDATA          "161"
  ServerStatusCheckIntervalFactor
                          CDATA          "1"
>
```

Parent Elements

The SNMPAgent element is a child of the [Domain](#) element.

Attributes

Table 65-1 SNMPAgentMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
CommunityPrefix	Defines the prefix string which is used to form SNMP Community name. To form a community name, append "@" and the server name or domain name to the prefix. SNMP Community Name = CommunityPrefix[@ { ServerName DomainName }]	<i>Default:</i> "public"	Community Prefix
DebugLevel	Defines the Debug level. Valid values are: <ul style="list-style-type: none"> ■ 0-NoDebug ■ 1-Fatal ■ 2-Critical ■ 3-Non-Critical 	<i>Default:</i> 0 <i>Valid values:</i> <ul style="list-style-type: none"> ■ 0 ■ 1 ■ 2 ■ 3 	Debug Level
Enabled	Defines the state of the SNMP service on an administration server. Select to enable the service.	<i>Default:</i> false	Enabled
MibDataRefreshInterval	Defines the minimum amount of time all MIB values are cached before the agent attempts to refresh them.	<i>Default:</i> 120 <i>Minimum:</i> 30 <i>Maximum:</i> 65535 <i>Units:</i> seconds	Mib Data Refresh Interval
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
SNMPPort	Defines the port that is used for sending SNMP trap notifications to the target SNMP manager.	<i>Default:</i> 161 <i>Minimum:</i> 1 <i>Maximum:</i> 65535	SNMP Port

Table 65-1 SNMPOgentMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ServerStatusCheckIntervalFactor	Defines a multiplier used to calculate the interval at which the server status is checked. interval = n MibDataRefreshInterval	<i>Default:</i> 1 <i>Minimum:</i> 1 <i>Maximum:</i> 65535	Server Status Check Interval Factor

66 SNMPAttributeChange

Description

This class describes the settings to receive mbean-attribute change trap.

Syntax

```
<!ELEMENT SNMPAttributeChange EMPTY >

<!ATTLIST SNMPAttributeChange
  AttributeMBeanName      CDATA          #IMPLIED
  AttributeMBeanType      CDATA          #IMPLIED
  AttributeName           CDATA          #IMPLIED
  EnabledServers          CDATA          #IMPLIED
  Name                    CDATA          #REQUIRED
  Notes                   CDATA          #IMPLIED
>
```

Parent Elements

The SNMPAttributeChange element is a child of the [SNMPAgent](#) element.

Attributes

Table 66-1 SNMPAttributeChangeMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AttributeMBeanName	Defines the name of the MBean to monitor.		Attribute MBean Name
AttributeMBeanType	Defines the type of the MBean to monitor.		Attribute MBean Type

Table 66-1 *SNMPAttributeChangeMBean* Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AttributeName	Defines the name of the attribute to monitor.		Attribute Name
EnabledServers	Defines a list of target servers for trap generation. If no server is specified, no trap will be generated.		Enabled Servers
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

67 SNMPCounterMonitor

Description

This class describes the criteria for a Counter-based Monitor. A trap will be generated when this criteria is satisfied.

Syntax

```
<!ELEMENT SNMPCounterMonitor EMPTY >

<!ATTLIST SNMPCounterMonitor
  EnabledServers          CDATA          #IMPLIED
  Modulus                 CDATA          " 0 "
  MonitoredAttributeName CDATA          #IMPLIED
  MonitoredMBeanName     CDATA          #IMPLIED
  MonitoredMBeanType     CDATA          #IMPLIED
  Name                    CDATA          #REQUIRED
  Notes                   CDATA          #IMPLIED
  Offset                  CDATA          " 0 "
  PollingInterval        CDATA          " 0 "
  Threshold               CDATA          " 0 "
>
```

Parent Elements

The SNMPCounterMonitor element is a child of the [SNMPAgent](#) element.

Attributes

Table 67-1 *SNMPCounterMonitorMBean* Element Attributes

Attribute	Description	Range of Values and Default	Console Label
EnabledServers	Defines a list of target servers for trap generation. If no server is specified, no trap will be generated.		Enabled Servers
Modulus	<p>Defines an integer value to be subtracted from the threshold when the threshold is crossed.</p> <ul style="list-style-type: none"> ■ If Modulus is 0, a trap is generated each time the agent polls the monitored attribute and its value still exceeds or equals the value in the Threshold field. ■ If Modulus is larger than 0, the value of the modulus is subtracted from the threshold each time the threshold is crossed. 	<p><i>Default:</i> 0</p> <p><i>Minimum:</i> 0</p>	Modulus
MonitoredAttributeName	Defines the name of an attribute to monitor.		Monitored Attribute Name
MonitoredMBeanName	Defines the name of the MBean to monitor.		Monitored MBean Name
MonitoredMBeanType	Defines the type of the MBean to monitor.		Monitored MBean Type
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

Table 67-1 SNMPCounterMonitorMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Offset	<p>Defines an integer value to be added to the threshold when the threshold is crossed.</p> <ul style="list-style-type: none">■ If Offset is 0, a trap is generated each time the agent polls the monitored attribute and its value still exceeds or equals the value in the Threshold field.■ If Offset is larger than 0, the value of the offset is added to the threshold each time the threshold is crossed.	<p><i>Default:</i> 0</p> <p><i>Minimum:</i> 0</p>	Offset
PollingInterval	<p>Defines the frequency the agent checks the attribute value.</p>	<p><i>Default:</i> 0</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 65535</p> <p><i>Units:</i> seconds</p>	Polling Interval
Threshold	<p>Defines a threshold that is an integer value. A trap is generated if the agent detects that the monitored attribute equals or exceeds the threshold value.</p>	<p><i>Default:</i> 0</p> <p><i>Minimum:</i> 0</p>	Threshold

68 SNMPGaugeMonitor

Description

This class describes the criteria for a Gauge-based Monitor. A trap will be generated when this criteria is satisfied.

Syntax

```
<!ELEMENT SNMPGaugeMonitor EMPTY >

<!ATTLIST SNMPGaugeMonitor
  EnabledServers          CDATA          #IMPLIED
  MonitoredAttributeName CDATA          #IMPLIED
  MonitoredMBeanName     CDATA          #IMPLIED
  MonitoredMBeanType     CDATA          #IMPLIED
  Name                    CDATA          #REQUIRED
  Notes                   CDATA          #IMPLIED
  PollingInterval        CDATA          " 0 "
  ThresholdHigh           CDATA          " 0 "
  ThresholdLow           CDATA          " 0 "
>
```

Parent Elements

The SNMPGaugeMonitor element is a child of the [SNMPAgent](#) element.

Attributes

Table 68-1 SNMPGaugeMonitorMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
EnabledServers	Defines a list of target servers for trap generation. If no server is specified, no trap will be generated.		Enabled Servers
MonitoredAttributeName	Defines the name of an attribute to monitor.		Monitored Attribute Name
MonitoredMBeanName	Defines the name of the MBean to monitor.		Monitored MBean Name
MonitoredMBeanType	Defines the type of the MBean to monitor.		Monitored MBean Type
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
PollingInterval	Defines the frequency the agent checks the attribute value.	<i>Default:</i> 0 <i>Minimum:</i> 0 <i>Maximum:</i> 65535 <i>Units:</i> seconds	Polling Interval
ThresholdHigh	Defines the high threshold at which a trap is generated. A trap is generated if the monitored value is equal to or greater than this value.	<i>Default:</i> 0	Threshold High
ThresholdLow	Defines the low threshold at which a trap is generated. A trap is generated if the monitored value is less than or equal to this value.	<i>Default:</i> 0	Threshold Low

69 SNMPJMXMonitor

Description

This is a base class for Monitor based trap configuration MBeans :
SNMPCounterMonitorMBean, SNMPStringMonitorMBean and
SNMPGaugeMonitorMBean.

Syntax

```
<!ELEMENT SNMPJMXMonitor EMPTY >

<!ATTLIST SNMPJMXMonitor
  EnabledServers          CDATA          #IMPLIED
  MonitoredAttributeName CDATA          #IMPLIED
  MonitoredMBeanName     CDATA          #IMPLIED
  MonitoredMBeanType     CDATA          #IMPLIED
  Name                    CDATA          #REQUIRED
  Notes                   CDATA          #IMPLIED
  PollingInterval        CDATA          " 0 "
>
```

Parent Elements

The SNMPJMXMonitor element is a child of the [Domain](#) element.

Attributes

Table 69-1 SNMPJMXMonitorMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
EnabledServers	Defines a list of target servers for trap generation. If no server is specified, no trap will be generated.		Enabled Servers
MonitoredAttributeName	Defines the name of an attribute to monitor.		Monitored Attribute Name
MonitoredMBeanName	Defines the name of the MBean to monitor.		Monitored MBean Name
MonitoredMBeanType	Defines the type of the MBean to monitor.		Monitored MBean Type
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
PollingInterval	Defines the frequency the agent checks the attribute value.	<i>Default:</i> 0 <i>Minimum:</i> 0 <i>Maximum:</i> 65535 <i>Units:</i> seconds	Polling Interval

70 SNMPLogFilter

Description

This MBean represents a filter to qualify log messages which are logged to the server logfile. A message must qualify criteria specified as a filter in order to generate a trap. Multiple instances of this MBean can be defined, if needed. If there are multiple instances, a message must qualify atleast one filter to qualify for the server logfile.

Syntax

```
<!ELEMENT SNMPLogFilter EMPTY >

<!ATTLIST SNMPLogFilter
  EnabledServers          CDATA          #IMPLIED
  MessageIds             CDATA          #IMPLIED
  MessageSubstring       CDATA          #REQUIRED
  Name                   CDATA          #REQUIRED
  Notes                  CDATA          #IMPLIED
  SeverityLevel          CDATA
  SubsystemNames         CDATA          "weblogic.logging.Severities.ERROR_TEXT"
  UserIds                CDATA          #IMPLIED
>
```

Parent Elements

The SNMPLogFilter element is a child of the [SNMPAgent](#) element.

Attributes

Table 70-1 SNMPLogFilterMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
EnabledServers	Defines a list of target servers for trap generation. If no server is specified, no trap will be generated.		Enabled Servers
MessageIds	Defines a list of message IDs or ID ranges to be notified when a trap is generated. If no IDs are specified, messages from all IDs are selected. Example list: 20,50-100,300		Message Ids
MessageSubstring	Defines a string that is searched for in the message text. Only messages that contain the string are selected. If a string is not specified, all messages are selected.		Message Substring
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
SeverityLevel	Defines the minimum severity of a message needed to be selected. <ul style="list-style-type: none"> ■ All messages with a specified severity and higher are selected. ■ The ascending order of severities is INFO, WARNING, ERROR, NOTICE, CRITICAL, ALERT, and EMERGENCY. 	<i>Default:</i> weblogic.logging.Severities. ERROR_TEXT	Severity Level
SubsystemNames	Defines a list of subsystems whose messages are selected by this filter. If none are specified, messages from all subsystems are selected.		Subsystem Names

Table 70-1 SNMPLogFilterMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
UserIds	Defines a list of user IDs that are notified when a trap is generated. If no user IDs are specified, messages from all user IDs are selected.		User Ids

71 SNMPProxy

Description

The MBean representing the SNMP agents to be proxied by the current one.

Syntax

