Sun Java System Application Server Platform Edition 8.2 Error Message Reference

Adobe PostScript™

060126@13215

Preface

This guide describes error messages you may encounter when using the Sun Java™ System Application Server 8.2 Enterprise Edition and Platform Edition software. The error messages described here can also be viewed with the Application Server Log Viewer.

Who Should Use This Book

The *Sun Java System Application Server Platform Edition 8.1 2005Q2 Error Message Reference* is intended for developers and administrators who use the Sun Java System Application Server to assemble and deploy distributed and Web-based applications.

This guide assumes you are familiar with the following topics:

- Java APIs as defined in the Java™ Servlet, JavaServer Pages™ (JSP™), Enterprise JavaBeans™ (EJB™), and Java Database Connectivity (JDBC™) specifications
- The SQL structured database query languages
- Relational database concepts

Before You Read This Book

Application Server can be purchased by itself or as a component of Sun Java™ Enterprise System (Java ES), a software infrastructure that supports enterprise applications distributed across a network or Internet environment. If you purchased *ProductName* as a component of Java ES, you should be familiar with the system documentation at `http://docs.sun.com/coll/1286.1`.

How This Book Is Organized

This guide is a compilation of messages that you may encounter while running the Application Server. Each message begins with a message ID, which has a format like the following:

```
<Subsystem\><IntegerId\>:
```

The subsystem is identified by the initial characters in the message ID. For example, in `JMS0001`, the subsystem is JMS.

The error messages in this guide are divided into chapters based on the subsystem prefix:

- Chapter 1 describes unexpected errors you may encounter
- Chapter 2 lists `DPL` error messages
- Chapter 3 lists `DTX` error messages
- Chapter 4 lists `EEADM` error messages
- Chapter 5 lists `EJB` error messages
- Chapter 6 lists `JDO` error messages
- Chapter 7 lists `JTS` error messages
- Chapter 8 lists `MDB` error messages
- Chapter 9 lists `NAM` error messages
- Chapter 10 lists `RAR` error messages
- Chapter 11 lists `SYNC` error messages
- Chapter 12 lists `WEB` error messages
- Chapter 13 lists `WSS` error messages

The messages defined in this reference guide also include the following information:

- **Message** — The brief text description accompanying the numeric message ID when viewed in the Application Server Log Viewer.

- **Cause** — Meaning and likely cause of the message.

- **Solutions/Workarounds** — Instructions on how to address the condition that caused the message to be generated.

Application Server Documentation Set

The Application Server documentation set describes deployment planning and system installation. The URL for Application Server documentation is `http://docs.sun.com/coll/unknown`. For an introduction to Application Server, refer to the books in the order in which they are listed in the following table.

TABLE P–1 Books in the Application Server Documentation Set

Book Title	Description
Release Notes	Late-breaking information about the software and the documentation. Includes a comprehensive, table-based summary of the supported hardware, operating system, JDK, and JDBC/RDBMS.
Quick Start Guide	How to get started with the Application Server product.
Installation Guide	Installing the software and its components.
Deployment Planning Guide	Evaluating your system needs and enterprise to ensure that you deploy the Application Server in a manner that best suits your site. General issues and concerns that you must be aware of when deploying the server are also discussed.
Developer's Guide	Creating and implementing Java™ 2 Platform, Enterprise Edition (J2EE™ platform) applications intended to run on the Application Server that follow the open Java standards model for J2EE components and APIs. Includes general information about developer tools, security, assembly, deployment, debugging, and creating lifecycle modules.
J2EE 1.4 Tutorial	Using J2EE 1.4 platform technologies and APIs to develop J2EE applications.
Administration Guide	Configuring, managing, and deploying Application Server subsystems and components from the Administration Console.
High Availability Administration Guide	Post-installation configuration and administration instructions for the high-availability database.
Administration Reference	Editing the Application Server configuration file, `domain.xml`.
Upgrade and Migration Guide	Migrating your applications to the new Application Server programming model, specifically from Application Server 6.x and 7. This guide also describes differences between adjacent product releases and configuration options that can result in incompatibility with the product specifications.

TABLE P–1 Books in the Application Server Documentation Set   *(Continued)*

Book Title	Description
Performance Tuning Guide	Tuning the Application Server to improve performance.
Troubleshooting Guide	Solving Application Server problems.
Error Message Reference	Solving Application Server error messages.
Reference Manual	Utility commands available with the Application Server; written in man page style. Includes the `asadmin` command line interface.

Related Books

For other Sun Java System server documentation, go to the following:

- Message Queue documentation
- Directory Server documentation
- Web Server documentation

The URL for all documentation about Java ES and its components is `http://docs.sun.com/prod/entsys.05q4`.

Default Paths and File Names

The following table describes the default paths and file names that are used in this book.

TABLE P–2 Default Paths and File Names

Placeholder	Description	Default Value

install-dir	Represents the base installation directory for Application Server.	Sun Java Enterprise System installations on the Solaris™ platform:
		
		`/opt/SUNWappserver/appserver`
		
		Sun Java Enterprise System installations on the Linux platform:
		
		`/opt/sun/appserver/`
		
		Other Solaris and Linux installations, non-root user:
		
		user's home directory`/SUNWappserver`
		
		Other Solaris and Linux installations, root user:
		
		`/opt/SUNWappserver`
		
		Windows, all installations:
		
		SystemDrive`:\Sun\AppServer`

domain-root-dir	Represents the directory containing all domains.	Sun Java Enterprise System installations on the Solaris platform:
		
		`/var/opt/SUNWappserver/domains/`
		
		Sun Java Enterprise System installations on the Linux platform:
		
		`/var/opt/sun/appserver/domains/`
		
		All other installations:
		
		install-dir`/domains/`

domain-dir	Represents the directory for a domain. In configuration files, you might see *domain-dir* represented as follows: `${com.sun.aas.instanceRoot}`	*domain-root-dir*/*domain-dir*
instance-dir	Represents the directory for a server instance.	*domain-dir*/*instance-dir*

Typographic Conventions

The following table describes the typographic changes that are used in this book.

TABLE P–3 Typographic Conventions

Typeface	Meaning	Example
AaBbCc123	The names of commands, files, and directories, and onscreen computer output	Edit your `.login` file. Use `ls -a` to list all files. `machine_name% you have mail.`
AaBbCc123	What you type, contrasted with onscreen computer output	`machine_name%` **su** `Password:`
AaBbCc123	A placeholder to be replaced with a real name or value	The command to remove a file is `rm` *filename*.
AaBbCc123	Book titles, new terms, and terms to be emphasized (note that some emphasized items appear bold online)	Read Chapter 6 in the *User's Guide*. A *cache* is a copy that is stored locally. Do *not* save the file.

Symbol Conventions

The following table explains symbols that might be used in this book.

TABLE P–4 Symbol Conventions

Symbol	Description	Example	Meaning
[ ]	Contains optional arguments and command options.	`ls [-l]`	The `-l` option is not required.

TABLE P–4 Symbol Conventions   *(Continued)*

Symbol	Description	Example	Meaning
{ | }	Contains a set of choices for a required command option.	`-d {y|n}`	The `-d` option requires that you use either the `y` argument or the `n` argument.
${ }	Indicates a variable reference.	`${com.sun.javaRoot}`	References the value of the `com.sun.javaRoot` variable.
-	Joins simultaneous multiple keystrokes.	Control-A	Press the Control key while you press the A key.
+	Joins consecutive multiple keystrokes.	Ctrl+A+N	Press the Control key, release it, and then press the subsequent keys.
→	Indicates menu item selection in a graphical user interface.	File → New → Templates	From the File menu, choose New. From the New submenu, choose Templates.

Accessing Sun Resources Online

The docs.sun.com^SM web site enables you to access Sun technical documentation online. You can browse the docs.sun.com archive or search for a specific book title or subject. Books are available as online files in PDF and HTML formats. Both formats are readable by assistive technologies for users with disabilities.

To access the following Sun resources, go to `http://www.sun.com`:

- Downloads of Sun products
- Services and solutions
- Support (including patches and updates)
- Training
- Research
- Communities (for example, Sun Developer Network)

Third-Party Web Site References

Third-party URLs are referenced in this document and provide additional, related information.

Note – Sun is not responsible for the availability of third-party web sites mentioned in this document. Sun does not endorse and is not responsible or liable for any content, advertising, products, or other materials that are available on or through such sites or resources. Sun will not be responsible or liable for any actual or alleged damage or loss caused or alleged to be caused by or in connection with use of or reliance on any such content, goods, or services that are available on or through such sites or resources.

Sun Welcomes Your Comments

Sun is interested in improving its documentation and welcomes your comments and suggestions. To share your comments, go to `http://docs.sun.com` and click Send Comments. In the online form, provide the full document title and part number. The part number is a 7-digit or 9-digit number that can be found on the book's title page or in the document's URL. For example, the part number of this book is 819-4727.

Unexpected Errors

This chapter provides general advice to help you deal with unexpected errors.

Analyze the System

Unexpected errors generally result from problems in the configuration (system configuration, JVM configuration, server configuration or application-level configuration). They can also occur when the system runs out of memory, or when there is a system crash, hardware failure, or power failure.

To find cases in which the error has been reported, search for occurrences of the error code (for example, `HADB99999`) at `http://www.sunsolve.sun.com`.

In the event of a general system failure, the error message can generally be ignored, because the error is unlikely to reoccur when the system is working properly.

