

Oracle® Tuxedo JCA Adapter

Reference Guide

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ORACLE®

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Oracle Tuxedo JCA Adapter Command Reference

The Oracle Tuxedo JCA Adapter Command Reference describes system processes and commands delivered with the Oracle Tuxedo JCA Adapter software.

[Table 1](#) lists Oracle Tuxedo JCA Adapter commands and functions.

Table 1 Oracle Tuxedo JCA Adapter Commands and Functions

Name	Description
DMConfigChecker	Encrypts configuration file passwords
viewj , viewj32	Views compiler for Oracle Tuxedo JCA Adapter views
mkfldclass , mkfldclass32	Utility function that reads an FML Field Table and produces a java file which implements the FldTbl interface

DMConfigChecker

Name

`DMConfigChecker` – Encrypts configuration file passwords.

Synopsis

```
DMConfigChecker <config_file_name> [key_file_name]
```

Description

The `DMConfigChecker` utility is used to encrypt configuration file passwords. It checks the Oracle Tuxedo JCA Adapter configuration file syntax and replaces all the unencrypted password elements with the encrypted password. If necessary, this utility can also generate a key file which is used to encrypt/decrypt the passwords.

`DMConfigChecker` requires the unlimited strength jurisdiction policy files installed in the `$JAVA_HOME/jre/lib/security` directory. You can download the jurisdiction policy files from Sun or IBM Web sites for your respective JEE installation.

Parameters and Options

This utility supports the following parameters and options:

config_file_name

Required parameter. The name of the configuration file to be processed (either a file name or a full path name). If it is not a full path name, it is assumed that it is located in current working directory.

key_file_name

Optional parameter. Either a file name or a full path name. If it is not of full path name, then it must be located in the current working directory. If it is not specified, a new one is created in the current working directory with the default file name ".msainternal.dat". If the specified file does not exist, a new file is created with the specified name.

Example(s)

Syntax

The encrypted password uses the following format:
{salted-AES}Base64-encoded-cipher-text.

Command-Line Input

The following is a command-line input example:

```
java -classpath $CLASSPATH com.oracle.tuxedo.tools.DMConfigChecker  
bdmconfig.xml foo.key
```

Password Output

The following is an example of the encrypted password output in the configuration file:

```
<ApplicationPasswordEncrypted>{Salted-AES}IS/ehY5MQ3Gdp78vKOhZCA==</  
ApplicationPasswordEncrypted>
```

See Also

- [Oracle Tuxedo JCA Adapter Users Guide](#)
- [Oracle Tuxedo JCA Adapter Programming Guide](#)
- [Oracle Tuxedo JCA Adapter XML Schema Reference](#)
- [Oracle Tuxedo JCA Adapter Javadoc](#)
- [Oracle Tuxedo JCA Error Messages](#)

viewj, viewj32

Name

`viewj`, `viewj32` – View compiler for Oracle Tuxedo JCA Adapter ATMI views.

Synopsis

```
viewj [options] [package-name] view-definition-table
```

Description

This `viewj`, `viewj32` utility is used to read a View definition file and produce a java file that implements the `TypedView` and `TypedView32` interface. The java file should be compiled into a class which can then be used to set and retrieve entries from a View buffer.

For more information, see [Oracle Tuxedo Javadoc](#).

Note: This utility is analogous to the `viewc`, `viewc32(1)` utility in the Oracle Tuxedo Command Reference Guide.

Parameters and Options

This utility supports the following *optional* parameters:

associated_fields

Uses associated count and length fields in generated setters and getters.

compat_names

Uses original naming conventions for generated setters and getters: set or get prefix plus field name.

bean_names

Uses JavaBean naming conventions for generated setters and getters: convert first letter of field name to upper case and add set or get prefix.

modify_strings

Adds null to strings before sending to Tuxedo and truncate strings received from Tuxedo at first null.

xcommon

Generates output class as extending TypedXCommon instead of TypedView.

xctype

Generates output class as extending TypedXCType instead of TypedView.

Example(s)

[Listing 1-1](#) shows a VIEW32 file name (`view32`) input example.