```
<!ELEMENT SNMPProxy EMPTY >

<!ATTLIST SNMPProxy
  Community          CDATA          "na"
  Name               CDATA          #REQUIRED
  Notes              CDATA          #IMPLIED
  OidRoot            CDATA          #IMPLIED
  Port               CDATA          "0"
  Timeout            CDATA          "5000"
>
```

Parent Elements

The SNMPProxy element is a child of the [SNMPAgent](#) element.

Attributes

Table 71-1 SNMPProxyMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Community	Defines the community name to be passed on for all requests to the proxied agent. Default value is the community name contained in incoming SNMP requests to the Master SNMP agent.	<i>Default:</i> "na"	Community

Table 71-1 *SNMPProxyMBean* Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
OidRoot	Defines the root of the OID tree on which the proxied agent responds.		Oid Root
Port	Defines the Port number used for communication with the other SNMP Agents.	<i>Default:</i> 0 <i>Minimum:</i> 0 <i>Maximum:</i> 65535	Port
Timeout	Defines the time interval that the WebLogic SNMP proxy agent waits for a response to requests forwarded to another SNMP agent. If the interval elapses without a response, the WebLogic SNMP agent sends an error to the requesting manager.	<i>Default:</i> 5000 <i>Minimum:</i> 0 <i>Units:</i> milliseconds	Timeout

72 SNMPStringMonitor

Description

This class describes the criteria for a String-based Monitor. A trap is generated when this criteria is satisfied.

Syntax

```
<!ELEMENT SNMPStringMonitor EMPTY >

<!ATTLIST SNMPStringMonitor
  EnabledServers          CDATA          #IMPLIED
  MonitoredAttributeName CDATA          #IMPLIED
  MonitoredMBeanName     CDATA          #IMPLIED
  MonitoredMBeanType     CDATA          #IMPLIED
  Name                    CDATA          #REQUIRED
  Notes                   CDATA          #IMPLIED
  NotifyDiffer            (true | false) "false"
  NotifyMatch             (true | false) "false"
  PollingInterval        CDATA          "0"
  StringToCompare        CDATA          #IMPLIED
>
```

Parent Elements

The SNMPStringMonitor element is a child of the [SNMPAgent](#) element.

Attributes

Table 72-1 SNMPStringMonitorMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
EnabledServers	Defines a list of target servers for trap generation. If no server is specified, no trap will be generated.		Enabled Servers
MonitoredAttributeName	Defines the name of an attribute to monitor.		Monitored Attribute Name
MonitoredMBeanName	Defines the name of the MBean to monitor.		Monitored MBean Name
MonitoredMBeanType	Defines the type of the MBean to monitor.		Monitored MBean Type
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
NotifyDiffer	Defines that the criteria used to generate a trap is that the value of Monitored Attribute Name and the value of String to Compare do not match.	<i>Default: false</i>	Notify Differ
NotifyMatch	Defines that the criteria used to generate a trap is that the value of Monitored Attribute Name and the value of String to Compare match.	<i>Default: false</i>	Notify Match
PollingInterval	Defines the frequency the agent checks the attribute value.	<i>Default: 0</i> <i>Minimum: 0</i> <i>Maximum: 65535</i> <i>Units: seconds</i>	Polling Interval

Table 72-1 SNMPStringMonitorMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
StringToCompare	Defines a string to be compared to the value of the Monitored Attribute Name. A trap is generated when the criteria specified by Notify Match or Notify Differ is satisfied.		String To Compare

73 SNMPTrapDestination

Description

This MBean describes all the destinations to which SNMP traps can be sent.

Syntax

```
<!ELEMENT SNMPTrapDestination EMPTY >
<!ATTLIST SNMPTrapDestination
  Community          CDATA          "public"
  Host               CDATA          "localhost"
  Name               CDATA          #REQUIRED
  Notes              CDATA          #IMPLIED
  Port               CDATA          "162"
>
```

Parent Elements

The SNMPTrapDestination element is a child of the [SNMPAgent](#) element.

Attributes

Table 73-1 SNMPTrapDestinationMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Community	Defines the SNMP trap community name. The community name functions as a password for sending trap notifications to the target SNMP manager.	<i>Default:</i> "public"	Community

73 SNMPTrapDestination

Table 73-1 SNMPTrapDestinationMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Host	Defines a string that contains either a hostname or IP address for the machine where the SNMP manager is located. This host machine is the target for SNMP trap notifications sent by the WebLogic SNMP agent.	<i>Default:</i> localhost	Host
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
Port	Defines the port that is used for sending SNMP trap notifications to the target SNMP manager.	<i>Default:</i> 162 <i>Minimum:</i> 1 <i>Maximum:</i> 65535	Port

74 SNMPTrapSource

Description

This MBean is the base of SNMP TRAP related config MBeans.

Syntax

```
<!ELEMENT SNMPTrapSource ( Server* )* >
<!ATTLIST SNMPTrapSource
  Name                CDATA                #REQUIRED
  Notes               CDATA                #IMPLIED
>
```

Parent Elements

The SNMPTrapSource element is a child of the [Domain](#) element.

Attributes

Table 74-1 SNMPTrapSourceMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

75 SSL

Description

This MBean represents the configuration of the SSL protocol for version 6.x and version 7.0 WebLogic Server deployments.

Syntax

```
<!ELEMENT SSL EMPTY >

<!ATTLIST SSL
  CertAuthenticator          CDATA          #IMPLIED
  CertificateCacheSize       CDATA          "3"
  Ciphersuites               CDATA          #IMPLIED
  ClientCertificateEnforced (true | false) "false"
  Enabled                    (true | false) "false"
  ExportKeyLifespan         CDATA          "500"
  HandlerEnabled             (true | false) "true"
  HostnameVerificationIgnored
                             (true | false) "false"
  HostnameVerifier           CDATA          #IMPLIED
  KeyEncrypted               (true | false) "false"
  ListenPort                 CDATA          "7002"
  LoginTimeoutMillis        CDATA          "25000"
  Name                       CDATA          #REQUIRED
  Notes                      CDATA          #IMPLIED
  PeerValidationEnforced    CDATA          "0"
  ServerCertificateChainFileName
                             CDATA          "server-certchain.pem"
  ServerCertificateFileName  CDATA          "server-cert.der"
  ServerKeyFileName          CDATA          "server-key.der"
  ServerPrivateKeyAlias      CDATA          #IMPLIED
  ServerPrivateKeyPassPhrase
                             CDATA          #IMPLIED
  TrustedCAFileName         CDATA          "trusted-ca.pem"
  TwoWaySSEnabled           (true | false) "false"
```

```

UseJava                (true | false)                "true"
>

```

Parent Elements

The SSL element is a child of the [Server](#) element.

Attributes

Table 75-1 SSLMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
CertAuthenticator	The name of the Java class that implements the <code>weblogic.security.acl.CertAuthenticator</code> class. This class maps the digital certificate of a client to a WebLogic Server user. the <code>weblogic.security.acl.CertAuthenticator</code> class has an <code>authenticate()</code> method that WebLogic Server calls after validating the digital certificate presented by the client.	<i>Default:</i> null	Cert Authenticator
CertificateCacheSize	The number of certificates held that have not been redeemed by tokens.	<i>Default:</i> 3 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647	Certificate Cache Size

Table 75-1 SSLMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Ciphersuites	<p>Specifies the cipher suites being used on a particular WebLogic Server.</p> <p>The possible values are:</p> <ul style="list-style-type: none">■ SSL_NULL_WITH_NULL_NULL■ SSL_RSA_WITH_NULL_SHA■ SSL_RSA_EXPORT_WITH_RC4_40_MD5■ SSL_RSA_WITH_RC4_128_MD5■ SSL_RSA_WITH_RC4_128_SHA■ SSL_RSA_EXPORT_WITH_DES_40_CBC_SHA■ SSL_RSA_WITH_DES_CBC_SHA■ SSL_RSA_WITH_3DES_EDE_CBC_SHA■ SSL_DH_anon_EXPORT_WITH_RC4_40_MD5■ SSL_DH_anon_WITH_RC4_128_MD5■ SSL_DH_anon_EXPORT_WITH_DES_40_CBC_SHA■ SSL_DH_anon_WITH_DES_CBC_SHA■ SSL_DH_anon_WITH_3DES_EDE_CBC_SHA <p>The default is SSL_RSA_EXPORT_WITH_RC4_40_MD5.</p>		Ciphersuites
ClientCertificateEnforced	Defines whether or not clients must present digital certificates from a trusted certificate authority to WebLogic Server.	<i>Default: false</i>	Client Certificate Enforced

Table 75-1 SSLMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Enabled	Enables the use the SSL port in the SSLMBean. If this is disabled then the plain-text (non-SSL) listen for this server must be enabled. Additional ports can be configured using	<i>Default:</i> false	Enable SSL Listen Port (Please configure SSL)
ExportKeyLifespan	Specifies the number of times WebLogic Server can use an exportable key between a domestic server and an exportable client before generating a new key. The more secure you want WebLogic Server to be, the fewer times the key should be used before generating a new key.	<i>Default:</i> 500 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647	Export Key Lifespan
HandlerEnabled	Not used. Ignore.	<i>Default:</i> true	Handler Enabled
HostnameVerificationIgnored	Disables the installed implementation of the <code>weblogic.security.SSL.HostnameVerifier</code> class when WebLogic Server is acting as a client to another application server.	<i>Default:</i> false	Hostname Verification Ignored
HostnameVerifier	The name of the class that implements the <code>weblogic.security.SSL.HostnameVerifier</code> class. This class verifies that the host name in the URL received from an SSL client matches the common name in the server certificate's distinguished name. This class prevents man-in-the-middle attacks. The <code>weblogic.security.SSL.HostnameVerifier</code> has a <code>verify()</code> method that WebLogic Server calls on the client during the SSL handshake.	<i>Default:</i> null	Hostname Verifier

Table 75-1 SSLMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
KeyEncrypted	<p>Specifies whether or not the private key for the WebLogic Server has been encrypted with a password.</p> <ul style="list-style-type: none">■ If the attribute is set to true, the private key requires a password be supplied in order to use the key.■ If the attribute is set to false, the private key is unencrypted and may be used without providing a password.	<i>Default:</i> false	Key Encrypted
ListenPort	The TCP/IP port at which the WebLogic Server listens for SSL connection requests.	<i>Default:</i> 7002 <i>Minimum:</i> 1 <i>Maximum:</i> 65535	SSL Listen Port
LoginTimeoutMillis	The number of milliseconds that WebLogic Server waits for an SSL connection before timing out. SSL connections take longer to negotiate than regular connections. If clients are connecting over the Internet, raise the default number to accommodate additional network latency. A value of 0 disables the attribute.	<i>Default:</i> 25000 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647 <i>Units:</i> milliseconds	SSL Login Timeout
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
PeerValidationEnforced		<i>Default:</i> 0	Peer Validation Enforced

Table 75-1 SSLMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ServerCertificateChainFileName	The full directory location and name of the file containing an ordered list of certificate authorities trusted by WebLogic Server. The .PEM file extension indicates that method that should be used to read the file. Note that the digital certificate for WebLogic Server should not be stored in this file.	<i>Default:</i> "server-certchain.pem"	Server Certificate Chain File Name
ServerCertificateFileName	The full directory location and name of the digital certificate for WebLogic Server. The file extension (.DER or .PEM) tells WebLogic Server how to read the contents of the file.	<i>Default:</i> "server-certificate"	Server Certificate File Name
ServerKeyFileName	The full directory location and name of the private key for WebLogic Server. The file extension (.PEM) indicates the method that should be used to read the file.	<i>Default:</i> "server-key.der"	Server Key File Name
ServerPrivateKeyAlias	The string alias used to store and retrieve the server's private key in the keystore. This private key is associated with the server's digital certificate and is usually stored by the server hostname.	<i>Default:</i> null	Server Private Key Alias
ServerPrivateKeyPassPhrase	The passphrase used to retrieve the server's private key from the keystore. This passphrase is assigned to the private key when it is generated.	<i>Default:</i> null	Server Private Key Passphrase
TrustedCAFileName	The name of the file containing the PEM-encoded trusted certificate authorities.	<i>Default:</i> "trusted-ca.pem"	Trusted CA File Name
TwoWaySSLEnabled	Is two way SSL enabled?	<i>Default:</i> "false"	Client Certificate Requested But Not Enforced

Table 75-1 SSLMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
UseJava	Enables the use of native Java libraries. WebLogic Server provides a pure-Java implementation of the SSL protocol. Native libraries enhance the performance for SSL operations on the Solaris, Windows NT, and IBM AIX platforms.	<i>Default:</i> true	Use Java

76 StartupClass

Description

Provides methods that configure startup classes.

Syntax