If system memory is an issue, consult the Performance Tuning Guide for suggestions on optimizing your configuration. (Consider taking other actions to remedy the problem as well, such as adding memory or decreasing system load.)

When the system is not the cause, the problem may be due to the configuration settings. If you have recently made changes, consider backing them out.

When all else fails, you may need help analyzing your configuration. In that case, gather the following information and refer to the instructions in "Accessing Sun Resources Online" on page 9:

- Detailed information from the body of the message
- Stack trace information
- System logs

DPL Error Messages

This chapter describes messages for errors with a DPL prefix.

DPL Messages

DPL8001

Event subsystem does not recognize the new implementation of the
server context found in runtime.

Cause: The instance may not be of expected type

Solution: Ensure that the descriptor type is set as expected. Set log level for
deployment to view more details.

DPL8002

Copying of files failed.

Cause: May be because of lack of space or permission.

Solution: Ensure that the permissions are set as expected and that there is enough
disk space.

DPL8003

ArchivistFactory.getArchivist() failed

Cause: The module type may not be as expected.

Solution: Ensure that the module type is one of the supported types.

DPL8004

Opening of files failed.

Cause: May be because of lack of permission or wrong file name.

Solution: Ensure that the file name is correct, and that the permissions are set as expected.

`DPL8005`

```
Error while parsing the deployment descriptor.
```
Cause: May be because of malformed descriptor or absence of all required descriptor elements.

Solution: Ensure that the descriptor is well formed and as per specification. Also ensure that the SAX parser configuration is correct and the descriptor has right permissions.

`DPL8006`

```
Adding or getting a descriptor failed.
```
Cause: May be because the node/information to be added is not valid; may also be because of the descriptor was not registered.

Solution: Ensure that the node to be added is valid, and that the permissions are set as expected.

`DPL8007`

```
Failed to find the resource specified in the deployment
descriptor.
```
Cause: May be because of wrong specification in the descriptor.

Solution: Ensure that the resource specified is present, and that there is no typo in the resource specified in the descriptor.

`DPL8008`

```
Failed to load the class/method.
```
Cause: May be because of wrong class/method name.

Solution: Ensure that the class/method specified is present, and that the path information is correct.

`DPL8009`

```
Failed to load the deployment manager.
```
Cause: May be because of wrong URI specification or deployment factory not installed at all.

Solution: Ensure that the resource specified is present, and that there is no typo in the URI specified.

`DPL8010`

```
Failed in autodeployment.
```
Cause: May be because of failure in creating the autodeployer or while reading the autodeploy configuration info.

Solution: Ensure that the `autodeploy` is enabled properly, and that their `autodeploy` configuration is set properly.

DPL8011

Failed in autodeployment of applications.
    Cause: Mostly because of application specific failure.

    Solution: Ensure that the application can be deployed using CLI, and that there `autodeploy` configuration is set properly and the server is up and running.

DPL8012

Failed to rename directory.
    Cause: May be because of lack of permissions.

    Solution: Ensure that the permissions are set as expected, and that the there is no directory name clash.

DPL8013

Failed to create JAR file.
    Cause: May be because of lack of permissions or lack of space.

    Solution: Ensure that the permissions are set as expected, and that the there is enough space.

DPL8014

Failed to complete application deployment.
    Cause: May be because of lack of permissions or lack of space or wrong application.

    Solution: Ensure that the permissions are set as expected, and that the there is enough space.

DTX Error Messages

This chapter describes messages for errors with a DTX prefix.

DTX Messages

DTX5001

Exception occurred while enlisting the resource.
   Solution: Make sure that the resource usage is from a standard J2EE component or a life cycle component. If this exception occurs from a standard component, this is an Unexpected Internal Error and please contact Sun with the complete error log message.

DTX5002

Exception occurred while delisting the resource.
   Solution: Make sure that the resource usage is from a standard J2EE component or a life cycle component. If this exception occurs from a standard component, this is an Unexpected Internal Error and please contact Sun with the complete error log message.

DTX5003

Trying to register the sync object while transaction is marked for rollback.
   Solution: This is an Unexpected Internal Error. Please contact Sun with the complete error log message.

DTX5004

Exception occurred while enlisting the component resource.
    Solution: Make sure that the resource usage is from a standard J2EE component or a life cycle component. If this exception occurs from a standard component, this is an Unexpected Internal Error and please contact Sun with the complete error log message.

DTX5005

Exception occurred while delisting the component resources.
    Solution: Make sure that the resource usage is from a standard J2EE component or a life cycle component. If this exception occurs from a standard component, this is an Unexpected Internal Error and please contact Sun with the complete error log message.

DTX5006

Exception occurred while delisting the component resources.
    Solution: Make sure that the resource usage is from a standard J2EE component or a life cycle component. If this exception occurs from a standard component, this is an Unexpected Internal Error and please contact Sun with the complete error log message.

DTX5008

Exception occurred while closing the connection.
    Solution: Check if database is up and running.

DTX5009

Invalid integer passed to set the timeout.
    Solution: Check the timeout that is being given in the server configuration file.

DTX5010

Could not register the JTA statistics for monitoring due to
configuration problem.
    Solution: This is an Unexpected Internal Error. Please contact Sun with the complete error log message.

DTX5011

Requested attribute is not monitorable.
    Solution: This is an Unexpected Internal Error. Please contact Sun with the complete error log message.

DTX5012

JTAStats implementation class is not found.
    Solution: This is an Unexpected Internal Error. Please contact Sun with the complete error log message.

CHAPTER **4**

EEADM Error Messages

This chapter describes messages for errors with an EEADM prefix.

EEADM Messages

EEADM0069

Error while sending event to remote instance.
   Cause: Most likely an error in the connection layer. User name, password, host name or port number of the remote server instance may be incorrect.

   Solution: Verify that user name, password, host name, or port number of the remote server instance is correct.

EJB Error Messages

This chapter describes messages for errors with a EJB prefix.

EJB Messages

EJB5013

Problem occurred while deserializing stateful bean state.
> **Solution:** Check the application classpath to ensure that all classes needed during deserialization are available.

EJB5017

An error occurred during the removal of an entity bean. One common cause is when the application throws a system exception from the ejbRemove method of an entity bean.
> **Solution:** Check the exception stack trace to see if the exception originated from the entity bean implementation class.

EJB5031

An error occurred while looking up a Read Only Bean Notifier. The most common cause for this failure is that the string supplied to the getReadOnlyBeanNotifier method either does not refer to a read-only bean.
> **Solution:** Check the application code that calls this method to make sure the string passed in refers to a valid read-only bean.

EJB5069

```
The bean's Home or LocalHome does not define a no-arg create
method.
```
   Solution: Check the Home or `LocalHome` interface for the appropriate create
   method signature. Running the verifier will help identify the error as well.

```
EJB5071
```

```
Some problem occurred during the beforeCompletionphase of the
transaction lifecycle. This error often happens when application
code throws a system exception from its ejbStore method or if the
transaction manager encounters a system exception.
```
   Solution: Check the stack trace to see if the exception originated from the
   `application's ejbStore` method. Also check the resource configuration to
   ensure that all resource managers involved in the transaction are configured
   properly and are healthy.

```
EJB5090
```

```
Problem during EJB container runtime initialization. See stack
trace for more details. Some common causes are global JNDI name
conflicts, classnotfound errors, and configuration errors for
resources needed by the EJB.
```
   Solution: If the EJB has a Remote view, check that its `JNDIname` does not clash with
   any other EJB's JNDI name or any other `globalJNDI` name. Check that all needed
   classes are available to the EJB. Also ensure that any resources needed by the EJB
   are available. If the EJB uses a data source make sure the corresponding database is
   running. If it uses a queue makes sure the physical queue has been created.

```
EJB5111
```

```
This error indicates a mismatch in the required method signature
rules between a method defined on a [Home, Remote, LocalHome,
Local] interface and the corresponding bean implementation class.
E.g., this would happen if a create method in a Home interface did
not have a matching ejbCreate method in the bean class.
```
   Solution: Run the verifier tool to check that the methods defined on the bean class
   are correct with respect to the exposed interface.

```
EJB5117
```

```
Error while creating the persistent representation of an EJB
timer. This typically means there is some configuration error or
runtime problem with the EJB timer service data source.
```
   Solution: Double-check the JDBC data source (and its associated connection pool)
   assigned to the timer-data source element in `domain.xml`. Common causes are
   that the database is not running, the timer table has not been created within that
   database, or that the connection pool's JDBC driver URL information is incorrect.

```
EJB5128
```

A problem occurred while the container was activating a stateful
session bean. One possible cause is that the bean code threw a
system exception from its ejbActivate method.

Solution: Check the stack trace to see whether the exception was thrown from the
ejbActivate method and if so double-check the application code to determine
what caused the exception.

EJB5129

An error occurred during the afterCompletion phase of the
transaction lifecycle.

Solution: Check stack trace for details of error encountered by EJB container

JDO Error Messages

This chapter describes messages for errors with a JDO prefix.

JDO Messages

JDO7000

Error loading the default mapping policy which is used by database
schema generation.
  Solution: Check that the classpath settings are not corrupted.

JDO74003

Internal error in CMP module.
  Solution: This is an Unexpected Internal Error. Please contact Sun with your
  application and the complete error log message.

JDO74005

CMR field is accessed in ejbCreate.
  Solution: Change bean code to access CMR fields in ejbPostCreate.

JDO74006

Parameter passed to Collection CMR set method is null.
  Solution: Use Collection.remove() method to remove all related beans from
  this Collection.