Listing 1-1 VIEW32 File Name

```
VIEW View32
      short  TEST_SHORT    - 1      -      -      0
      string TEST_STRING   - 1      -      100   -
```

The command line input used to compile the VIEW definition is as follows:

```
file: java -class $CLASSPATH weblogic.wtc.jatmi.viewj32 tuxedo.test.simpapp
View32
```

This generates a Java class file (`View32.java`) in the current working directory (`tuxedo.test.simpapp` package).

See Also

- [viewc, viewc32\(1\)](#)
- [Oracle Tuxedo JCA Adapter Users Guide](#)
- [Oracle Tuxedo JCA Adapter Programming Guide](#)
- [Oracle Tuxedo JCA Adapter XML Schema Reference](#)
- [Oracle Tuxedo JCA Adapter Javadoc](#)
- [Oracle Tuxedo JCA Error Messages](#)

mkfldclass, mkfldclass32

Name

`mkfldclass`, `mkfldclass32` – Utility function that reads an FML Field Table and produces a java file that implements the `FldTbl` interface.

Synopsis

```
mkfldclass [package-name] fml-field-table
```

Description

This class is a utility function that reads an FML Field Table and produces a java file which implements the `FldTbl` interface. This java file should be compiled into a class which can then be used to add, retrieve and delete fielded entries from an FML field. This utility is analogous to the [mkfldhdr](#), [mkfldhdr32\(1\)](#) utility in the Oracle Tuxedo Reference Guide.

Parameters and Options

This utility supports the following parameters:

args

The name of the field table to process.

Example(s)

See Also

- [mkfldhdr](#), [mkfldhdr32\(1\)](#)
- [Oracle Tuxedo JCA Adapter Users Guide](#)
- [Oracle Tuxedo JCA Adapter Programming Guide](#)
- [Oracle Tuxedo JCA Adapter Command Reference Guide](#)
- [Oracle Tuxedo JCA Adapter Javadoc](#)
- [Oracle Tuxedo JCA Error Messages](#)

Oracle Tuxedo JCA Adapter Schema Reference

This Chapter contains the following topics:

- [Oracle Tuxedo JCA Adapter Configuration XML Schema](#)

Oracle Tuxedo JCA Adapter Configuration XML Schema

The Oracle Tuxedo JCA Adapter configuration file is an XML-based text file. The name and location of the configuration file is contained in the "dmconfig" configuration property in the ra.xml file.

For more information, see the [Oracle Tuxedo JCA Adapter Users Guide](#).

[Listing 1](#) shows the Oracle Tuxedo JCA Adapter configuration file XML schema.

Listing 1 Oracle Tuxedo JCA Adapter Configuration File XML Schema

```
<?xml version="1.0" encoding="UTF-8" ?>
<xsd:schema
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <xsd:element name="TuxedoConnector" type="TuxedoConnectorType"/>
  <xsd:complexType name="TuxedoConnectorType">
    <xsd:annotation>
      <xsd:documentation>Tuxedo JCA Adapter configuration
body</xsd:documentation>
    </xsd:annotation>
  </xsd:complexType>
</xsd:schema>
```

```

<xsd:sequence>
  <xsd:element name="Resources" maxOccurs="1" type="ResourcesType"
    minOccurs="0" nillable="true" />
  <xsd:element name="LocalAccessPoint" maxOccurs="unbounded"
type="LocalAccessPointType"
    minOccurs="1" nillable="false" />
  <xsd:element name="RemoteAccessPoint" maxOccurs="unbounded"
type="RemoteAccessPointType"
    minOccurs="0" nillable="true" />
  <xsd:element name="SessionProfile" maxOccurs="unbounded"
type="SessionProfileType"
    minOccurs="0" nillable="true" />
  <xsd:element name="Session" maxOccurs="unbounded" type="SessionType"
    minOccurs="0" nillable="true" />
  <xsd:element name="Import" maxOccurs="unbounded" type="ImportType"
    minOccurs="0" nillable="true" />
  <xsd:element name="Export" maxOccurs="unbounded" type="ExportType"
    minOccurs="0" nillable="true" />
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ResourcesType">
  <xsd:annotation>
    <xsd:documentation>Global resources for a Tuxedo JCA
Adapter</xsd:documentation>
  </xsd:annotation>
  <xsd:sequence>
    <xsd:element name="FieldTable16Classes" maxOccurs="unbounded"
type="xsd:string"
      minOccurs="0" nillable="true">
      <xsd:annotation>
        <xsd:documentation>
          The name of Field Table 16 class for FML
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="FieldTable32Classes" maxOccurs="unbounded"
type="xsd:string"