```
<!ELEMENT StartupClass EMPTY >

<!ATTLIST StartupClass
  Arguments          CDATA          #IMPLIED
  ClassName          CDATA          #REQUIRED
  DeploymentOrder    CDATA          "1000"
  FailureIsFatal     (true | false)  "false"
  LoadBeforeAppDeployments (true | false) "false"
  Name               CDATA          #REQUIRED
  Notes              CDATA          #IMPLIED
  Targets            CDATA          #IMPLIED
>
```

Parent Elements

The StartupClass element is a child of the [Domain](#) element.

Attributes

Table 76-1 StartupClassMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Arguments	Arguments that the server uses to initialize a class.		Arguments

Table 76-1 StartupClassMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ClassName	The fully qualified name of a class to deploy.		Class Name
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Deployment Order
FailureIsFatal	Determines whether a failure in this startup class prevents a server from starting. If this check box is cleared (or if you use an API to specify a value of <code>false</code>) and the startup class fails, the server continues its startup process.	<i>Default:</i> <code>false</code>	Failure is fatal
LoadBeforeAppDeployments	Determines whether a startup class is loaded and run before the server deploys applications. If you specify <code>true</code> for this option, the server loads the class after it deploys JDBCConnectionPools and before it deploys Web applications and EJBs. If you specify <code>false</code> , the server loads the class after all deployments succeed.	<i>Default:</i> <code>false</code>	Run before application deployments
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

Table 76-1 StartupClassMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Targets	The targets in the current domain on which this item can be deployed.		Targets

77 UnixMachine

Description

This bean represents a machine that is running the UNIX operating system. It extends MachineMBean with properties specific to the UNIX platform.

Syntax

```
<!ELEMENT UnixMachine ( NodeManager? )* >

<!ATTLIST UnixMachine
  Addresses          CDATA          #IMPLIED
  Name               CDATA          #REQUIRED
  Notes              CDATA          #IMPLIED
  PostBindGID        CDATA          "nobody"
  PostBindGIDEnabled (true | false) "false"
  PostBindUID        CDATA          "nobody"
  PostBindUIDEnabled (true | false) "false"
>
```

Parent Elements

The UnixMachine element is a child of the [Domain](#) element.

Attributes

Table 77-1 UnixMachineMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Addresses	The addresses by which this machine is known. May be either host names of literal IP addresses.		Address

Table 77-1 UnixMachineMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
PostBindGID	The UNIX GID a server running on this machine will run under after it has carried out all privileged startup actions. If this value is set, it is a valid Unix GID. If it is not set it is null.	<i>Default: "nobody"</i>	Post-Bind GID
PostBindGIDEnabled	The UNIX UID a server running on this machine will run under after it has carried out all privileged startup actions. If this value is set, it is a valid Unix UID. If it is not set it is null.	<i>Default: false</i>	Enable Post-Bind GID
PostBindUID	The UNIX UID a server running on this machine will run under after it has carried out all privileged startup actions. If this value is set, it is a valid Unix UID. If it is not set it is null.	<i>Default: "nobody"</i>	Post-Bind UID
PostBindUIDEnabled	The UNIX UID a server running on this machine will run under after it has carried out all privileged startup actions. If this value is set, it is a valid Unix UID. If it is not set it is null.	<i>Default: false</i>	Enable Post-Bind UID

78 UnixRealm

Syntax

```
<!ELEMENT UnixRealm EMPTY >

<!ATTLIST UnixRealm
  AuthProgram      CDATA          "wlauth"
  Name             CDATA          #REQUIRED
  Notes           CDATA          #IMPLIED
  RealmClassName  CDATA          #IMPLIED
>
```

Parent Elements

The UnixRealm element is a child of the [Domain](#) element.

Attributes

Table 78-1 UnixRealmMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AuthProgram	<p>The name of the program used to authenticate users in the UNIX security realm. In most cases, the name of the program is <code>wlauth</code>. The authentication program must run <code>setuid root</code>.</p> <ul style="list-style-type: none"> ■ If the program name is <code>wlauth</code> and is in the <code>CLASSPATH</code>, you need not explicitly set this attribute; leave the attribute blank. ■ If the program name is different than <code>wlauth</code>, or if it is not in the <code>CLASSPATH</code> of WebLogic Server, specify this attribute. 	<i>Default:</i> "wlauth"	Auth Program
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
RealmClassName			Realm Class Name

79 WebAppComponent

Syntax

```
<!ELEMENT WebAppComponent EMPTY >

<!ATTLIST WebAppComponent
  Application          CDATA          #IMPLIED
  AuthFilter           CDATA          #IMPLIED
  AuthRealmName        CDATA          "weblogic"
  DeploymentOrder      CDATA          "1000"
  IndexDirectoryEnabled (true | false)  "false"
  Name                 CDATA          #REQUIRED
  Notes                CDATA          #IMPLIED
  PreferWebInfClasses  (true | false)  "false"
  ServletExtensionCaseSensitive
                        (true | false)  "false"
  ServletReloadCheckSecs CDATA          "1"
  SessionMonitoringEnabled (true | false) "false"
  SingleThreadedServletPoolSize
                        CDATA          "5"
  Targets              CDATA          #IMPLIED
  URI                  CDATA          #REQUIRED
  VirtualHosts         CDATA          #IMPLIED
  WebServers           CDATA          #IMPLIED
>
```

Parent Elements

The WebAppComponent element is a child of the [Application](#) element.

Attributes

Table 79-1 WebAppComponentMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Application	The application this component is a part of. This is guaranteed to never be null.		Application
AuthFilter	The AuthFilter Servlet class which will be called before and after all authentication and authorization checks in the WebApplication	<i>Default:</i> null	Auth Filter
AuthRealmName	The Realm in the Basic Authentication HTTP dialog box which pops up on the browsers	<i>Default:</i> "weblogic"	Auth Realm Name
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Deployment Order
IndexDirectoryEnabled	Return whether or not to automatically generate an HTML directory listing if no suitable index file is found	<i>Default:</i> false	Index Directories
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

Table 79-1 WebAppComponentMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
PreferWebInfClasses	If true, classes located in the WEB-INF directory of a web-app will be loaded in preference to classes loaded in the application or system classloader.	<i>Default: false</i>	Prefer Web Inf Classes
ServletExtensionCaseSensitive	Treats all .extension except for .html as lower case this is only necessary on WindowsNT. This property is being deprecated. The extension comparison will be case insensitive by default on Win32.	<i>Default: false</i>	Case Sensitive Extensions
ServletReloadCheckSecs	How often WebLogic checks whether a servlet has been modified, and if so reloads it. -1 is never reload, 0 is always reload	<i>Default: 1</i>	Reload Period
SessionMonitoringEnabled	If true, then runtime mbeans will be created for sessions, otherwise, they will not.	<i>Default: false</i>	Enable Session Monitoring
SingleThreadedServletPoolSize	Defines the size of the pool used for SingleThreadModle instance pools.	<i>Default: 5</i>	Single Threaded Servlet Pool Size
Targets	The targets in the current domain on which this item can be deployed.		Targets
URI	Return a URI pointing to the application component, usually on the Admin Server.		URI
VirtualHosts	Returns virtual hosts on which this deployment is targeted.		Virtual Hosts
WebServers	Returns targets on which this deployment is deployed.		Web Servers

80 WebServer

Description

This bean represents the configuration of virtual web server within a weblogic server. Note that a server may define multiple web servers to support virtual hosts.

This MBean represents a virtual host.

Syntax