JDO74019

Possible error in EJB Container and CMR runtime life cycle.
  Solution: This is an Unexpected Internal Error. Please turn on JDO and CMP
  logging and contact Sun with the complete error log message.

```
JDO74020
```

Possible error in EJB Container and CMR runtime life cycle.
Solution: This is an Unexpected Internal Error. Please turn on JDO and CMP logging and contact Sun with the complete error log message.

```
JDO74021
```

ejbRemove or ejbStore is called in an active transaction without bean being loaded in the same transaction. Possible error in EJB Container and CMR runtime life cycle.
Solution: This is an Unexpected Internal Error. Please turn on JDO and CMP logging and contact Sun with the complete error log message.

```
JDO74043
```

Create, remove, or update is called on a read-only bean.
Solution: Do not attempt to update read-only beans. If update is required, the bean must be deployed as two different EJBs: as a read-only bean, and as an updateable bean. All updates must be done on the second bean.

```
JDO74045
```

State class is not generated properly for this CMP bean.
Solution: This is an Unexpected Internal Error. Please contact Sun with your application and the complete error log message.

```
JDO75007
```

Internal error in CMP module.
Solution: This is an Unexpected Internal Error. Please contact Sun with your application and the complete error log message.

```
JDO76604
```

JNDI name for the CMP resource is misspelled.

CMP resource with this JNDI name is not registered with this instance.
Solution: Check JNDI name for the resource you plan to use. Check JNDI name of the CMP resource specified in the module.

```
JDO7704
```

Cannot identify related field.

Cannot identify related class.
Solution: Verify that relationship definition is correct.

```
JDO82000
```

`System was not able to create specified logger.`

`Error loading message bundle that corresponds to this logger.`
>**Solution:** Check that the classpath settings are not corrupted. Check error log for the detailed reason.

JTS Error Messages

This chapter describes messages for errors with a `JTS` prefix.

JTS Messages

`JTS5001`

`Servant is already active.`

`Servant is not active.`
Solution: This is an Unexpected Internal Error. Please contact Sun with the complete error log message.

`JTS5005`

`Recovery or resync process got interrupted.`
Solution: See the server log for more details. This is an Unexpected Internal Error. Please contact Sun with the complete error log message.

`JTS5008`

`Transaction log directory is not accessible.`
Solution: Make sure that the Transaction log directory (`transaction-service.tx-log-dir` in server configuration file) is proper and has the read, write permissions for the user of the application server.

`JTS5015`

`ORB may not be running.`
Solution: Make sure that ORB is running. If ORB is running, this is an Unexpected Internal Error. Please contact Sun with the complete error log message.

`JTS5020`

Configuration problem while giving the log path.
    Solution: Check the Transaction log path in server configuration file
    (`transaction-service.tx-log-dir`).

JTS5028

XAResource.recover has thrown an exception during recovery.
    Solution: See the exception Stack trace for more details.

JTS5032

Server could not communicate with the resource manager with in the
retry limit.
    Solution: Make sure that resource manager is up and running or increase the retry
    limit (`transaction-service.retry-timeout-in-seconds` in the server
    configuration file).

JTS5040

ORB may not be running.
    Solution: See the server log for more details. This is an Unexpected Internal Error.
    Please contact Sun with the complete error log message.

JTS5041

Database driver or Resource Adapter has thrown XAException with
the error message The resource manager is doing work outside a
global transaction
    Solution: Check if the application is using the same XA pool outside the
    transactional context as well as in the transactional context. Some drivers do not
    allow this scenario. Another scenario to verify is, two separate XA pools pointing
    to the same backend with the same credentials and the second connection is
    obtained with in the same transaction, without closing the first connection.

JTS5064

Unexpected exception thrown from XAResource.end.
    Solution: See the server log for more details.

JTS5065

Transaction Log directory path is not valid or proper permissions
are not there.
    Solution: Make sure that transaction log directory is valid and files in that directory
    have read write permissions.

JTS5066

Possible cause is that transaction logs are corrupted.
    Solution: Please clean up the `transaction-service.tx-log-dir/tx/*` files
    and restart the server.

MDB Error Messages

This chapter describes messages for errors with a MDB prefix.

MDB Messages

MDB00017

An error occurred during the message-driven beancontainer initialization at runtime.

> **Cause:** The most common cause for this is that the physical resource (e.g. Queue) from which the message-driven bean is consuming either does not exist or has been configured incorrectly. Another common error is that the message-driven bean implementation class does not correctly implement the required javax.ejb.MessageBean or MessageListener interfaces.

> **Solution:** Double-check that the JNDI name of the message-driven bean's resource in sun-ejb-jar.xml is correct. It is also useful to run the verifier to check that the code requirements for the message-driven bean class have been fulfilled.

MDB00048

An error occurred during the pre-invocation processing before a message-driven bean MessageListener method is called.

> **Cause:** This is often caused by some transaction-related errors.

> **Solution:** Double-check the transaction configuration for the message-driven bean and consult stack trace for additional details.

MDB00050

```
An error occurred during the lifecycle initialization of a
message-driven bean instance.
```
    Cause: This typically means a system exception was thrown from the bean code during the execution of the `no-arg` constructor, the `setMessageDrivenContext` method, or the `ejbCreate` method. Common causes are failed naming service lookups coding errors, or `ClassNotFound` errors.

    Solution: Check the stack trace to see which method threw the exception. If the error was caused by a `NamingException`, double-check the environment configuration (`ejb-refs`, resource-refs, etc.) in the deployment descriptor against the coded names. It would also be useful to run the verifier.

MDB00051

```
An error occurred while the container was destroying an instance
of a message-driven bean.
```
    Cause: The most common cause is that a message-driven bean class threw a system exception from its `ejbRemove` method.

    Solution: Check the message driven bean's `ejbRemove` implementation to determine what would result in an exception. Also consult the stack trace for more information.

MDB00052

```
An error occurred while the container was enabling the message
flow into a message-driven bean.
```
    Cause: This is an internal error that typically means there is a problem with the messaging system from which the message-driven bean is consuming.

    Solution: Check the stack trace for more details.

NAM Error Messages

This chapter describes messages for errors with an NAM prefix.

NAM Messages

NAM0002

Problem with serializing or deserializing of the object
   Solution: Check the class hierarchy to see if all the classes are Serializable.

NAM0003

Problem in creating a remote object for SerialContextProvider.
   Cause: Problem during publishing SerialContextProvider in CosNaming Service.

   Solution: Check if ORB CosNaming Service initialized. Check if ORB CosNaming Service initialized.

NAM0004

Application Server may not be running at port intended.
   Cause: Possible Network Error.

   Solution: Check to see if the Application Server is up and running on the port intended. The problem could be because of incorrect port. Check to see if you can access the host on which the Application Server is running.

NAM0005

The JMS Connection Factory may not be bound to a JNDI name.
   Solution: Check the list of JNDI bindings by clicking on the JNDI tree on the Administrator's console. Check the JMS resource references bindings.

```
NAM0006
```

The JMS destination may not be bound to a JNDI name.
    Solution: Check the list of JNDI bindings by clicking on the JNDI tree on the Administrator's console. Check the JMS resource references bindings.

```
NAM0007
```

Unresolved Message Destination Reference
    Solution: Check if the Message Destination has been linked to a Message Destination

```
NAM0008
```

Invalid Destination Name
    Solution: Check Destination Name

```
NAM1000
```

No endpoints selected.
    Solution: Check system property `com.sun.appserv.iiop.endpoints.`

```
NAM1001
```

No endpoints selected.
    Solution: Check system property `com.sun.appserv.iiop.endpoints.`

```
NAM1002
```

Bad JNDI provider URL
    Solution: Check system property `java.naming.provider.url.`

```
NAM1003
```

Bad host:port entry
    Solution: Check system property `com.sun.appserv.iiop.endpoints.`

```
NAM1004
```

Unknown host
    Solution: Check the host entry.

```
NAM1005
```

No endpoints selected.
    Solution: Check system property `com.sun.appserv.iiop.endpoints.`

RAR Error Messages

This chapter describes messages for errors with a `RAR` prefix.

RAR Messages

RAR5004

`JDBC driver threw an exception while recovery.`
Cause: Resource Adapter threw an exception during recovery in case of connectors.

Solution: Check database or EIS log for details. Check whether the connection pool configuration is proper. Check whether `domain.xml` is accessible.

RAR5005

`The XA resource has been deleted before attempting recovery`
Cause: The XA resource is no longer referenced in `domain.xml`. The database server that the XA resource points to is no longer running.

The configuration information for the XA Resource has been changed before attempting recovery.

Solution: Check that the XA Resource and the pool it points to is still defined in `domain.xml`. Check that the XA Resource is present in the list of resource-refs in `domain.xml`. Check that the Database server is up and running. Check if the configuration info of the XA resource and the pool it points to is sane. In particular check that the `datasourceclassname` in the pool is correct and the XA resource points to the correct pool.

RAR5007

```
Exception while creating persistent manager resource.
```
   Solution: Check whether the persistent manager factory class is configured
   properly and is available in the classpath. Check whether the JDBC resource name
   is correct and is configured properly.

RAR5008

```
Naming provider and port are not set in the initial context
```
   Cause: The Naming provider is not up.

   Solution: Check the `jndi.properties` file has the naming provider host and port
   specified. Check if the naming provider is up and listening on the port specified in
   `domain.xml`

RAR5009

```
Could not create an instance of factory-class.
```
   Solution: Make sure that factory-class name is configured correctly. Make sure that
   factory-class is available in the classpath of the application server

RAR5010

```
External JNDI resource has a wrong factory-class configuration
```
   Solution: Verify that factory class is an instance of
   `javax.naming.spi.InitialContextFactory`.