```

```

        minOccurs="0" nillable="true">
<xsd:annotation>
  <xsd:documentation>
    The name of Field Table 32 class for FML32
  </xsd:documentation>
</xsd:annotation>
</xsd:element>
<xsd:element name="ViewFile16Classes" maxOccurs="unbounded"
type="xsd:string"
        minOccurs="0" nillable="true">
<xsd:annotation>
  <xsd:documentation>
    The name of VIEW Table 16 class for VIEW
  </xsd:documentation>
</xsd:annotation>
</xsd:element>
<xsd:element name="ViewFile32Classes" maxOccurs="unbounded"
type="xsd:string"
        minOccurs="0" nillable="true">
<xsd:annotation>
<xsd:documentation>
  The name of VIEW Table 32 class for VIEW
</xsd:documentation>
</xsd:annotation>
</xsd:element>
<xsd:element name="ApplicationPasswordEncrypted" maxOccurs="1"
type="xsd:string"
        minOccurs="0" nillable="true">
<xsd:annotation>
  <xsd:documentation>
    The application password for joining Tuxedo application
  </xsd:documentation>
</xsd:annotation>
</xsd:element>
<xsd:element name="TpusrFile" maxOccurs="1" type="xsd:string"
        minOccurs="0" nillable="true">
<xsd:annotation>

```

```
<xsd:documentation>
  The TPUSR file used for identity propagation
</xsd:documentation>
</xsd:annotation>
</xsd:element>
<xsd:element name="RemoteMBEncoding" maxOccurs="1" type="xsd:string"
  minOccurs="0" nillable="true">
  <xsd:annotation>
    <xsd:documentation>
      The MB encoding used by Tuxedo application
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="MBEncodingMapFile" maxOccurs="1" type="xsd:string"
  minOccurs="0" nillable="true">
  <xsd:annotation>
    <xsd:documentation>
      The MB encoding names map file.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="LocalAccessPointType">
  <xsd:sequence>
    <xsd:element name="AccessPointId" maxOccurs="1" type="xsd:string"
      minOccurs="0" nillable="false">
      <xsd:annotation>
        <xsd:documentation>
          The identification of a local access point. Used by default as
          connection principal name. It has to be globally unique. If not specified
          then the value of "name" attribute will be used.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="NetworkAddress" maxOccurs="unbounded">
```

```

type="xsd:string"
    minOccurs="1" nillable="false">
    <xsd:annotation>
    <xsd:documentation>
        The local access point's listening address including both host address
and port number. specify the TCP/IP address in the formant
//hostname:portnumber or //#.##.##:port_number.
    </xsd:documentation>
    </xsd:annotation>
</xsd:element>
<xsd:element name="SSLInfo" maxOccurs="1" type="SSLInfoType"
    minOccurs="0" nillable="true">
<xsd:annotation>
    <xsd:documentation>
        The SSL configuration information.
    </xsd:documentation>
</xsd:annotation>
</xsd:element>
</xsd:sequence>
<xsd:attribute name="name" type="xsd:string" />
</xsd:complexType>
<xsd:complexType name="RemoteAccessPointType">
    <xsd:sequence>
    <xsd:element name="AccessPointId" maxOccurs="1" type="xsd:string"
        minOccurs="0" nillable="false">
    <xsd:annotation>
    <xsd:documentation>
        The identification of a remote access point. Used by default as
connection principal name. It has to be globally unique. If not specified
then the value of "name" attribute will be used.
    </xsd:documentation>
    </xsd:annotation>
</xsd:element>
    <xsd:element name="NetworkAddress" maxOccurs="unbounded"
type="xsd:string"
        minOccurs="1" nillable="false">
    <xsd:annotation>
    <xsd:documentation>