```
<!ELEMENT WebServer EMPTY >
```

```
<!ATTLIST WebServer
```

AcceptContextPathInGetRealPath	(true false)	"false"
Charsets	CDATA	#IMPLIED
ClusteringEnabled	(true false)	"false"
DefaultServerName	CDATA	#IMPLIED
DefaultWebApp	CDATA	#IMPLIED
DeploymentOrder	CDATA	"1000"
FrontendHTTPPort	CDATA	"0"
FrontendHTTPSPort	CDATA	"0"
FrontendHost	CDATA	#IMPLIED
HttpsKeepAliveSecs	CDATA	"60"
KeepAliveEnabled	(true false)	"true"
KeepAliveSecs	CDATA	"30"
LogFileBufferKBytes	CDATA	"8"
LogFileFlushSecs	CDATA	"60"
LogFileFormat	(common extended)	"common"
LogFileName	CDATA	"access.log"
LogRotationPeriodMins	CDATA	"1440"
LogRotationTimeBegin	CDATA	#IMPLIED
LogRotationType	(size date)	"size"
LoggingEnabled	(true false)	"true"
MaxLogFileSizeKBytes	CDATA	"0"
MaxPostSize	CDATA	"-1"
MaxPostTimeSecs	CDATA	"-1"

Name	CDATA	#REQUIRED
Notes	CDATA	#IMPLIED
PostTimeoutSecs	CDATA	"30"
SendServerHeaderEnabled	(true false)	"true"
SingleSignonDisabled	(true false)	"false"
Targets	CDATA	#IMPLIED
URLResource	CDATA	#IMPLIED
WAPEnabled	(true false)	"false"

>

Parent Elements

The WebServer element is a child of the [Server](#) element.

Attributes

Table 80-1 WebServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AcceptContextPathInGetRealPath	Beginning with this release inclusion of the contextPath in the virtualPath to the context.getRealPath() will not be allowed as it breaks the case when the subdirectories have the same name as contextPath. In order to support applications which might have been developed according to the old behaviour we are providing a compatibility switch. This switch will be deprecated in future releases.	<i>Default:</i> false	Accept Context Path In Get Real Path
Charsets	User defined mapping between internet and Java charset names	<i>Default:</i> null	Charsets
ClusteringEnabled	Enables HTTP clustering	<i>Default:</i> false	Clustering Enabled
DefaultServerName	The HTTP defaultServerName	<i>Default:</i> null	Default Server Name
DefaultWebApp	Servlet 2.3 Web Application that maps to the "default" servlet context (where ContextPath = "/")	<i>Default:</i> null	Default Web Application

Table 80-1 WebServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<i>Default:</i> 1000 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647	Deployment Order
FrontendHTTPPort	The frontendHTTPPort	<i>Default:</i> 0	Frontend HTTPPort
FrontendHTTPSPort	The frontendHTTPSPort	<i>Default:</i> 0	Frontend HTTPSPort
FrontendHost	The HTTP frontendHost	<i>Default:</i> null	Frontend Host
HttpsKeepAliveSecs	Number of seconds to maintain HTTPS keep-alive before timing out the request.	<i>Default:</i> 60 <i>Minimum:</i> 30 <i>Maximum:</i> 360 <i>Units:</i> seconds	HTTPS Duration
KeepAliveEnabled	Returns whether or not HTTP keep-alive is enabled	<i>Default:</i> true	Enable Keepalives
KeepAliveSecs	Number of seconds to maintain HTTP keep-alive before timing out the request.	<i>Default:</i> 30 <i>Minimum:</i> 5 <i>Maximum:</i> 120 <i>Units:</i> seconds	Duration

Table 80-1 WebServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
LogFileBufferKBytes	The maximum size (in kilobytes) of the buffer that stores HTTP requests. When the buffer reaches this size, the server writes the data to the HTTP log file. Use the <code>LogFileFlushSecs</code> property to determine the frequency with which the server checks the size of the buffer.	<i>Default:</i> 8 <i>Minimum:</i> 0 <i>Maximum:</i> 1024 <i>Units:</i> kilobytes	Log Buffer Size
LogFileFlushSecs	The interval (in seconds) at which the server checks the size of the buffer that stores HTTP requests. When the buffer exceeds the size that is specified in the <code>LogFileBufferKBytes</code> property, the server writes the data in the buffer to the HTTP request log file.	<i>Default:</i> 60 <i>Minimum:</i> 1 <i>Maximum:</i> 360 <i>Units:</i> seconds	Flush Every
LogFileFormat	Specifies the format of the HTTP log file. Both formats are defined by the W3C. With the extended log format, you use server directives in the log file to customize the information that the server records.	<i>Default:</i> "common" <i>Valid values:</i> ■ "common" ■ "extended"	Format
LogFileName	The name of the file that stores HTTP requests. If the pathname is not absolute, the path is assumed to be relative to the root directory of the machine on which the server is running. This value is relevant only if HTTP logging is enabled.	<i>Default:</i> "access.log"	Logfile Name
LogRotationPeriodMins	The interval (in minutes) at which the server saves old HTTP requests to another log file. This value is relevant only if you use the time-based rotation type.	<i>Default:</i> 1440 <i>Minimum:</i> 1 <i>Maximum:</i> 2147483647 <i>Units:</i> minutes	Rotation Period

Table 80-1 WebServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
LogRotationTimeBegin	<p>Determines the start time for a time-based rotation sequence. At the time that this value specifies, the server renames the current log file as <i>LogFileName.n</i>. Thereafter, the server renames the log file at an interval that you specify in <code>LogRotationPeriodMins</code>. You can create a recurring start time such as "every Monday at 09:00" or a non-recurring start time such as "9 January, 2002, 09:00."</p> <p>Use the following <code>java.text.SimpleDateFormat</code> format to specify a date and time: <code>MM-dd-yyyy-k:mm:ss</code>. For information about this format, refer to the J2EE Javadoc.</p> <p>If the date that you specify has already past, then the day in week (E), hour in day (H), minute in hour (m) and second in minute (s) are used with the current date to recalculate a start time.</p>		Rotation Time

Table 80-1 WebServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
LogRotationType	<p>Criteria for moving old HTTP requests to a separate log file:</p> <ul style="list-style-type: none"> ■ Size. When the log file reaches the size that you specify in <code>MaxLogFileSizeKBytes</code>, the server renames the file as <code>LogFileName.n</code>. ■ Time. At each time interval that you specify in <code>TimeSpan</code>, the server renames the file as <code>LogFileName.n</code>. <p>After the server renames a file, subsequent messages accumulate in a new file with the name that you specified in <code>LogFileName</code>.</p>	<p><i>Default:</i> "size"</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none"> ■ "size" ■ "date" 	Rotation Type
LoggingEnabled	Enables logging of HTTP requests.	<i>Default:</i> true	Enable Logging
MaxLogFileSizeKBytes	<p>The maximum size (in kilobytes) of the HTTP log file. After the log file reaches this size, the server renames it as <code>LogFileName.n</code>. 0 causes the file to grow indefinitely.</p> <p>This property is relevant only if you choose to rotate files by <code>size</code>.</p>	<p><i>Default:</i> 0</p> <p><i>Minimum:</i> 0</p> <p><i>Units:</i> kilobytes</p>	Max Log File SizeK Bytes
MaxPostSize	<p>Max Post Size (in bytes) for reading HTTP POST data in a servlet request.</p> <p><code>MaxPostSize < 0</code> means unlimited</p>	<p><i>Default:</i> -1</p> <p><i>Units:</i> bytes</p>	Max Post Size
MaxPostTimeSecs	<p>Max Post Time (in seconds) for reading HTTP POST data in a servlet request.</p> <p><code>MaxPostTime < 0</code> means unlimited</p>	<p><i>Default:</i> -1</p> <p><i>Units:</i> seconds</p>	Max Post Time
Name	<p>The name of this configuration.</p> <p>WebLogic Server uses an MBean to implement and persist the configuration.</p>		Name

Table 80-1 WebServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Notes	Optional information that you can include to describe this configuration.		Notes
PostTimeoutSecs	Timeout (in seconds) for reading HTTP POST data in a servlet request.	<i>Default:</i> 30 <i>Minimum:</i> 0 <i>Maximum:</i> 120	Post Timeout Secs
SendServerHeaderEnabled	Returns whether or not to send a response Server header	<i>Default:</i> true	Send Server Header Enabled
SingleSignonDisabled	Disables SingleSignon in webapps	<i>Default:</i> false	Single Signon Disabled
Targets	The targets in the current domain on which this item can be deployed.		Targets
URLResource	Adds a URL connection factory resource into JNDI	<i>Default:</i> null	URLResource
WAPEnabled	Enables WAP	<i>Default:</i> false	WAP Enabled

81 WebServiceComponent

Syntax

```

<!ELEMENT WebServiceComponent EMPTY >

<!ATTLIST WebServiceComponent
  Application           CDATA           #IMPLIED
  AuthFilter            CDATA           #IMPLIED
  AuthRealmName        CDATA           "weblogic"
  DeploymentOrder       CDATA           "1000"
  IndexDirectoryEnabled (true | false)  "false"
  Name                  CDATA           #REQUIRED
  Notes                 CDATA           #IMPLIED
  PreferWebInfClasses  (true | false)  "false"
  ServletExtensionCaseSensitive
                        (true | false)  "false"
  ServletReloadCheckSecs CDATA           "1"
  SessionMonitoringEnabled (true | false) "false"
  SingleThreadedServletPoolSize
                        CDATA           "5"
  Targets               CDATA           #IMPLIED
  URI                   CDATA           #REQUIRED
  VirtualHosts          CDATA           #IMPLIED
  WebServers            CDATA           #IMPLIED
>

```

Parent Elements

The `WebServiceComponent` element is a child of the [Domain](#) element.

81 *WebServiceComponent*

Attributes

Table 81-1 WebServiceComponentMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Application	The application this component is a part of. This is guaranteed to never be null.		Application
AuthFilter	The AuthFilter Servlet class which will be called before and after all authentication and authorization checks in the WebApplication	<i>Default:</i> null	Auth Filter
AuthRealmName	The Realm in the Basic Authentication HTTP dialog box which pops up on the browsers	<i>Default:</i> "weblogic"	Auth Realm Name
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<i>Default:</i> 1000 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647	Deployment Order
IndexDirectoryEnabled	Return whether or not to automatically generate an HTML directory listing if no suitable index file is found	<i>Default:</i> false	Index Directories
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

Table 81-1 WebServiceComponentMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
PreferWebInfClasses	If true, classes located in the WEB-INF directory of a web-app will be loaded in preference to classes loaded in the application or system classloader.	<i>Default: false</i>	Prefer Web Inf Classes
ServletExtensionCaseSensitive	Treats all .extension except for .html as lower case this is only necessary on WindowsNT. This property is being deprecated. The extension comparison will be case insensitive by default on Win32.	<i>Default: false</i>	Case Sensitive Extensions
ServletReloadCheckSecs	How often WebLogic checks whether a servlet has been modified, and if so reloads it. -1 is never reload, 0 is always reload	<i>Default: 1</i>	Reload Period
SessionMonitoringEnabled	If true, then runtime mbeans will be created for sessions, otherwise, they will not.	<i>Default: false</i>	Enable Session Monitoring
SingleThreadedServletPoolSize	Defines the size of the pool used for SingleThreadModle instance pools.	<i>Default: 5</i>	Single Threaded Servlet Pool Size
Targets	The targets in the current domain on which this item can be deployed.		Targets
URI	Return a URI pointing to the application component, usually on the Admin Server.		URI
VirtualHosts	Returns virtual hosts on which this deployment is targeted.		Virtual Hosts
WebServers	Returns targets on which this deployment is deployed.		Web Servers

82 WLECConnectionPool

Description

This bean defines a WLEC connection pool.

Syntax

```
<!ELEMENT WLECConnectionPool EMPTY >

<!ATTLIST WLECConnectionPool
  ApplicationPassword      CDATA          #IMPLIED
  CertificateAuthenticationEnabled
                           (true | false)  "false"
  DeploymentOrder          CDATA          "1000"
  FailoverAddresses        CDATA          #IMPLIED
  MaximumEncryptionLevel   CDATA          "0"
  MaximumPoolSize         CDATA          "1"
  MinimumEncryptionLevel   CDATA          "0"
  MinimumPoolSize         CDATA          "1"
  Name                     CDATA          #REQUIRED
  Notes                    CDATA          #IMPLIED
  PrimaryAddresses        CDATA          #IMPLIED
  SecurityContextEnabled   (true | false)  "false"
  Targets                  CDATA          #IMPLIED
  UserName                 CDATA          #IMPLIED
  UserPassword             CDATA          #IMPLIED
  UserRole                  CDATA          #IMPLIED
  WLEDomain                CDATA          #IMPLIED
>
```

Parent Elements

The WLECConnectionPool element is a child of the [Domain](#) element.

Attributes

Table 82-1 WLECConnectionPoolMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ApplicationPassword	Defines the password for the application. This field is required when the security level in the WLE domain is APP_PW, USER_AUTH, ACL, or MANDATORY_ACL.		Application Password
CertificateAuthenticationEnabled	<p>Defines the state of certificate authentication.</p> <ul style="list-style-type: none"> ■ When you use certificate authentication, WLEC uses the values for the User Name and Application Password fields to create a certificate for WLEC. ■ If you do not use certificate authentication, WLEC uses password authentication or no authentication, depending on the security level of the WLE domain. ■ If password authentication is required, WLEC uses the values for the User Name and User Password fields to authenticate. 	<i>Default:</i> false	Enable Certificate Authentication
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Deployment Order

Table 82-1 WLECConnectionPoolMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
FailoverAddresses	Defines the list of addresses for IIOP Listener/Handlers used if connections defined in the primary addresses cannot be established or fail. Multiple addresses are separated by semicolons.		Failover Addresses
MaximumEncryptionLevel	Defines the maximum SSL encryption level used between the Tuxedo domain and WebLogic Server. <ul style="list-style-type: none">■ Zero (0) indicates that the data is signed but not sealed.■ 40, 56, and 128 specify the length, in bits, of the encryption key.■ The default is the maximum level allowed by the Encryption Package kit license.■ If this minimum level of encryption is not met, the SSL connection between Tuxedo and WebLogic Server fails.	<i>Default: 0</i>	Maximum Encryption Level
MaximumPoolSize	Defines the maximum number of IIOP connections that can be made from the WLEC connection pool.	<i>Default: 1</i>	Maximum Pool Size
MinimumEncryptionLevel	Defines the minimum SSL encryption level used between the Tuxedo domain and WebLogic Server. <ul style="list-style-type: none">■ Zero (0) indicates that the data is signed but not sealed.■ 40, 56, and 128 specify the length, in bits, of the encryption key.■ Default value is 40.■ If this minimum level of encryption is not met, the SSL connection between Tuxedo and WebLogic Server fails.	<i>Default: 0</i>	Minimum Encryption Level

Table 82-1 WLECConnectionPoolMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MinimumPoolSize	Defines the number of IIOP connections to be added to the WLEC connection pool when WebLogic Server starts.	<i>Default:</i> 1	Minimum Pool Size
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
PrimaryAddresses	<p>Defines the list of addresses for IIOP Listener/Handlers used to establish a connection between the WLEC connection pool and the WLE domain.</p> <ul style="list-style-type: none"> ■ The format of each address is <code>//hostname:port</code>. ■ The addresses must match the ISL addresses defined in the UBBCONFIG file. Multiple addresses are separated by semicolons. Example: <code>//main1.com:1024;</code> ■ To configure the WLEC connection pool to use the SSL protocol, use the <code>corbalocs</code> prefix with the address of the IIOP Listener/Handler. Example: <code>corbalocs://hostname:port</code>. 		Primary Addresses
SecurityContextEnabled	Defines the state of the security context the WebLogic Server User passed to the Tuxedo domain. If selected, security context is enabled.	<i>Default:</i> false	Enable Security Context
Targets	The targets in the current domain on which this item can be deployed.		Targets

Table 82-1 WLECConnectionPoolMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
UserName	Defines the name of a qualified user. This field is required only when the security level in the Tuxedo domain is USER_AUTH, ACL or MANDATORY_ACL.		User Name
UserPassword	Defines the password of the qualified user specified in the User Name field. This field is required only when you define the User Name field.		User Password
UserRole	Defines the user role for this connection pool. This field is required when the security level in the WLE domain is APP_PW, USER_AUTH, ACL, or MANDATORY_ACL.		User Role
WLEDomain	Defines the name of the WLEC domain to which the pool is connected. <ul style="list-style-type: none">■ You can have only one WLEC connection pool per Tuxedo domain.■ The domain name must match the domainid parameter in the RESOURCES section of the UBBCONFIG file for the Tuxedo domain.		Domain

83 WTCEXport

Description

This interface provides access to the WTC export configuration attributes. The methods defined herein are applicable for WTC configuration at the WLS domain level.

Syntax