RAR5011

```
Could not create Initial Context.
```
   Solution: Make sure that the `external-jndi-resource` configuration is
   sufficient to create an initial context.

RAR5012

```
Could not create Initial context factory.
```
   Solution: Make sure that the `external-jndi-resource` configuration is
   sufficient to create an initial context factory.

RAR5015

```
Classpath is not properly set in domain.xml
```
   Cause: The application server process does not have read permissions on the
   directory that holds the classes/jar.

   Solution: Check that the classpath attribute in the `java-config` includes a
   reference to the jar/package directory for the class. You do not have read
   permissions on the directory that holds the classes/jar.

RAR5020

Could not configure persistent manager resource properly.
    Solution: Make sure that the JDBC resource name, you have configured is correct. Check whether the persistent manager factory class is proper. Check whether the persistent manager factory class has a `setConnectionFactoryName` method.

RAR5035

Error while closing the physical connection.

Error while destroying the connector managed connection.
    Solution: Examine the exception stack trace for details.

RAR5038

Could not create a physical connection.
    Solution: Connection pool is configured incorrectly. Check that database is running properly. Check that EIS (in case of connectors) is running properly. Check that SJS MQ (in case of JMS) is running properly. Verify that network connection to Database/EIS/MQ is properly configured.

RAR5042

The XA resource has been deleted before attempting recovery.
    Cause: The XA resource is not properly referenced because:

- The XA resource is no longer referenced in `domain.xml`. The database server that the XA resource points to is no longer running

- The configuration information for the XA Resource has been changed before attempting recovery

    Solution: Check that the XA Resource and the pool it points to is still defined in `domain.xml`. Check that the XA Resource is present in the list of resource-refs in `domain.xml`. Check that the Database server is up and running. Check if the configuration info of the XA resource and the pool it points to is sane. In particular check that the `datasourceclassname` in the pool is correct and the XA resource points to the correct pool.

RAR5043

Exception while creating persistent manager resource.
    Solution: Check whether the persistent manager factory class is configured properly and is available in the classpath. Check whether the JDBC resource name is correct and is configured properly.

RAR5044

Could not configure persistent manager resource properly.
    Solution: Make sure that the JDBC resource name, you have configured is correct. Check whether the persistent manager factory class is proper. Check whether the persistent manager factory class has a `setConnectionFactoryName` method.

RAR5045

```
Naming provider and port are not set in the JNDI provider's
property file
```
   Cause: The Naming provider is not up

   Solution: Check the `jndi.properties` file has the naming provider host and port
   specified. Check if the naming provider is up and listening on the port specified in
   `domain.xml`.

RAR5046

```
Classpath is not properly set in domain.xml
```
   Cause: You do not have read permissions on the directory that holds the
   classes/jar.

   Solution: Check that the classpath attribute in the `java-config` includes a
   reference to the jar/package directory for the class. Check that the directory where
   the classes/jars reside have read permission for the application server process.

RAR5047

```
Could not create Initial Context.
```
   Solution: Make sure that the `external-jndi-resource` configuration is
   sufficient to create an initial context.

RAR5048

```
The configuration for the JDBC resource could not be read from
domain.xml
```
   Cause: This is an internal server error. Please contact Sun Microsystems with the
   complete error log

RAR5058

```
Could not create physical connection during connection pool
resizing.
```
   Solution: Check whether your network connection to the database or EIS is proper.
   Check your database/ EIS logs for possible connection creation errors.

RAR5063

```
The class specified in datasourceclassname attribute in the
jdbc-connection-pool is not of type javax.sql.XADataSource.
Please consult your database vendor's documentation to identify
the class that implements the javax.sql.XADataSource
```
   Solution: Check if the `datasourceclass` implements the
   `javax.sql.XADataSource` interface. Try using the `javap` tool for this purpose.

RAR5065

The class specified in datasourceclassname attribute in the
jdbc-connection-pool is not of type
javax.sql.ConnectionPoolDataSource. Please consult your database
vendor's documentation to identify the class that implements the
javax.sql.ConnectionPoolDataSource.

Solution: Check if the datasourceclass implements the
javax.sql.ConnectionPoolDataSource interface. Try using the javap tool
for this purpose.

RAR5066

Exception while getting pooled connection.

Cause: The Database server is not up and running. The connection pool is full and
cannot allocate more connections. The Database server threw some unexpected
exception. Please study the exception message for more details

RAR5068

There are no managed connections in the connection pool at this
time

There is an internal server error. Please contact Sun Microsystems
with the complete log message.

Solution: This is an internal server error. Please contact Sun Microsystems with the
complete error log. This is an internal server error. Please contact Sun
Microsystems with the complete error log.

RAR5069

The Connection object is now invalid due to database restart

Cause: The connection object is now invalid since the database has either restarted
or is not up and running. The JDBC driver cannot provide the required
information.

Solution: Switch on the connection validation property of the connection pool and
try again. If the database has restarted, restart the application server as well or set
the connection validation property in the pool to avoid this in the future. If the
database server is not up, please bring it up. Check the server log and please
contact Sun Microsystems with the complete error log.

RAR5070

The Connection object is now invalid due to database restart.

Cause: The connection object is now invalid since the database has either restarted
or is not up and running. The JDBC driver cannot provide the required
information.

Solution: Switch on the connection validation property of the connection pool and
try again. If the database has restarted, restart the application server as well or set
the connection validation property in the pool to avoid this in the future. If the
database server is not up, please bring it up. Check the server log and please
contact Sun Microsystems with the complete error log.

```
RAR5074
```

The Connection object is now invalid due to database restart
Cause: The connection object is now invalid since the database has either restarted or is not up and running. The JDBC driver cannot provide the required information.

Solution: Switch on the connection validation property of the connection pool and try again. If the database has restarted, restart the application server as well or set the connection validation property in the pool to avoid this in the future. If the database server is not up, please bring it up. Check the server log and please contact Sun Microsystems with the complete error log.

```
RAR5087
```

The Connection object is now invalid due to database restart
Cause: The connection object is now invalid since the database has either restarted or is not up and running. The JDBC driver cannot provide the required information.

Solution: Switch on the connection validation property of the connection pool and try again. If the database has restarted, restart the application server as well or set the connection validation property in the pool to avoid this in the future. If the database server is not up, please bring it up. Check the server log and please contact Sun Microsystems with the complete error log.

```
RAR5099
```

Classpath is not properly set in domain.xml
Cause: The application server process does not have read permissions on the directory that holds the classes/jar.

Solution: Check if the server classpath specified in the `java-config` element in `domain.xml` has an entry for the jar containing this class. Check that the directory where the classes/jars reside have read permission for the application server process.

```
RAR5100
```

Classpath is not properly set in domain.xml
Cause: The application server process does not have read permissions on the directory that holds the classes/jar.

Solution: Verify that the read permissions on the classes/jar directory are set properly.

```
RAR5101
```

The Application Server process does not have read access to the
directory where this class resides.

The Application Server process does not have security permissions
to access this code.

> **Solution:** Check if the application server has read permissions on the directory
> where this class/jar containing this class resides. Check if your security manager
> policy is configured properly.

RAR5102

The application server process do not have permission to access
the code base where the class resides.

This is an internal server/JVM error. Please contact Sun
Microsystems with the complete error log.

> **Solution:** See if the application server process has permission to read the directory
> where the class/jar resides. Check if all relevant JVM patches are installed on your
> machine. Please contact Sun Microsystems with the complete error log.

RAR5103

Error configuring the DataSource object.

> **Cause:** The pool parameters in domain.xml are improper. The application server
> process does not have enough permissions to access the DataSource class.
>
> **Solution:** Check that the pool parameters specified in domain.xml are correct. For
> example, check that parameters that expect numeric values are numerals. Check
> that the application server process has permissions to read the directory where the
> class resides.

RAR5104

Error configuring the DataSource object.

> **Cause:** The pool parameters in domain.xml are improper. The application server
> process does not have enough permissions to access the DataSource class.
>
> **Solution:** Check that the pool parameters specified in domain.xml are correct. For
> example, check that parameters that expect numeric values are numerals. Check
> that the application server process has permissions to read the directory where the
> class resides.

RAR5105

The connection validation method is incorrect, it should be one of
auto-commit, meta-data, table.

The connection is no longer valid. It could have been rendered
invalid due to database restart/shutdown.

> **Solution:** Check if the connection validation is one of: auto-commit, meta-data,
> or table. If the method is table, check that the table name is correct. If the
> database has been restarted, restart the application server as well. If the database is
> down, start it up.

RAR5106

The database connection is invalid.
Cause: The cause can be either:

- The database has been shutdown or restarted.
- The network connection to the database has been lost.

Solution: If the database has been restarted, restart the application server as well. To avoid this in the future set the connection validation property in the pool. Check that the database is up and running and the network connection to the database is still alive.

RAR5107

The database connection is invalid.
Cause: The cause can be either:

- The database has been shutdown or restarted.
- The network connection to the database has been lost.

Solution: If the database has been restarted, restart the application server as well. To avoid this in the future set the connection validation property in the pool. Check that the database is up and running and the network connection to the database is still alive.

RAR5108

The database connection is invalid.
Cause: The cause can be either

- The database has been shutdown or restarted.
- The network connection to the database has been lost.