```
<!ELEMENT WTCEXport EMPTY >

<!ATTLIST WTCEXport
  EJBName           CDATA           #IMPLIED
  LocalAccessPoint CDATA           #REQUIRED
  Name              CDATA           #REQUIRED
  Notes             CDATA           #IMPLIED
  RemoteName       CDATA           #IMPLIED
  ResourceName     CDATA           #REQUIRED
>
```

Parent Elements

The WTCEXport element is a child of the [WTCServer](#) element.

Attributes

Table 83-1 WTCEExportMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
EJBName	<p>Defines the complete name of the EJB home interface to use when invoking a service. If not specified, the default interface used is <code>tuxedo.services.servicenameHome</code>.</p> <p>For example: If the service being invoked is TOUPPER and EJBName attribute is not specified, the home interface looked up in JNDI would be <code>tuxedo.services.TOUPPERHome</code>.</p>		EJB Name
LocalAccessPoint	<p>Defines the name of the local access point that exports the service.</p>		Local Access Point
Name	<p>The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.</p>		Name
Notes	<p>Optional information that you can include to describe this configuration.</p>		Notes
RemoteName	<p>Defines the remote name of the service. If not specified, the ResourceName attribute is used.</p>		Remote Name
ResourceName	<p>Defines the name used to identify an exported service.</p> <p>The combination of the ResourceName and LocalAccessPoint attributes must be unique within a WTCEExportMbean.</p>		Resource Name

84 WTCImport

Description

This interface provides access to the WTC import configuration attributes. The methods defined herein are applicable for WTC configuration at the WLS domain level.

Syntax

```
<!ELEMENT WTCImport EMPTY >

<!ATTLIST WTCImport
  LocalAccessPoint      CDATA          #REQUIRED
  Name                  CDATA          #REQUIRED
  Notes                 CDATA          #IMPLIED
  RemoteAccessPointList CDATA          #REQUIRED
  RemoteName            CDATA          #IMPLIED
  ResourceName          CDATA          #REQUIRED
>
```

Parent Elements

The WTCImport element is a child of the [WTCServer](#) element.

Attributes

Table 84-1 WTCImportMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
LocalAccessPoint	Defines the name of the local access point that offers the service.		Local Access Point

Table 84-1 WTCImportMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
RemoteAccessPoint List	Defines a comma-separated failover list that identifies the remote domain access points through which resources are imported. p> Example: TDOM1,TDOM2,TDOM3		Remote Access Point List
RemoteName	Defines the remote name of the service. If not specified, the ResourceName attribute is used.		Remote Name
ResourceName	Defines the name used to identify an imported service. The combination of the ResourceName, LocalAccessPoint and RemoteAccessPointList attributes must be unique within a WTCImportMbean.		Resource Name

85 WTCLocalTuxDom

Description

This interface provides access to the WTC local Tuxedo Domain configuration attributes. The methods defined herein are applicable for WTC configuration at the WLS domain level.

Syntax

```
<!ELEMENT WTCLocalTuxDom EMPTY >

<!ATTLIST WTCLocalTuxDom
  AccessPoint          CDATA          #REQUIRED
  AccessPointId        CDATA          #REQUIRED
  BlockTime            CDATA          "60"
  CmpLimit             CDATA          "2147483647"
  ConnPrincipalName    CDATA          #IMPLIED
  ConnectionPolicy     (ON_DEMAND |
                       ON_STARTUP |
                       INCOMING_ONLY) "ON_DEMAND"
  Interoperate         CDATA          "No"
  MaxEncryptBits       (0 | 40 | 56 | 128) "128"
  MaxRetries           CDATA          "9223372036854775807"
  MinEncryptBits       (0 | 40 | 56 | 128) "0"
  NWAddr              CDATA          #REQUIRED
  Name                 CDATA          #REQUIRED
  Notes                CDATA          #IMPLIED
  RetryInterval        CDATA          "60"
  Security             (NONE | APP_PW | DM_PW) "NONE"
>
```

Parent Elements

The WTCLocalTuxDom element is a child of the [WTCTServer](#) element.

Attributes

Table 85-1 WTCLocalTuxDomMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AccessPoint	Defines a unique name within the scope of MBean types WTCLocalTuxDom and WTCRemoteTuxDom used to identify the access point or domain.		Access Point
AccessPointId	Defines the domain access point identifier. This identifier is a unique name across all local and remote domain access points.		Access Point Id
BlockTime	Defines the maximum wait time (seconds) allowed for a blocking call.	<i>Default:</i> 60 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647	Blocking Time Out
CmpLimit	Defines the compression threshold used when sending data to a remote domain. Application buffers larger than this size are compressed.	<i>Default:</i> 2147483647 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647	Compression Limit
ConnPrincipalName	<p>Defines the principal name used to verify the identity of this domain when establishing a connection to another domain.</p> <p>ul> This parameter only applies to domains of type TDOMAIN that are running BEA Tuxedo 7.1 or later software. li>If not specified, the connection principal name defaults to the AccessPointID for this domain.</p> <p>Note: ConnectionPrincipalName is not supported in this release.</p>		Connection Principal Name

Table 85-1 WTCLocalTuxDomMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ConnectionPolicy	<p>Defines the conditions under which a local domain tries to establish a connection to a remote domain.</p> <ul style="list-style-type: none">■ ON_DEMAND: A connection is attempted only when requested by either a client request to a remote service or an administrative connect command.■ ON_STARTUP: A domain gateway attempts to establish a connection with its remote domain access points at gateway server initialization time. Remote services (services advertised in JNDI by the domain gateway for this local access point) are advertised only if a connection is successfully established to that remote domain access point. If there is no active connection to a remote domain access point, then the remote services are suspended. By default, this connection policy retries failed connections every 60 seconds. Use the <code>MaxRetry</code> and <code>RetryInterval</code> attributes to specify application specific values.■ INCOMING_ONLY: A domain gateway does not attempt an initial connection to remote domain access points at startup and remote services are initially suspended. The domain gateway is available for incoming connections from remote domain access points and remote services are advertised when the domain gateway for this local domain access point receives an incoming connection. Connection retry processing is not allowed.	<p><i>Default:</i> "ON_DEMAND"</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none">■ "ON_DEMAND"■ "ON_STARTUP"■ "INCOMING_ONLY"	Connection Policy

Table 85-1 *WTCLocalTuxDomMBean* Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Interoperate	Specifies whether the local domain interoperates with remote domains that are based upon Tuxedo release 6.5. If Yes, the local domain interoperates with a Tuxedo 6.5 domain.	<i>Default:</i> "No"	Interoperate
MaxEncryptBits	<p>Defines the maximum encryption key length (in bits) used when establishing a network connection for a local domain.</p> <ul style="list-style-type: none"> ■ A value of 0 indicates no encryption is used. ■ The value of the MaxEncryptBits attribute must be greater than or equal to the value of the MinEncrypBits attribute. ■ A MaxEncryptBits of 40 can be used only with domains running Tuxedo 7.1 or higher. 	<p><i>Default:</i> "128"</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none"> ■ "0" ■ "40" ■ "56" ■ "128" 	Max Encryption Level
MaxRetries	<p>Defines the number of times that a domain gateway tries to establish connections to remote domain access points. Use only when Connection Policy is set to ON_STARTUP.</p> <ul style="list-style-type: none"> ■ Use the minimum value to disable the retry mechanism. ■ Use the maximum value to try until a connection is established. 	<p><i>Default:</i> 92233720368547 75807</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Max Retries

Table 85-1 WTCLocalTuxDomMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MinEncryptBits	<p>Defines the minimum encryption key length (in bits) used when establishing a network connection for a local domain.</p> <ul style="list-style-type: none">■ A value of 0 indicates no encryption is used.■ The value of the MinEncryptBits attribute must be less than or equal to the value of the MaxEncryptBits attribute.■ A MinEncryptBits of 40 can be used only with domains running Tuxedo 7.1 or higher.	<p><i>Default:</i> "0"</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none">■ "0"■ "40"■ "56"■ "128"	Min Encryption Level
NWAddr	<p>Defines the network address of the local domain gateway. Specify the TCP/IP address in one of the following formats:</p> <ul style="list-style-type: none">■ //hostname:port_number■ //#. #. #. #:port_number <p>If the hostname is used, the domain finds an address for hostname using the local name resolution facilities (usually DNS). If dotted decimal format is used, each # should be a number from 0 to 255. This dotted decimal number represents the IP address of the local machine. The port_number is the TCP port number at which the domain process listens for incoming requests.</p>		Network Address
Name	<p>The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.</p>		Name
Notes	<p>Optional information that you can include to describe this configuration.</p>		Notes

Table 85-1 *WTCLocalTuxDomMBean* Element Attributes

Attribute	Description	Range of Values and Default	Console Label
RetryInterval	Defines the number of seconds between automatic attempts to establish a connection to remote domain access points. Use only when Connection Policy is set to ON_STARTUP.	<i>Default:</i> 60 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647	Retry Interval
Security	Defines the type of application security enforced. <ul style="list-style-type: none"> ■ NONE: No security is used. ■ APP_PW: Password security is enforced when a connection is established from a remote domain. The application password is defined in the WTCResourcesMBean. ■ DM_PW: Domain password security is enforced when a connection is established from a remote domain. The domain password is defined in the WTCPasswordsMBean. 	<i>Default:</i> "NONE" <i>Valid values:</i> <ul style="list-style-type: none"> ■ "NONE" ■ "APP_PW" ■ "DM_PW" 	Security

86 WTCPassword

Description

This interface provides access to the WTC password configuration attributes. The methods defined herein are applicable for WTC configuration at the WLS domain level.

Syntax

```
<!ELEMENT WTCPassword EMPTY >

<!ATTLIST WTCPassword
  LocalAccessPoint      CDATA          #REQUIRED
  LocalPassword         CDATA          #REQUIRED
  LocalPasswordIV      CDATA          #REQUIRED
  Name                  CDATA          #REQUIRED
  Notes                 CDATA          #IMPLIED
  RemoteAccessPoint    CDATA          #REQUIRED
  RemotePassword       CDATA          #REQUIRED
  RemotePasswordIV    CDATA          #REQUIRED
>
```

Parent Elements

The WTCPassword element is a child of the [WTCServer](#) element.

Attributes

Table 86-1 WTCPassWordMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
LocalAccessPoint	Defines the name of the local access point to which the password applies.		Local Access Point
LocalPassword	Defines the LocalPassword as returned from the <code>genpasswdutility</code> . This password is used to authenticate connections between the local domain access point identified by LocalAccessPoint and the remote domain access point identified by RemoteAccessPoint		Local Password
LocalPasswordIV	Defines the initialization vector used to encrypt the local password.		Local Password IV
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
RemoteAccessPoint	Defines the name of the remote access point to which the password applies.		Remote Access Point
RemotePassword	Defines the RemotePassword as returned from the <code>genpasswdutility</code> . This password is used to authenticate connections between the local domain access point identified by LocalAccessPoint and the remote domain access point identified by RemoteAccessPoint		Remote Password
RemotePasswordIV	Defines the initialization vector used to encrypt the remote password.		Remote Password IV

87 WTCRemoteTuxDom

Description

This interface provides access to the WTC remote Tuxedo Domain configuration attributes. The methods defined herein are applicable for WTC configuration at the WLS domain level.

Syntax

```
<!ELEMENT WTCRemoteTuxDom EMPTY >

<!ATTLIST WTCRemoteTuxDom
  AccessPoint          CDATA          #REQUIRED
  AccessPointId       CDATA          #REQUIRED
  AclPolicy            (GLOBAL | LOCAL) "LOCAL"
  CmpLimit            CDATA          "2147483647"
  ConnPrincipalName   CDATA          #IMPLIED
  ConnectionPolicy    (ON_DEMAND |
                      ON_STARTUP |
                      INCOMING_ONLY | LOCAL) "ON_DEMAND"
  CredentialPolicy    (GLOBAL | LOCAL) "LOCAL"
  FederationName      CDATA          #IMPLIED
  FederationURL       CDATA          #IMPLIED
  LocalAccessPoint    CDATA          #REQUIRED
  MaxEncryptBits      (0 | 40 | 56 | 128) "128"
  MaxRetries          CDATA          "-1"
  MinEncryptBits      (0 | 40 | 56 | 128) "0"
  NWAddr             CDATA          #REQUIRED
  Name                CDATA          #REQUIRED
  Notes              CDATA          #IMPLIED
  RetryInterval       CDATA          "-1"
  TpUsrFile          CDATA          #IMPLIED
>
```

Parent Elements

The WTCRemoteTuxDom element is a child of the [WTCServer](#) element.

Attributes

Table 87-1 WTCRemoteTuxDomMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AccessPoint	Defines a unique name within the scope of MBean types WTCLocalTuxDom and WTCRemoteTuxDom used to identify the access point or domain.		Access Point
AccessPointId	Defines the domain access point identifier. This identifier is unique across all local and remote domain access points.		Access Point Id
AclPolicy	<p>Defines the inbound access control list (ACL) policy toward requests from a remote domain.</p> <ul style="list-style-type: none"> ■ If Interoperate is set to Yes, AclPolicy is ignored. ■ LOCAL: The local domain modifies the identity of service requests received from a given remote domain to the principal name specified in the local principal name for a given remote domain. ■ GLOBAL: The local domain passes the service request with no change in identity. 	<p><i>Default:</i> "LOCAL"</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none"> ■ "GLOBAL" ■ "LOCAL" 	Acl Policy
CmpLimit	Defines the compression threshold used when sending data to a remote domain. Application buffers larger than this size are compressed.	<p><i>Default:</i> 2147483647</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Cmp Limit

Table 87-1 WTCRemoteTuxDomMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ConnPrincipalName	<p>Defines the principal name used to verify the identity of this domain when establishing a connection to another domain.</p> <ul style="list-style-type: none">■ This parameter only applies to domains of type TDOMAIN that are running BEA Tuxedo 7.1 or later software.■ If not specified, the connection principal name defaults to the AccessPointID for this domain. <p>Note: ConnectionPrincipalName is not supported in this release.</p>		Connection Principal Name

Table 87-1 WTCRemoteTuxDomMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ConnectionPolicy	<p>Defines the conditions under which a local domain tries to establish a connection to a remote domain.</p> <ul style="list-style-type: none"> ■ ON_DEMAND: A connection is attempted only when requested by either a client request to a remote service or an administrative connect command. ■ ON_STARTUP: A domain gateway attempts to establish a connection with its remote domain access points at gateway server initialization time. Remote services (services advertised in JNDI by the domain gateway for this local access point) are advertised only if a connection is successfully established to that remote domain access point. If there is no active connection to a remote domain access point, then the remote services are suspended. By default, this connection policy retries failed connections every 60 seconds. Use the MaxRetry and RetryInterval attributes to specify application specific values. ■ INCOMING_ONLY: A domain gateway does not attempt an initial connection to remote domain access points at startup and remote services are initially suspended. The domain gateway is available for incoming connections from remote domain access points and remote services are advertised when the domain gateway for this local domain access point receives an incoming connection. Connection retry processing is not allowed. 	<p><i>Default:</i> "ON_DEMAND"</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none"> ■ "ON_DEMAND" ■ "ON_STARTUP" ■ "INCOMING_ONLY" ■ "LOCAL" 	Connection Policy

Table 87-1 WTCRemoteTuxDomMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
CredentialPolicy	<p>Defines the outbound access control list (ACL) policy toward requests to a remote domain.</p> <ul style="list-style-type: none">■ If Interoperate is set to Yes, CredentialPolicy is ignored.■ LOCAL: The remote domain controls the identity of service requests received from the local domain to the principal name specified in the local principal name for this remote domain.■ GLOBAL: The remote domain passes the service request with no change.	<p><i>Default:</i> "LOCAL"</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none">■ "GLOBAL"■ "LOCAL"	Credential Policy
FederationName	<p>Defines the context at which to federate to a foreign name service. If omitted then the federation point is <code>tuxedo.domains</code>.</p>		Federation Name
FederationURL	<p>Defines the URL for a foreign name service that is federated into JNDI. If omitted:</p> <ul style="list-style-type: none">■ WebLogic Tuxedo Connector assumes there is a CosNaming server in the foreign domain.■ WebLogic Tuxedo Connector federates to the CosNaming server using TGIOP. <p>WebLogic Tuxedo Connector can to federate to non-CORBA service providers.</p>		Federation URL
LocalAccessPoint	<p>Defines the local domain name from which a remote domain is reached.</p>		Local Access Point

Table 87-1 WTCRemoteTuxDomMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
MaxEncryptBits	<p>Defines the maximum encryption key length (in bits) used when establishing a network connection for a local domain.</p> <ul style="list-style-type: none"> ■ A value of 0 indicates no encryption is used. ■ The value of the MaxEncryptBits attribute must be greater than or equal to the value of the MinEncrypBits attribute. ■ A MaxEncryptBits of 40 can be used only with domains running Tuxedo 7.1 or higher. 	<p><i>Default:</i> "128"</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none"> ■ "0" ■ "40" ■ "56" ■ "128" 	Max Encryption Level
MaxRetries	<p>Defines the number of times that a domain gateway tries to establish connections to remote domain access points. Use only when Connection Policy is set to ON_STARTUP.</p> <ul style="list-style-type: none"> ■ Use -1 to default to the value defined by the WTCLocalTuxDomMBean MaxRetries attribute. li>Use 0 to disable the retry mechanism. ■ Use the maximum value to try until a connection is established. 	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 92233720368547 75807</p>	Max Retries
MinEncryptBits	<p>Defines the minimum encryption key length (in bits) used when establishing a network connection for a local domain.</p> <ul style="list-style-type: none"> ■ A value of 0 indicates no encryption is used. ■ The value of the MinEncrypBits attribute must be less than or equal to the value of the MaxEncryptBits attribute. ■ A MinEncrypBits of 40 can be used only with domains running Tuxedo 7.1 or higher. 	<p><i>Default:</i> "0"</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none"> ■ "0" ■ "40" ■ "56" ■ "128" 	Min Encryption Level

Table 87-1 WTCRemoteTuxDomMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
NWAddr	<p>Defines the network address of the local domain gateway. Specify the TCP/IP address in one of the following formats:</p> <ul style="list-style-type: none">■ //hostname:port_number■ //#. #. #. #:port_number <p>If the hostname is used, the domain finds an address for hostname using the local name resolution facilities (usually DNS). If dotted decimal format is used, each # should be a number from 0 to 255. This dotted decimal number represents the IP address of the local machine. The port_number is the TCP port number at which the domain process listens for incoming requests.</p>		Network Address
Name	<p>The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.</p>		Name
Notes	<p>Optional information that you can include to describe this configuration.</p>		Notes
RetryInterval	<p>Defines the number of seconds between automatic attempts to establish a connection to remote domain access points.</p> <p>ul></p> <p>Use only when Connection Policy is set to ON_STARTUP.</p> <p>Use -1 to default to the value defined by the WTCLocalTuxDomMBean RetryInterval attribute.</p>	<p><i>Default:</i> -1</p> <p><i>Minimum:</i> -1</p> <p><i>Maximum:</i> 2147483647</p>	Retry Interval

Table 87-1 WTCRemoteTuxDomMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
TpUsrFile	Defines the full path to user password file containing uid/gid information. This file is the same one generated by the Tuxedo <code>tpusraddutility</code> on the remote domain. Username, uid and gid information must be included and valid for correct authorization, authentication, and auditing.		Tp User File

88 WTCResources

Description

This interface provides access to the WTC resources configuration attributes. The methods defined herein are applicable for WTC configuration at the WLS domain level.

Syntax

```
<!ELEMENT WTCResources EMPTY >

<!ATTLIST WTCResources
  AppPassword          CDATA          #IMPLIED
  AppPasswordIV        CDATA          #IMPLIED
  FldTbl116Classes     CDATA          #IMPLIED
  FldTbl132Classes     CDATA          #IMPLIED
  Name                  CDATA          #REQUIRED
  Notes                 CDATA          #IMPLIED
  ViewTbl116Classes    CDATA          #IMPLIED
  ViewTbl132Classes    CDATA          #IMPLIED
>
```

Parent Elements

The WTCResources element is a child of the [Domain](#) element.

Attributes

Table 88-1 WTCResourcesMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AppPassword	Defines the application password as returned from the <code>genpasswordutility</code> . This Tuxedo application password is the encrypted password used to authenticate connections.		App Password
AppPasswordIV	Defines the initialization vector used to encrypt the AppPassword. It is returned from the <code>genpasswordutility</code> with the AppPassword.		App Password IV
FldTbl16Classes	Defines the names of FldTbl16Classes which are loaded via a class loader and added to a FldTbl array. ul> Used fully qualified names of the desired classes. li>Use a comma-separated list to enter multiple classes.		FldTbl classes
FldTbl32Classes	Defines the names of FldTbl32Classes which are loaded via a class loader and added to a FldTbl array. ul> Used fully qualified names of the desired classes. li>Use a comma-separated list to enter multiple classes.		FldTbl32 classes
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

Table 88-1 WTCResourcesMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
ViewTbl16Classes	Defines the names of ViewTbl16Classes which are loaded via a class loader and added to a ViewTbl array. <ul style="list-style-type: none">Used fully qualified names of the desired classes. Use a comma-separated list to enter multiple classes.		ViewTbl classes
ViewTbl32Classes	Defines the names of ViewTbl32Classes which are loaded via a class loader and added to a ViewTbl array. <ul style="list-style-type: none">Used fully qualified names of the desired classes. Use a comma-separated list to enter multiple classes.		ViewTbl32 classes

89 WTCServer

Description

This MBean defines a WTC Server.

Syntax