Solution: If the database has been restarted, restart the application server as well. To avoid this in the future set the connection validation property in the pool. Check that the database is up and running and the network connection to the database is still alive.

RAR5109

JDBC driver has thrown an SQLException while setting the isolation level.
Solution: Check your connection pool configuration and make sure that the isolation level is correct. Check whether your driver supports the isolation level you have specified in the connection pool.

RAR5110

The URL specified is incorrect.

The database server is not up and running.
   Solution: Check if the URL specified in the getConnection call is correct. Consult the JDBC driver vendor's documentation for the correct URL format. Check that the Database server is up and running.

RAR5111

The class specified in datasourceclassname attribute in the jdbc-connection-pool is not of type javax.sql.DataSource.
   Solution: Please consult your database vendor's documentation to identify the class that implements javax.sql.DataSource. Try using the javap tool for this purpose.

RAR5112

The class specified in datasourceclassname attribute in the jdbc-connection-pool is not of type javax.sql.XADataSource.
   Solution: Please consult your database vendor's documentation to identify the class that implements the javax.sql.XADataSource. Try using the javap tool for this purpose.

RAR5113

Error creating a connection from the supplied information.
   Cause: The connection pool is full and cannot allocate more connections. The Database server threw some unexpected exception. Please study the exception message for more details.

   Solution: Check that the Database server is up and running. Check if the size of your connection pool is sufficiently large for serving all requests. Check the server log and please contact Sun Microsystems with the full error log.

RAR5114

Error creating a connection from the supplied info.
   Cause: The Connection pool is full and incapable of serving more requests at this point. The database is down. Please try later. There is an internal server error. Please contact Sun Microsystems with the complete log message.

   Solution: Check if the database server is correctly configured. Check if your pool size is sufficient to server all simultaneous connection requests. Check the server log and contact Sun Microsystems with the complete error message

RAR5116

Error creating a connection from the supplied info.
   Cause: The Database server is not up and running. The connection pool is full and cannot allocate more connections. The Database server threw some unexpected exception. Please study the exception message for more details.

Solution: Check that the Database server is up and running. Check if the size of your connection pool is sufficiently large for serving all requests. Check the server log and please contact Sun Microsystems with the full error log.

RAR5117

Error while obtaining a connection from the pool.
Solution: Check your connection pool configuration.

RAR6000

Illegal access Error while instantiating one of the resource
adapter JavaBeans like ManagedConnectionFactory or
ResourceAdapter JavaBean classes.
Solution: Check whether the resource adapter has any specific security requirements.

RAR6001

Error while locating one of the resource adapter JavaBeans like
ManagedConnectionFactory or ResourceAdapter JavaBean classes.
Solution: Check if the resource adapter is bundled properly. Resource adapter jar file deployment descriptor specifies correct class names.

RAR6002

Error while instantiating one of the resource adapter JavaBeans
like ManagedConnectionFactory or ResourceAdapter JavaBean.
Solution: Check if the resource adapter is bundled properly with all the classes.

RAR6004

Illegal access Error while instantiating one of the resource
adapter JavaBeans like ManagedConnectionFactory or
ResourceAdapter JavaBean classes.
Solution: Check whether the resource adapter has any specific security requirements.

RAR6005

Error while creating ManagedConnectionFactory.
Solution: Check if the resource adapter is bundled properly. Check whether connection pool configuration has correct properties for MCF. Check resource adapter documentation for configuring correct properties of MCF.

RAR6007

Runtime could not obtain list of resources of this resource
adapter.
Solution: Check whether the resource adapter configuration is proper.

RAR6008

Resource Adapter threw an exception during ResourceAdapter.stop()
method.

> **Solution:** Check your resource adapter documentation about
> `ResourceAdapter.stop()` method.

RAR6009

A resource (connection pool, connector resource or admin object)
pertaining to the resource adapter is existing.

> **Solution:** Check whether the cascade option of `undeploy` is false.

RAR6010

Resource Adapter is already active in the connector runtime.

> **Solution:** Check whether a previous resource adapter deployment is still available.

RAR6012

> **Solution:** There is an internal server error. Please contact Sun Microsystems with
> the complete log message. Check whether resource adapter threw a null pointer
> exception.

RAR6013

> **Solution:** There is an internal server error. Please contact Sun Microsystems with
> the complete log message.

RAR6014

Incomplete or erroneous resource adapter deployment.

> **Solution:** Check whether the RA deployment is proper and complete.

RAR6015

Connection pool is not created properly.

> **Solution:** Check your resource configuration, whether you are using correct
> connection pool name.

RAR6016

Resource Adapter is not yet initialized in the connector runtime.

> **Solution:** Check whether the deployment of the resource adapter is complete.

RAR6017

Incomplete or erroneous connection pool creation.

> **Solution:** Check whether connection pool is created and is proper.

RAR6019

Incomplete or erroneous resource adapter deployment.

> **Solution:** Check whether the RA deployment is proper and complete.

RAR6021

Error while creating `ManagedConnectionFactory`.
> **Solution:** Check if the resource adapter is bundled properly. Check whether connection pool configuration has correct properties for MCF. Check whether the resource adapter require security permissions to load the classes. Some adapters require `getClassLoader()` permission.

RAR6022

`NullPointerException` while creating `ManagedConnectionFactory`.
> **Solution:** Check whether resource adapter throws null pointer exception.

RAR6023
> **Solution:** There is an internal server error. Please contact Sun Microsystems with the complete log message.

RAR6025

Could not read the deployment descriptor of the resource adapter.
> **Solution:** Check whether the resource adapter is packaged correctly. Check the correctness of deployment descriptor.

RAR6026

Could not parse the deployment descriptor of the resource adapter.
> **Solution:** Check whether the resource adapter is packaged correctly. Check the correctness of deployment descriptor.

RAR6028

Resource Adapter does not contain resource adapter JavaBean.
> **Solution:** Make sure that the resource adapter is 1.5 compliant.

RAR6030

MCF cleanup in connector runtime failed.
> **Solution:** Check whether connection pool has already been deleted.

RAR6032

Connection Pool Name of the Resource configuration is wrong.
> **Solution:** Check whether the connection pool is created.

RAR6034

Resource Adapter Name of the admin object configuration is wrong.
> **Solution:** Check whether the resource adapter is deployed.

RAR6035

Could not start the resource adapter instance.
> **Solution:** Check whether `domain.xml` is accessible. Check your resource adapter documentation for possible causes of failure during `ResourceAdapter.start()`.

RAR6036

Resource Adapter throws exception during
ManagedConnectionFactory.setResourceAdapter().
   Solution: If you are using third party resource adapter, contact resource adapter
   vendor. If you are a resource adapter developer, please check the resource adapter
   code.

RAR6037

Resource Adapter threw an exception during ResourceAdapter.stop()
method.
   Solution: Check your resource adapter documentation about
   ResourceAdapter.stop() method.

RAR7001

Could not unzip the MQ resource adapter archive from upgraded MQ.
   Solution: Check whether new MQ resource adapter archive in imq_home/lib is
   accessible.

RAR7004

Resource Adapter is requesting endpoints to the MDB, before MDB
deployment is complete.
   Solution: There is an internal server error. Please contact Sun Microsystems with
   the complete log message.

RAR7005

Could not access the class loader specific to the MDB.
   Solution: There is an internal server error. Please contact Sun Microsystems with
   the complete log message.

RAR7006

ActivationSpec validation failed.
   Solution: Check your JMS related configuration in MDB deployment descriptor.
   Check your activation configuration in the MDB deployment descriptor.

RAR7007

Resource Adapter is trying to invoke an unknown method during
message delivery.
   Solution: Check your resource adapter documentation for possible issues during
   message delivery.

RAR7010

Could not find the connection pool specified.
   Solution: Try the following:

- Check whether the connection pool creation was successful. Check whether the pool name used is correct.
- There is an internal server error. Please contact Sun Microsystems with the complete log message.

RAR7014

Could not read shutdown-timeout-in-seconds from domain.xml properly.

Solution: Make sure that domain.xml is configured correctly.

RAR7092

Wrong transaction-support connection pool attribute setting.

Cause: The connection pool specifies a transaction-support attribute value that is greater than the one specified in the pool according to this mathematical inequality: NoTransaction < LocalTransaction < XATransaction.

Solution: Change the transaction-attribute value in the pool to be less than or equal to the one specified in the resource adapter's ra.xml.

RAR7096

Error while trying to invoke the setter method for the specified property.

Solution: Check if the value and the property name specified are valid.

RAR7097

Error in finding a mutator method for the specified property.

Solution: Check if the property has been specified correctly and an appropriate public setter method [method] is available in the class.

SYNC Error Messages

This chapter describes messages for errors with a SYNC prefix.

SYNC Messages

SYNC002

User name, password, host name or port number may be incorrect.
   Cause: DAS may be down or unreachable.

   Solution: Check if User name, password, host name and port number are correct. Make sure DAS is running and can connect from the current instance(host).

SYNC006

Synchronization module subsystem's meta-data.xml file is corrupted.
   Solution: There are several possible solutions:

   - Check synchronization-meta-data.xml and na-synchronization-meta-data.xml exist in appserv-se.jar and is a valid XML file.

   - Check if synchronization-meta-data.xml is not part of server classpath.

   - synchronization-meta-data.xml is not valid.

   - synchronization-meta-data.xml found in server classpath is not well formed.