```
<!ELEMENT WTCServer ( WTCLocalTuxDom* | WTCRemoteTuxDom* | WTCExport* |
  WTCImport* | WTCPassword* | WTCtBridgeRedirect* )* >

<!ATTLIST WTCServer
  DeploymentOrder      CDATA          "1000"
  Name                 CDATA          #REQUIRED
  Notes                CDATA          #IMPLIED
  Resource             CDATA          #IMPLIED
  Targets              CDATA          #IMPLIED
  tBridgeGlobal        CDATA          #IMPLIED
>
```

Parent Elements

The WTCServer element is a child of the [Domain](#) element.

Attributes

Table 89-1 WTCServerMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DeploymentOrder	<p>A priority that the server uses to determine when it deploys an item. The priority is relative to other deployable items of the same type. For example, the server prioritizes and deploys all startup classes before it prioritizes and deploys EJBs.</p> <p>Items with the lowest Deployment Order value are deployed first. There is no guarantee on the order of deployments with equal Deployment Order values. There is no guarantee of ordering across clusters.</p>	<p><i>Default:</i> 1000</p> <p><i>Minimum:</i> 0</p> <p><i>Maximum:</i> 2147483647</p>	Deployment Order
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
Resource	The Tuxedo domain resources mbean defined for the WTC Server.		Resource
Targets	The targets in the current domain on which this item can be deployed.		Targets
tBridgeGlobal	The tBridge Global mbean defined for the WTC Server.		t Bridge Global

90 WTCtBridgeGlobal

Description

This interface provides access to the WTC tBridge Global configuration attributes. The methods defined herein are applicable for tBridge configuration at the WLS domain level.

Syntax

```
<!ELEMENT WTCtBridgeGlobal EMPTY >

<!ATTLIST WTCtBridgeGlobal
  AllowNonStandardTypes          CDATA                "NO"
  DefaultReplyDeliveryMode       ( PERSIST | NONPERSIST |
                                DEFAULT )              #IMPLIED
  DeliveryModeOverride           ( PERSIST | NONPERSIST ) #IMPLIED
  JmsFactory                     CDATA                #REQUIRED
  JmsToTuxPriorityMap            CDATA                #IMPLIED
  JndiFactory                    CDATA                #REQUIRED
  Name                           CDATA                #REQUIRED
  Notes                          CDATA                #IMPLIED
  Retries                        CDATA                "0"
  RetryDelay                     CDATA                "10"
  Timeout                        CDATA                "60"
  Transactional                  CDATA                "YES"
  TuxErrorQueue                 CDATA                #IMPLIED
  TuxFactory                     CDATA                #REQUIRED
  TuxToJmsPriorityMap            CDATA                #IMPLIED
  UserId                         CDATA                #IMPLIED
  WlsErrorDestination           CDATA                #IMPLIED
>
```

Parent Elements

The WTCtBridgeGlobal element is a child of the [Domain](#) element.

Attributes

Table 90-1 WTctBridgeGlobalMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
AllowNonStandardTypes	<p>Defines a flag used to specify if non-standard data types are allowed to pass through the tBridge. Standard types are: ASCII text (TextMessage, STRING), or BLOB (BytesMessage, CARRAY).</p> <ul style="list-style-type: none"> ■ NO: Non-standard types are rejected and placed onto a specified error location. ■ YES: Non-standard types are placed on the target location as BLOBs with a tag indicating the original type. 	<i>Default:</i> "NO"	Allow Non Standard Types
DefaultReplyDeliveryMode	<p>Defines the reply delivery mode to associate with a message when placing messages onto the target location.</p> <ul style="list-style-type: none"> ■ Use when messages are being redirected to Tuxedo/Q from JMS and the JMS_BEA_TuxGateway_Tuxedo_ReplyDeliveryMode property is not set for a message. ■ If the defaultReplyDeliveryMode and JMS_BEA_TuxGateway_Tuxedo_ReplyDeliveryMode are not set, the default semantics defined for Tuxedo are enforced by the Tuxedo/Q subsystem. 	<p><i>Valid values:</i></p> <ul style="list-style-type: none"> ■ "PERSIST" ■ "NONPERSIST" ■ "DEFAULT" 	Default Reply Delivery Mode

Table 90-1 WTCTBridgeGlobalMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DeliveryModeOverride	Defines the delivery mode to use when placing messages onto the target location. <ul style="list-style-type: none">■ Overrides any delivery mode associated with a message.■ If not specified, the message is placed on the target location with the same delivery mode specified from the source location.	<i>Valid values:</i> <ul style="list-style-type: none">■ "PERSIST"■ "NONPERSIST"	Delivery Mode Override
JmsFactory	Defines the name of the JMS connection factory. Example: <code>weblogic.jms.ConnectionFactory</code>		JMS Factory
JmsToTuxPriorityMap	Defines the mapping of priorities from JMS to Tuxedo. There are 10 possible JMS priorities (0=>9) which can be paired to 100 possible Tuxedo priorities (1=>100). A mapping consists of a " " separated list of value-to-range pairs (jmsvalue:tuxrange) where pairs are separated by ":" and ranges are separated by "-". Examples 0:1 1:12 2:23 3:34 4:45 5:56 6:67 7:78 8:89 9:100 OR 0:1-10 1:11-20 2:21-30 3:31-40 4:41-50 5:51-60 6:61-70 7:71-80 8:81-90 9:91-100		Jms To Tux Priority Map
JndiFactory	Defines the name of the JNDI lookup factory. Example: <code>weblogic.jndi.WLInitialContextFactory</code>		JNDI Factory

Table 90-1 WTCTBridgeGlobalMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
Retries	Defines the number of attempts to redirect a message before putting the message in the specified error location and logging an error.	<i>Default:</i> 0 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647	Retries
RetryDelay	Defines the minimum amount of time (milliseconds) to wait before redirecting a message after a failure. During this time, no other messages are redirected from the thread. Other threads may continue to redirect messages.	<i>Default:</i> 10 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647	Retry Delay
Timeout	Defines the effective length of a timeout for an entire redirection (seconds) when placing a message on the target location. 0 indicates an infinite wait.	<i>Default:</i> 60 <i>Minimum:</i> 0 <i>Maximum:</i> 2147483647	Timeout
Transactional	Defines a flag that specifies the use of transactions when retrieving messages from a source location and when placing messages on a target location. <ul style="list-style-type: none"> ■ If YES, transactions are used for both operations. ■ If NO, transactions are not used for either operation. 	<i>Default:</i> "YES"	Transactional

Table 90-1 WTCTBridgeGlobalMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
TuxErrorQueue	<p>Defines the name of the Tuxedo queue used to store a message that cannot be redirected to a Tuxedo/Q source queue. This queue is in the same queue space as the source queue.</p> <ul style="list-style-type: none">■ If not specified, all messages not redirected are lost.■ If the message cannot be placed into the TuxErrorQueue, an error is logged and the message is lost.		Tuxedo Error Queue
TuxFactory	<p>Defines the name of the Tuxedo connection factory. Example: <code>tuxedo.services.TuxedoConnection</code></p>		Tuxedo Factory
TuxToJmsPriorityMap	<p>Defines the mapping of priorities to map from Tuxedo to JMS. There are 100 possible Tuxedo priorities (1=>100) which can be paired to 10 possible JMS priorities (0=>9). A mapping consists of a " " separated list of value-to-range pairs (tuxvalue:jmsrange) where pairs are separated by ":" and ranges are separated by "-".</p> <p>Examples:</p> <p>1:0 12:1 23:2 34:3 45:4 56:5 67:6 78:7 89:8 100:9</p> <p>OR</p> <p>20:0-1 40:2-3 60:4-5 80:6-7 100:8-9</p>		Tux To Jms Priority Map

Table 90-1 WTcBridgeGlobalMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
UserId	<p>Defines a user identity for all messages handled by the tBridge for ACL checks when security is configured.</p> <ul style="list-style-type: none"> ■ All messages assume this identity until the security/authentication contexts are passed between the subsystems. Until the security contexts are passed, there is no secure method to identify who generated a message received from the source location. The argument user may be specified as either a user name or a user identification number (uid). 		User Id
WlsErrorDestination	<p>Defines the name of the location used to store WebLogic Server JMS messages when a message cannot be redirected.</p> <ul style="list-style-type: none"> ■ If not specified, all messages not redirected are lost. ■ If the message cannot be placed into <code>WlsErrorDestination</code> for any reason, an error is logged and the message is lost. 		WLS Error Destination

91 WTCtBridgeRedirect

Description

This interface provides access to the WTC tBridge Redirect configuration attributes. The methods defined herein are applicable for tBridge configuration at the WLS domain level.

Syntax

```
<!ELEMENT WTCtBridgeRedirect EMPTY >

<!ATTLIST WTCtBridgeRedirect
  Direction          (JmsQ2TuxQ | TuxQ2JmsQ |
                    JmsQ2TuxS | JmsQ2JmsQ) #REQUIRED
  MetadataFile      CDATA #IMPLIED
  Name              CDATA #REQUIRED
  Notes            CDATA #IMPLIED
  ReplyQ           CDATA #IMPLIED
  SourceAccessPoint CDATA #IMPLIED
  SourceName        CDATA #REQUIRED
  SourceQspace      CDATA #IMPLIED
  TargetAccessPoint CDATA #IMPLIED
  TargetName        CDATA #REQUIRED
  TargetQspace      CDATA #IMPLIED
  TranslateFML      (NO | FLAT | WLXT) "NO"
>
```

Parent Elements

The WTCtBridgeRedirect element is a child of the [WTCServer](#) element.

Attributes

Table 91-1 WTcTBridgeRedirectMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
Direction	<p>Defines the direction of data flow. Each defined direction is handled by starting a new thread. At least one redirection must be specified in the tBridge configuration or the tBridge will fail to start and an error will be logged.</p> <p>Redirection keywords:</p> <ul style="list-style-type: none"> ■ JmsQ2TuxQ - From JMS to TUXEDO /Q ■ TuxQ2JmsQ - From TUXEDO /Q to JMS ■ JmsQ2TuxS - From JMS to TUXEDO Service reply to JMS ■ JmsQ2JmsQ - From JMS to JMS 	<p><i>Valid values:</i></p> <ul style="list-style-type: none"> ■ "JmsQ2TuxQ" ■ "TuxQ2JmsQ" ■ "JmsQ2TuxS" ■ "JmsQ2JmsQ" 	Direction
MetaDataFile	<p>Defines the name of the metadataFile URL used to passed to the call WLXT.</p> <p>Note: Not supported for this release.</p>		Meta Data File
Name	<p>The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.</p>		Name
Notes	<p>Optional information that you can include to describe this configuration.</p>		Notes
ReplyQ	<p>Defines the name of the JMS queue used specifically for synchronous calls to a TUXEDO service. The response is returned to the JMS ReplyQ.</p>		Reply Q
SourceAccessPoint	<p>Defines the name of the local or remote access point where the source is located.</p>		Source Access Point

Table 91-1 WTCTBridgeRedirectMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
SourceName	Defines the name of a source queue or service. Specify a JMS queue name, a TUXEDO queue name, or the name of a TUXEDO service.		Source Name
SourceQspace	Defines the name of the Qspace for a source location.		Source Qspace
TargetAccessPoint	Defines the name of the local or remote access point where the target is located.		Target Access Point
TargetName	Defines a target queue or service. Specify a JMS queue name, a TUXEDO queue name, or the name of a TUXEDO service.		Target Name
TargetQspace	Defines the name of the Qspace for a target location.		Target Qspace
TranslateFML	<p>Defines the type of XMI/FML translation.</p> <ul style="list-style-type: none">■ NO: No data translation is performed. <code>TextMessage</code> maps into <code>STRING</code> and vice versa depending on the direction of transfer. <code>BytesMessage</code> maps into <code>CARRAY</code> and vice versa. All other data types cause the redirection to fail.■ FLAT: The message payload is transformed using the WebLogic Tuxedo Connector translator.■ WLXT: Translation performed by the XML-to-non-XML WebLogic XML Translator (WLXT). <p>Note: WLXT is not supported for this release.</p>	<p><i>Default:</i> "NO"</p> <p><i>Valid values:</i></p> <ul style="list-style-type: none">■ "NO"■ "FLAT"■ "WLXT"	TranslateFML

92 XMLEntityCache

Description

Configure the behavior of JAXP (Java API for XML Parsing) in the server.

Syntax

```
<!ELEMENT XMLEntityCache EMPTY >

<!ATTLIST XMLEntityCache
  CacheDiskSize          CDATA          "5"
  CacheLocation          CDATA          "xmlcache"
  CacheMemorySize       CDATA          "500"
  CacheTimeoutInterval  CDATA          "120"
  MaxSize                CDATA          "0"
  Name                   CDATA          #REQUIRED
  Notes                  CDATA          #IMPLIED
>
```

Parent Elements

The XMLEntityCache element is a child of the [Domain](#) element.

Attributes

Table 92-1 XMLEntityCacheMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
CacheDiskSize	The disk size in MBytes of the cache.	<i>Default:</i> 5 <i>Minimum:</i> 0	Cache Disk Size

Table 92-1 XMLEntityCacheMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
CacheLocation	The path name of the persistent cache files.	<i>Default:</i> "xmlcache"	Cache Location
CacheMemorySize	The memory size in KBytes of the cache.	<i>Default:</i> 500 <i>Minimum:</i> 0	Cache Memory Size
CacheTimeoutInterval	The default timeout interval in seconds for the cache.	<i>Default:</i> 120 <i>Minimum:</i> 0	Cache Timeout Interval
MaxSize		<i>Default:</i> 0	Max Size
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes

93 XMLEntitySpecRegistryEntry

Description

This is an entry in the XML registry. An XML registry entry is configuration information associated with a particular XML document type. Entries accessed through this interface are used to specify a local instance for a remote entity reference. For this type of registry entry the document type is identified by either or both of: 1) a public ID (e.g, "-//Sun Microsystems, Inc.//DTD Enterprise JavaBeans 2.0//EN" 2) a system ID (e.g, "http://java.sun.com/j2ee/dtds/ejb-jar_2_0.dtd") This configuration information is used by the WebLogic JAXP implementation to set up SAX EntityResolvers.

Syntax

```
<!ELEMENT XMLEntitySpecRegistryEntry EMPTY >

<!ATTLIST XMLEntitySpecRegistryEntry
  CacheTimeoutInterval    CDATA          "-1"
  EntityURI                CDATA          #IMPLIED
  Name                     CDATA          #REQUIRED
  Notes                    CDATA          #IMPLIED
  PublicId                 CDATA          #IMPLIED
  SystemId                 CDATA          #IMPLIED
  WhenToCache              (cache-on-reference |
                           cache-at-initialization |
                           cache-never |
                           defer-to-registry-setting)
                           "defer-to-registry-setting"
>
```

Parent Elements

The XMLEntitySpecRegistryEntry element is a child of the [XMLRegistry](#) element.

Attributes

Table 93-1 XMLEntitySpecRegistryEntryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
CacheTimeoutInterval	The default timeout interval in seconds for the cache. A value of -1 causes this value to be delegated from the cache MBean.	<i>Default:</i> -1 <i>Minimum:</i> -1	Cache Timeout Interval
EntityURI	The location of a local copy of an external entity (e.g., a DTD) that is associated with this registry entry. The location is either a pathname relative to one of the XML registry directories of the installation, or is a URI of the entity location in some local repository (e.g. dbms).		EntityURI
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
PublicId	The public id of the document type represented by this registry entry.		Public Id
SystemId	The system id of the document type represented by this registry entry.		System Id

Table 93-1 XMLEntitySpecRegistryEntryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
WhenToCache	Set whether to cache this item as soon as possible or wait until it is referenced.	<i>Default:</i> "defer-to-registry-setting" <i>Valid values:</i> <ul style="list-style-type: none">■ "cache-on-reference"■ "cache-at-initialization"■ "cache-never"■ "defer-to-registry-setting"	When To Cache

94 XMLParserSelectRegistryEntry

Description

This is an entry in the XML registry. An XML registry entry is configuration information associated with a particular XML document type. Entries accessed through this interface are used to specify a Sax parser and/or document builder of the provided document type. The document type is identified by one or more of the following: 1) a public ID (e.g, "-//Sun Microsystems, Inc.//DTD Enterprise JavaBeans 2.0//EN" 2) a system ID (e.g, "http://java.sun.com/j2ee/dtds/ejb-jar_2_0.dtd") 3) a document root tag name (e.g., "ejb-jar") This configuration information is used by the WebLogic JAXP implementation to choose the appropriate parser factories (SAX and DOM).

Syntax

```
<!ELEMENT XMLParserSelectRegistryEntry EMPTY >
<!ATTLIST XMLParserSelectRegistryEntry
  DocumentBuilderFactory    CDATA          #IMPLIED
  Name                     CDATA          #REQUIRED
  Notes                    CDATA          #IMPLIED
  ParserClassName         CDATA          #IMPLIED
  PublicId                 CDATA          #IMPLIED
  RootElementTag          CDATA          #IMPLIED
  SAXParserFactory        CDATA          #IMPLIED
  SystemId                 CDATA          #IMPLIED
  TransformerFactory       CDATA          #IMPLIED
>
```

Parent Elements

The XMLParserSelectRegistryEntry element is a child of the [XMLRegistry](#) element.

Attributes

Table 94-1 XMLParserSelectRegistryEntryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DocumentBuilderFactory	The class name of the DocumentBuilderFactory that is associated with the registry entry.		Document Builder Factory
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
ParserClassName	Return class name of any custom XML parser that is associated with the registry entry.		Parser Class Name
PublicId	The public id of the document type represented by this registry entry.		Public Id
RootElementTag	The tag name of the document root element of the document type represented by this registry entry.		Root Element Tag
SAXParserFactory	The class name of the SAXParserFactory that is associated with the registry entry.		SAXParser Factory
SystemId	The system id of the document type represented by this registry entry.		System Id
TransformerFactory	The class name of the default TransformerFactory		Transformer Factory

95 XMLRegistry

Description

Configure the behavior of JAXP (Java API for XML Parsing) in the server.

Syntax

```
<!ELEMENT XMLRegistry ( XMLRegistryEntry* | XMLParserSelectRegistryEntry* |
  XMLEntitySpecRegistryEntry* )* >

<!ATTLIST XMLRegistry
  DocumentBuilderFactory      CDATA
                             "weblogic.apache.xerces.jaxp.DocumentBuilderFactoryImpl"
  Name                       CDATA                               #REQUIRED
  Notes                      CDATA                               #IMPLIED
  SAXParserFactory          CDATA
                             "weblogic.apache.xerces.jaxp.SAXParserFactoryImpl"
  TransformerFactory        CDATA
                             "weblogic.apache.xalan.processor.TransformerFactoryImpl"
  WhenToCache               (cache-on-reference |
                             cache-at-initialization |
                             cache-never)                       "cache-on-reference"
>
```

Parent Elements

The XMLRegistry element is a child of the [Domain](#) element.

Attributes

Table 95-1 XMLRegistryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DocumentBuilderFactory	The class name of the default DocumentBuilderFactory	<i>Default:</i> "weblogic.apache.xerces.jaxp.DocumentBuilderFactoryImpl"	DocumentBuilderFactory
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
SAXParserFactory	The class name of the default SAXParserFactory	<i>Default:</i> "weblogic.apache.xerces.jaxp.SAXParserFactoryImpl"	SAXParserFactory
TransformerFactory	The class name of the default TransformerFactory	<i>Default:</i> "weblogic.apache.xalan.processor.TransformerFactoryImpl"	Transformer Factory
WhenToCache	Set whether to cache items as soon as possible or wait until referenced.	<i>Default:</i> "cache-on-reference" <i>Valid values:</i> <ul style="list-style-type: none"> ■ "cache-on-reference" ■ "cache-at-initialization" ■ "cache-never" 	When To Cache

96 XMLRegistryEntry

Description

This is an entry in the XML registry. An XML registry entry is configuration information associated with a particular XML document type. The document type is identified by one or more of the following: 1) a public ID (e.g, "-//Sun Microsystems, Inc.//DTD Enterprise JavaBeans 2.0//EN" 2) a system ID (e.g, "http://java.sun.com/j2ee/dtds/ejb-jar_2_0.dtd") 3) a document root tag name (e.g., "ejb-jar") In Haleakala this configuration information is used by the WebLogic JAXP implementation to choose the appropriate parser factories and parsers and to set up SAX EntityResolvers.

Syntax

```
<!ELEMENT XMLRegistryEntry EMPTY >

<!ATTLIST XMLRegistryEntry
  DocumentBuilderFactory    CDATA          #IMPLIED
  EntityPath                CDATA          #IMPLIED
  Name                      CDATA          #REQUIRED
  Notes                    CDATA          #IMPLIED
  ParserClassName          CDATA          #IMPLIED
  PublicId                 CDATA          #IMPLIED
  RootElementTag          CDATA          #IMPLIED
  SAXParserFactory         CDATA          #IMPLIED
  SystemId                 CDATA          #IMPLIED
>
```

Parent Elements

The XMLRegistryEntry element is a child of the [XMLRegistry](#) element.

Attributes

Table 96-1 XMLRegistryEntryMBean Element Attributes

Attribute	Description	Range of Values and Default	Console Label
DocumentBuilderFactory	The class name of the DocumentBuilderFactory that is associated with the registry entry.		Document Builder Factory
EntityPath	The path name to a local copy of an external entity (e.g., a DTD) that is associated with this registry entry. This pathname is relative to one of the XML registry directories of the installation.		Entity Path
Name	The name of this configuration. WebLogic Server uses an MBean to implement and persist the configuration.		Name
Notes	Optional information that you can include to describe this configuration.		Notes
ParserClassName	Return class name of any custom XML parser that is associated with the registry entry.		Parser Class Name
PublicId	The public id of the document type represented by this registry entry.		Public Id
RootElementTag	The tag name of the document root element of the document type represented by this registry entry.		Root Element Tag
SAXParserFactory	The class name of the SAXParserFactory that is associated with the registry entry.		SAXParserFactory
SystemId	The system id of the document type represented by this registry entry.		System Id

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