SYNC029

```
This could be either a config Exception or IOException
```
Solution: Check `domain.xml` and `das.properties`. If the problem persists, you may backup and remove applications, generated, `config`, `docroot` and `lib` directories in the local repository and restart the server. The local repository will be synchronized again.

```
SYNC047
```

```
Connection problem during download.
```

```
File(s) could not be written to synchronization store.
```
Solution: Check if DAS is up. Check for connection errors during download. Check if synchronization repository has enough space and has permission. If the repository is on NFS, may be NFS is down.

```
SYNC049
```

```
File(s) could not be written to synchronization store.
```
Solution: Check if synchronization repository has enough space and has permission. If the repository is on NFS, may be NFS is down.

```
SYNC052
```

```
domain.xml is incorrect.
```
Solution: Make sure `domain.xml` errors are fixed. It may have been manually edited.

```
SYNC074
```

```
This could be a network communication error.
```
Solution: Please check `domain.xml`, `das.properties` and server log.

```
SYNC075
```

```
This could be a network communication error or Domain
Administration Server is not running.
```
Solution: Please ensure that Domain Administration Server is running. If DAS is accessible and the problem persists, you may backup and remove applications, generated, `config`, `docroot` and `lib` directories in the local repository and restart the server. The local repository will be synchronized again.

WEB Error Messages

This chapter describes messages for errors with a WEB prefix.

WEB Messages

WEB0305

HTTP listener's proxy port is not a numeric string
   Solution: Check to see if the value of the HTTP listener's server-name attribute contains a colon, and if so, make sure the name component following the colon is a numeric string.

WEB0315

Two or more virtual servers associated with the same HTTP listener share the same host name.
   Solution: Make sure that the sets of host names of all virtual servers associated with the same HTTP listener are disjunct.

WEB3004

The Application server could not initialize the native HTTP service. This could be cause by a misconfiguration, or a internal failure.
   Cause: It is also possible that the native library has been found missing.

   Solution: Check that the HttpService configuration is valid. Examine the message reported by the native HTTP service for clues. Verify that the following needed libraries are present in the Application Servers's lib directory. If the problem persists, contact Sun with the complete error log message.

WEB3005

```
The Application server could not start the native HTTP service.
This could be cause by a misconfiguration, or a internal failure.
```
Cause: It is also possible that the native library has been found missing.

Solution: Check that the `HttpService` configuration is valid. Examine the message reported by the native HTTP service for clues. Verify that the following needed libraries are present in the Application Servers's lib directory. If the problem persists, contact Sun with the complete error log message.

```
WEB3006
```

```
The file is missing.
```
Solution: Check that the file is present in the Application Server's lib directory, or if enabled in the Library Path. Please contact Sun with the complete error log message.

```
WEB3007
```

```
This is an Unexpected Internal Error. Please contact Sun with the
complete error log message.
```
Solution: Please correct the format.

WSS Error Messages

This chapter describes messages for errors with a WSS prefix.

WSS Messages

WSS0126

Unsupported algorithm type. Only RSA supported.
   Solution: Check that the signature algorithm is RSA.

WSS0129

Malformed message ds:Signature element missing from the
wsse:Security header block.
   Solution: Check proper signature was generated while signing.

WSS0134

Unable to Initialize XMLCipher with the given Key.
   Solution: Check that the XMLCipher was initialized properly.

WSS0137

An appropriate JCE provider is not configured in the JRE.
   Solution: Look at root exception for more clues.

WSS0144

Base64Decoding exception is the root cause.
   Solution: Check that the data is valid base64 encoded.

WSS0147

```
TransformationConfiguration exception while trying to use
stylesheet to pretty print.
```
   Solution: Make sure style sheet is valid.

WSS0148

```
Exception while trying to pretty print using transform.
```
   Solution: Make sure the original SOAP Message and style sheet are both correct.

WSS0156

```
Error in certificate used for validation.
```
   Solution: Check that the token contains a valid Certificate.

WSS0165

```
XPath does not correspond to a DOM element.
```
   Solution: Check that the node represented by the XPath is a valid DOM element.

WSS0167

```
Invalid signature; verification failed.
```
   Solution: Make sure the signature was not tampered with in transit.

WSS0168

```
Unable to generate a random symmetric key.
```
   Solution: Verify that the KeyGenerator has been properly initialized.

WSS0169

```
Value of FilterParameterConstants.BINARY_SEC_TOKEN is not set.
```
   Solution: Check that direct referencestrategy is set before exporting the certificate.

WSS0181

```
Subject not authorized; validation failed.
```
   Solution: Check that the user is authorized.

WSS0182

```
FilterParameterConstants.REFERENCE_LIST parameter has a null
value.
```
   Solution: The reference list that needs to be decrypted usually set by ImportEncryptedKeyFilter.

WSS0183

```
Could not locate a valid symmetric key needed for decryption.
```
   Solution: Value of symmetric key seems to be null. Check its value.

WSS0184

Could not retrieve security domain from the Securable SOAP
message.
   Solution: Make sure the `SecurityEnvironment` factory has set the right security
   environment.

WSS0185

Could not find the certificate associated with the direct
reference strategy.
   Solution: Check that the URI is valid and `subjectkeyidentifier` parameter is
   set in configuration.

WSS0189

Data decryption algorithm has to be either Triple-DES,
AES128-CBC, AES256-CBC.
   Solution: Check that the encryption algorithm used is either `3DES`, `AES128_CBC`,
   `AES256_CBC`.

WSS0190

The number of elements encrypted is less than required/allowed.
   Solution: Check that the data references for encryption (in message) match the
   requirements.

WSS0191

A SymmetricKey was not generated earlier that is set on the
calling thread.

KeyName specified could not locate a key in the security
environment.
   Solution: Check that `ExportEncryptedKeyFilter` is called before. Check that a
   valid `KeyStore` URL is used to instantiate the `SecurityEnvironment` and it
   contains a matching `SecretKey`.

WSS0192

At least one target needs to be specified for encryption.
   Solution: Check that a non-null target list is used to instantiate the filter.

WSS0193

Target specified does not correspond to a valid message part.
   Solution: Check that a valid `XPath/QName/wsuId` are specified.

WSS0194

SOAP-ENV:Header can not fully be encrypted.

SOAP-ENV:Body can not fully be encrypted.
   Solution: Check that a valid `XPath/QName/wsuId` are specified complying to the
   spec.

WSS0195

ReferenceListBlock not set on the calling thread.
   Solution: Check that `ExportEncryptedKeyFilter` is called before. Check that
   `ExportReferenceListFilter` is called before.

WSS0196

An instance of SecurityEnvironment class for the operating
environment was not set on SecurableSoapMessage.
   Solution: Check that `SetSecurityEnvironmentFilter` processed the message
   before.

WSS0198

Only RSA_SHA1 Signature algorithm is supported.
   Solution: Check that `RSA_SHA1` signature algorithm is specified.

WSS0199

Timestamp creation time can not be null.
   Solution: Check that non-null creation time is used to instantiate the filter.

WSS0203

Header block corresponding to the desired requirement not found.
   Solution: Check that the message meets the security requirements.

WSS0204

Illegal security header block found in the security header.
   Solution: Check that the message is SOAP Security specification compliant.

WSS0205

Requirement for wsu:Timestamp has not been met.
   Solution: Check that the message meets the security requirements.

WSS0206

Not all receiver requirements for security have been met.
   Solution: Check that the message meets the security requirements.

WSS0208

Extra security than required by the receiver side policy found in
the message.
   Solution: Check that the message strictly meets the security requirements.

WSS0209

The message filter is incorrectly configured to process an inbound
message.
> **Solution:** Check that the filters are correctly configured to process inbound
> messages.

WSS0210

Only RSAv1.5 Key Encryption Algorithm is supported.
> **Solution:** Check that the Key Encryption Algorithm used in the inbound message is
> RSAv1.5.

WSS0212

Receiver requirement for digested password in UsernameToken not
met.
> **Solution:** Check that the message meets the security requirements.

WSS0213

Receiver requirement for nonce in UsernameToken not met.
> **Solution:** Check that the message meets the security requirements.

WSS0215

handle() call for a PropertyCallback on the handler threw
exception.
> **Solution:** Check the handler implementation.

WSS0216

handle() call on the handler threw exception.
> **Solution:** Check the handler implementation.

WSS0217

handle() call on the handler threw exception.
> **Solution:** Check the handler implementation.

WSS0218

handle() call on the handler failed to set the Callback.
> **Solution:** Check the handler implementation for
> SignatureKeyCallback.DefaultPrivKeyCertRequest.

WSS0219

handle() call on the handler failed to set the Callback.
> **Solution:** Check the handler implementation for
> SignatureKeyCallback.DefaultPrivKeyCertRequest.

WSS0220

```
handle() call on the handler failed to set the Callback.
```
   Solution: Check the handler implementation for
   `DecryptionKeyCallback.AliasSymmetricKeyRequest`.

WSS0221

```
handle() call on the handler failed to set the Callback.
```
   Solution: Check the handler implementation for `SignatureKeyCallback` and/or
   `EncryptionKeyCallback`, check `keystores` and `truststores`.

WSS0222

```
handle() call on the handler failed to set the Callback.
```
   Solution: Check keystore path and ensure that the right keys are present.

WSS0301

```
Data malformed. Base 64 decoding error.
```
   Solution: Verify that data is `base64` encoded.

WSS0302

```
Certificate parsing problem.
```
   Solution: Data stream used to create the `x509` certificate maybe corrupted.

WSS0303

```
Certificate encoding exception.
```
   Solution: Check that the `x509` data is valid. Could not extract raw bytes from it.

WSS0306

```
Invalid password type.
```
   Solution: Password type must match that specified by the WSS specification.

WSS0307

```
Nonce encoding namespace check failed.
```
   Solution: Nonce encoding type namespace seems invalid.

WSS0310

```
NoSuchAlgorithmException: Invalid algorithm.
```
   Solution: Check that the algorithm passed to `SecureRandom` is valid.

WSS0311

```
Password digest could not be created.
```
   Solution: Check that the algorithm passed to `MessageDigest` is valid.

WSS0316

BinarySecurity token's Encoding type is invalid.
   Solution: Check that encoding value for BinarySecurity token is valid as per spec.

WSS0317

Could not find X.509 certificate.
   Solution: Ensure certificate path is not empty and certificate type is correct.

WSS0318

Error while parsing and creating the KeyInfo instance.
   Solution: Check values passed to KeyInfo constructor.

WSS0319

Could not add key name to KeyInfo Header block.
   Solution: Check KeyInfo and KeyName have been instantiated without exceptions.

WSS0320

Could not get KeyName from KeyInfo.
   Solution: Make sure the KeyName exists in the KeyInfo.

WSS0321

Could not retrieve element from KeyInfo or could not import the node.
   Solution: Check the element to be converted to SOAPElement.

WSS0322

Exception while parsing and creating the Signature element.
   Solution: Check that a fully initialized XML Signature was passed.

WSS0323

Exception while trying to sign.
   Solution: Check the key used to sign.

WSS0324

Exception while adding a Reference with URI, transforms and Digest algorithm URI to SignedInfo.
   Solution: Verify the following:

   ■ Check getSignatureValue failure cause from underlying XML DSIG implementation.

   ■ Check that the message signed using corresponding private key, and has not been tampered with.

   ■ Check values passed to constructor of XMLSignature.addDocument passed to XML DSig implementation are correct.

```
WSS0327
```

Could not retrieve element from Signature or could not import the
node.
    Solution: Check the element to be converted to `SOAPElement`.

```
WSS0328
```

Error parsing date.
    Solution: Check date format is in UTC. Check it is `yyyy-MM-dd'T'HH:mm:ss'Z'`
    or `yyyy-MM-dd'T'HH:mm:ss'.'sss'Z'`.

```
WSS0329
```

Expecting UsernameToken Element.
    Solution: Check that the next element is `UsernameToken`.

```
WSS0330
```

Username not first child of UsernameToken.
    Solution: Make sure first child of `wsse:UsernameToken` is `Username` in `wsse`
    namespace.

```
WSS0331
```

Element may not be a proper UsernameToken.
    Solution: Check that the `UsernameToken` matches the token schema.

```
WSS0332
```

Username was null.
    Solution: Check `UsernameToken` contains a valid `Username`.

```
WSS0333
```

Keystore URL is null.
    Solution: Check that the property `javax.net.ssl.keyStore` is set properly.

```
WSS0334
```

KeyIdentifier holds invalid ValueType.
    Solution: Check `KeyIdentifier ValueType`'s value.

```
WSS0335
```

KeyReference type not supported.
    Solution: `KeyReference` type should be one of `KeyIdentifier`, `Reference`,
    `X509Data`.

```
WSS0336
```

Can't locate public key.
    Solution: Check public key retrieved should not be null.

WSS0337

Could not resolve URI.
    Solution: Check `DirectReference's ValueType`, it is not supported.

WSS0338

Key Reference Mechanism not supported.
    Solution: Check reference is one of `X509IssuerSerial`, `DirectReference`, `KeyIdentifier`.

WSS0339

Support for processing information in the given ds:KeyInfo is not present.
    Solution: Check `ds:KeyInfo` matches schema.

WSS0340

Creation time cannot be ahead of current UTC time.
    Solution: Check system time and ensure it is correct.

WSS0341

Creation time is very old.
    Solution: Check system time and ensure it is correct.

WSS0342

BinarySecurity Token's Value type is invalid.
    Solution: Check that `valueType` for `BinarySecurity` token is valid as per spec.

WSS0343

Error in creating the BST due to {0}.
    Solution: Check that all required values are set on the Binary Security Token, including `TextNode` value.

WSS0344

The binary data in the Security Token can not be decoded, expected Base64 encoding.
    Solution: Check to see that the encoding format of the Binary Security Token is `Base64Binary`.

WSS0345

Error creating SOAPElement for EncryptedDataHeaderBlock.
    Solution: If `SOAPElement` is used to create `EncryptedData HeaderBlock`, check to see that it is valid as per spec.

```
WSS0346
```

Invalid SOAPElement passed to EncryptedDataHeaderBlock
constructor.
    Solution: Check that the `SOAPElement` passed to `EncryptedDataHeaderBlock`
    is valid as per spec.

```
WSS0347
```

SOAPElement used to initialize EncryptedType may not have
CipherData element.

CipherData may not have been set on the EncryptedType.
    Solution: Check to see `SOAPElement` used to initialize `EncryptedType` has
    `CipherData`. Check to see `setCipherData()` is called on the `EncryptedType`.

```
WSS0348
```

Error creating SOAPElement for EncryptedKeyHeaderBlock.
    Solution: If `SOAPElement` is used to create `EncryptedKeyHeaderBlock`, check
    to see that it is valid as per spec.

```
WSS0349
```

Invalid SOAPElement passed to EncryptedKeyHeaderBlock().
    Solution: Check that the `SOAPElement` passed to
    `EncryptedKeyHeaderBlock()` is valid as per spec.

```
WSS0350
```

Error creating/updating CipherData SOAPElement (in
EncryptedKeyHeaderBlock).
    Solution: Refer your SAAJ API Documentation.

```
WSS0351
```

Error creating EncryptionMethod SOAPElement.
    Solution: Refer your SAAJ API Documentation.

```
WSS0352
```

Error creating javax.xml.soap.Name for CipherValue.
    Solution: Refer your SAAJ API Documentation.

```
WSS0353
```

No CipherValue element(s) are present in CipherData.
    Solution: Check to see if `setCipherValue()` is called on `EncryptedType`.

```
WSS0354
```

An error may have occurred creating javax.xml.soap.Name for
EncryptionMethod.
   Cause: An error may have occurred creating javax.xml.soap.Name for
   KeyInfo. An error may have occurred creating javax.xml.soap.Name for
   CipherData. An error may have occurred creating javax.xml.soap.Name for
   EncryptionProperties.

   Solution: Refer your SAAJ API Documentation.

WSS0355

Error creating
com.sun.org.apache.xml.security.keys.content.keyvalues.DSAKeyValue.
Error creating
com.sun.org.apache.xml.security.keys.content.keyvalues.RSAKeyValue.
Error creating
com.sun.org.apache.xml.security.keys.content.KeyValue.
   Solution: Check that a non-null SOAPElement is passed to addXXXKeyValue().

WSS0356

Error creating
com.sun.org.apache.xml.security.keys.content.X509Data.
   Solution: Check that a non-null SOAPElement is passed to addX509Data().

WSS0357

Error getting KeyValue from KeyInfo for the given index.
   Solution: Check that the ds:KeyInfo element has ds:KeyValue elements. Check
   that the index (beginning with 0) used to refer the ds:KeyValue element is valid.

WSS0358

Error getting X509Data from KeyInfo for the given index.
   Solution: Check that the ds:KeyInfo element has ds:X509Data elements. Check
   that the index (beginning with 0) used to refer the ds:X509Data element is valid.

WSS0359

Error adding
com.sun.org.apache.xml.security.keys.content.X509Data to
KeyInfo.
   Solution: Check that a valid
   com.sun.org.apache.xml.security.keys.content.X509Data (as per
   specs.) is passed to addX509Data().

WSS0360

An error may have occurred creating javax.xml.soap.Name for
ReferenceList.
   Solution: Refer your SAAJ API Documentation.

WSS0361

An error may have occurred creating org.w3c.dom.Element for
ReferenceList.

Cause: The org.w3c.dom.Document object passed
ReferenceListHeaderBlock() may be null.

Solution: Check that the Namespace specified does not contain any illegal
characters as per XML 1.0 specification. Check that the QName specified is not
malformed (Refer to the J2SE Documentation for more information). Check that a
non-Null Document is passed to the ReferenceListHeaderBlock().

WSS0362

Invalid SOAPElement passed to ReferenceListHeaderBlock().

Solution: Check that the SOAPElement passed to
ReferenceListHeaderBlock() is valid as per spec.

WSS0363

Error creating javax.xml.soap.SOAPElement for xenc:DataReference.

Cause: Error adding xenc:DataReference (SOAPElement) as child element of
xenc:DataReference (SOAPElement). Error setting URI attribute on
javax.xml.soap.SOAPElement for xenc:DataReference.

Solution: Refer your SAAJ API Documentation.

WSS0365

Error creating javax.xml.soap.SOAPElement for namespace node.

Solution: Refer your SAAJ API Documentation.

WSS0368

Error getting SOAPEnvelope from SOAPPart.

Solution: Refer your SAAJ API Documentation.

WSS0369

Error getting SOAPHeader from SOAPEnvelope.

Cause: Error creating SOAPHeader.

Solution: Refer to your SAAJ API Documentation.

WSS0371

Error in getting the SOAPBody from the SOAPMessage.

Error in creating javax.xml.soap.Name for setting the fault on
SOAPBody. Error in adding fault to SOAPBody.

Solution: Refer your SAAJ API Documentation.

WSS0376

Error importing the SOAPElement representing the header block to
the document corresponding to the SOAPMessage to which the header
is being added.
  Solution: Check that the `SecurityHeaderBlock` can be transformed to a valid
  `SOAPElement`. Refer to the J2SE Documentation for more.

WSS0377

Error creating javax.xml.soap.SOAPElement for
SecurityTokenReference.
  Solution: Refer your SAAJ API Documentation.

WSS0378

Error creating javax.xml.soap.SOAPElement for
SecurityTokenReference.
  Solution: Check that the `org.w3c.dom.Document` object passed to
  `SecurityTokenReference()` is non-null. Refer your SAAJ API Documentation.

WSS0379

SOAPElement passed to SecurityTokenReference() is not a valid
SecurityTokenReference element as per spec.
  Solution: Check that a valid `SOAPElement` as per spec. is passed to
  `SecurityTokenReference()`.

WSS0380

The ds:Reference would already have been set using the
constructors.
  Solution: Check that a `SOAPElement` with `ds:Reference` (child element) is not
  used to instantiate `SecurityTokenReference`.

WSS0381

Error in setting the passed ReferenceElement on
SecurityTokenReference.
  Solution: Refer your SAAJ API Documentation.

WSS0382

Error appending ds:Object element to ds:Signature.
  Solution: Check that a valid `ds:Object` `SOAPElement` (as per spec.) is passed to
  `appendObject()`. Check that a non-null `SOAPElement` is passed to
  `appendObject()`.

WSS0383

Owner document of ds:Signature SOAPElement is null.
  Solution: Check that the Document used to instantiate
  `SignatureHeaderBlock()` is not null.

WSS0384

```
Error creating javax.xml.soap.Name for Timestamp.
```
   Solution: Refer your SAAJ API Documentation.

WSS0385

```
The SOAPElement used to instantiate Timestamp() is not valid (as
per specification).
```
   Solution: Check that the `Localname` and `NamespaceURI` of the `SOAPElement`
   used to create `Timestamp()` are correct as per spec.

WSS0386

```
Error creating javax.xml.soap.SOAPElement for Timestamp.
```
```
Error adding child SOAPElements to the Timestamp element.
```
   Solution: Refer your SAAJ API Documentation.

WSS0387

```
Username is not set.
```
   Solution: Check that a `Username` has been passed through the configuration file or
   through the callback handler.

WSS0388

```
Error creating javax.xml.soap.SOAPElement for UsernameToken.
```
```
Error adding child SOAPElements to the UsernameToken element.
```
   Solution: Refer your SAAJ API Documentation.

WSS0389

```
Base64 nonce encoding type has not been specified.
```
   Solution: Check that the nonce encoding type used to create `UsernameToken` is
   `Base64`.

WSS0390

```
UTF-8 Charset is unsupported for byte-encoding (a string).
```
   Solution: Refer your J2SE Documentation.

WSS0391

```
Invalid Localname and NamespaceURI of the SOAPElement used for
creating the token.
```
   Solution: Check that the `Localname` and `NamespaceURI` of the `SOAPElement`
   used to create `X509SecurityToken` are valid (as per specification).

WSS0393

```
The expiration time in Timestamp cannot be before current UTC
time.
```
   Solution: Check system time and ensure it is correct.

WSS0394

Error parsing date.
   Solution: Check date format is in UTC. Check it is `yyyy-MM-dd'T'HH:mm:ss'Z'`
   or `yyyy-MM-dd'T'HH:mm:ss'.'sss'Z'`.

WSS0500

Classname `not a recognized class name for a MessageFilter.`
   Solution: Check that the class implements `MessageFilter`.

WSS0502

`Element encountered does not match element expected.`
   Solution: Check that the XML file follows schema for defining configuration.

WSS0503

`Element encountered does not match valid element expected.`
   Solution: Check that the XML file follows schema for defining configuration.

WSS0508

`Default settings can not be specified after custom settings are`
`specified.`
   Solution: Check that no sender operations or receiver requirements are specified in
   a configuration. file. Check that no sender or receiver settings are programmatically
   added.

WSS0509

`Custom settings can not be specified after default settings are`
`specified.`
   Solution: Check that no default settings are programmatically added.

WSS0511

`Non-permissible boolean value string - valid strings are true and`
`false.`
   Solution: Check that the boolean value strings are either `true` or `false`.

WSS0512

`Non-permissible attribute on a Security Configuration element.`
   Solution: Check that the configuration file is consistent with the security
   configuration schema.

WSS0513

`Non-permissible element on xwss:SecurityConfiguration.`
   Solution: Check that the configuration file is consistent with the security
   configuration schema.

WSS0514

```
Non-permissible child element in a Security Configuration
element.
```
   Solution: Check that the configuration file is consistent with the security
   configuration schema.

WSS0515

```
Impermissible value for key reference string.
```
   Solution: Check that the configuration file is consistent with the security
   configuration schema.

WSS0516

```
Non-permissible duplicate element on a Security Configuration
Element.
```
   Solution: Check that the configuration file is consistent with the security
   configuration schema.

WSS0517

```
Non-permissible duplicate element on a Security Configuration
Element.
```
   Solution: Check that the configuration file is consistent with the security
   configuration schema.

WSS0519

```
Non-permissible/missing attribute value.
```
   Solution: Check that the configuration file is consistent with the security
   configuration schema.

WSS0520

```
xwss:SymmetricKey is not permitted along with xwss:X509Token.
```
   Solution: Check that the configuration file is consistent with the security
   configuration schema.

WSS0600

```
A Key can not be located in SecurityEnvironment for the Token
Reference.
```
   Solution: Check that the certificate referred to is valid and present in the Keystores.

WSS0601

```
A Key can not be located in SecurityEnvironment for the KeyValue.
```
   Solution: Check that the certificate referred to is valid and present in the
   Keystores.

WSS0602

A Key can not be located in SecurityEnvironment for the X509Data.
Solution: Check that the certificate referred to is valid and present in the Keystores.

WSS0603

XPathAPI TransformerException in finding element with matching wsu:Id/Id/SAMLAssertionID.
Solution: Refer your `XPathAPI` documentation.

WSS0606

Input Node Set to STR Transform is empty.
Solution: Check that the Referenced Node (to be STR transformed) in `ds:SignedInfo` is valid.

WSS0608

The Reference Mechanism in the SecurityTokenReference is not supported.
Solution: Check that the Reference Mechanism is either `Direct/KeyIdentifier/X509IssuerSerial`.

WSS0609

The referenced security token is neither an XML token nor a raw binary token.
Solution: Check the referenced security token.

WSS0650

Username/Password data file not found.
Solution: Check that the system property `com.sun.xml.wss.usersFile` is set.

WSS0654

Error creating javax.xml.soap.Name for wsu:Id.
Solution: Try the following:

- Refer your SAAJ API Documentation.
- Check that the Class object corresponds to the header block identified by the SOAPElement.

WSS0656

The Keystore URL is not specified/invalid in server.xml.

A Keystore file does not exist in $user.home.
Solution: Check that the `keystoreFile` attribute is specified on SSL Coyote HTTP/1.1 Connector element in `server.xml` and is valid. Check that a keystore file exists in `$user.home`.

WSS0700

An instance of SecurityEnvironment is not set on
SecurableSoapMessage.
   Solution: Check that setSecurityEnvironment() is called on the
   SecurableSoapMessage. Check that SetSecurityEnvironmentFilter is
   applied on SecurableSoapMessage.

WSS0701

No X509v3 Certificate can be located for the alias in Keystore.
   Cause: If no alias has been specified for signing, no default certificate is available.

   Solution: Check that a default certificate is available and/or a valid alias is used.

WSS0702

The X509v3 Certificate for the given alias does not contain a
subject key identifier.
   Solution: Check that a valid X509v3 certificate is present in Keystores.

WSS0704

Agreement name: SESSION-KEY-VALUE, has not been set on the
SecurityEnvironment instance.
   Solution: Check that the agreement name SESSION-KEY-VALUE is set on
   SecurityEnvironment using setAgreementProperty().

WSS0750

Error creating javax.xml.soap.SOAPElement.
   Solution: Refer your SAAJ API Documentation.

WSS0751

The localname of the SOAPElement passed is not Reference.

The namespace URI of the SOAPElement passed does not conform to
WSS Spec.
   Solution: Check that a SOAPElement conformant to spec. is passed.

WSS0752

The localname of the SOAPElement passed is not Embedded.

The namespace URI of the SOAPElement passed does not conform to
WSS Spec.
   Solution: Check that a SOAPElement conformant to spec. is passed.

WSS0753

An embedded token in wsse:Embedded element is missing.
   Solution: Check that the token element is conformant to the WSS specification.

WSS0754

Token on EmbeddedReference has already been set.

    Cause: A `SOAPElement` representation of `EmbeddedReference` containing the Token is used to create the `EmbeddedReference` instance.

WSS0756

Error creating SOAPElement for wsse:KeyIdentifier.

    Solution: Check your SAAJ API Documentation.

WSS0757

Error adding KeyIdentifier value to wsse:KeyIdentifer.

    Solution: Check your SAAJ API Documentation.

WSS0758

Error creating javax.xml.soap.Name.

    Solution: Refer your SAAJ API Documentation.

WSS0759

An X509IssuerSerial instance can not be created.

    Solution: Check that the `SOAPElement` passed to the constructor is conformant to spec. (and has `X509IssuerSerial` child elements).

WSS0800

ds:KeyInfo in the message is not a valid one.

    Solution: Check if the `ds:KeyInfo` in the message is valid.