```

The network address and port number of this remote Tuxedo access point. Specify the TCP/IP address in the format //hostname:port_number or //#. #. #. #:port_number.

```
</xsd:documentation>
</xsd:annotation>
</xsd:element>
<xsd:element name="TpusrFile" maxOccurs="1" type="xsd:string"
              minOccurs="0" nillable="true">
```

```
<xsd:annotation>
  <xsd:documentation>
    The TPUSR file for this remote Tuxedo access point.
  </xsd:documentation>
</xsd:annotation>
```

```
</xsd:element>
<xsd:element name="AllowAnonymous" maxOccurs="1" type="xsd:boolean"
              minOccurs="0" nillable="true">
```

```
<xsd:annotation>
  <xsd:documentation>
    Indicate whether the remote Tuxedo access point allow anonymous access
    or not.
  </xsd:documentation>
</xsd:annotation>
```

```
</xsd:element>
<xsd:element name="DefaultApplicationKey" maxOccurs="1"
              type="xsd:string"
              minOccurs="0" nillable="true">
```

```
<xsd:annotation>
  <xsd:documentation>
    The default application key value for this remote Tuxedo access point.
    If not specified then "-1" assumed.
  </xsd:documentation>
</xsd:annotation>
```

```
</xsd:element>
<xsd:element name="CustomApplicationKey" maxOccurs="1"
              minOccurs="0" nillable="true">
```

```
<xsd:annotation>
  <xsd:documentation>
    The type of application key generator name.
  </xsd:documentation>
</xsd:annotation>
```

```

    </xsd:documentation>
  </xsd:annotation>
<xsd:complexType>
  <xsd:all>
    <xsd:element name="ApplicationKeyClass" type="xsd:string">
      <xsd:annotation>
        <xsd:documentation>
          The application key generateor class name.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="ApplicationKeyClassParam" type="xsd:string">
      <xsd:annotation>
        <xsd:documentation>
          The parameter string passed to application key generator when the
          class is initialized at runtime.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
  </xsd:all>
</xsd:complexType>
</xsd:element>
</xsd:sequence>
<xsd:attribute name="name" type="xsd:string" />
</xsd:complexType>
<xsd:complexType name="SessionProfileType">
  <xsd:sequence>
    <xsd:element name="Security" maxOccurs="1"
      minOccurs="0" nillable="true">
      <xsd:annotation>
        <xsd:documentation>
          The type of Tuxedo application security enforced by the remote Tuxedo
          domain. If not specified then "NONE" is assumed.
        </xsd:documentation>
      </xsd:annotation>
    <xsd:simpleType>
      <xsd:restriction base="xsd:string">

```

```

    <xsd:enumeration value="NONE" />
    <xsd:enumeration value="APP_PW" />
    <xsd:enumeration value="DM_PW" />
  </xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="BlockTime" maxOccurs="1"
              minOccurs="0" nillable="false" default="60">
  <xsd:annotation>
    <xsd:documentation>
      The maximum number of milliseconds allows for a blocking call for
      outbound request using this session profile.
    </xsd:documentation>
  </xsd:annotation>
</xsd:simpleType>
  <xsd:restriction base="xsd:long">
    <xsd:minInclusive value="0" />
    <xsd:maxInclusive value="2147483647000" />
  </xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="Interoperate" maxOccurs="1" type="xsd:boolean"
              minOccurs="0" nillable="true">
  <xsd:annotation>
    <xsd:documentation>
      Specifies whether this local access point interoperates with remote
      Tuxedo application domain that are based upon Tuxedo release 6.5. If this
      value is set to YEs, the local access point interoperates with Tuxedo 6.5
      domain.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="ConnectionPolicy" maxOccurs="1"
              minOccurs="0" nillable="true">
  <xsd:annotation>
    <xsd:documentation>
      The condition under which this /Domain session is established. If not

```

specified then ON_DEMAND is assumed.

```

    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:enumeration value="ON_DEMAND" />
      <xsd:enumeration value="ON_STARTUP" />
      <xsd:enumeration value="INCOMING_ONLY" />
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="ACLPolicy" maxOccurs="1"
              minOccurs="0" nillable="true">

```

```

  <xsd:annotation>
    <xsd:documentation>
      The ACL policy to be enforced on this /Domain session. The default
      value is Local.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:enumeration value="local" />
      <xsd:enumeration value="global" />
      <xsd:enumeration value="Local" />
      <xsd:enumeration value="Global" />
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="CredentialPolicy" maxOccurs="1"
              minOccurs="0" nillable="true">

```

```

  <xsd:annotation>
    <xsd:documentation>
      The credential propagation policy. The default value is Local.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleType>

```

```

<xsd:restriction base="xsd:string">
  <xsd:enumeration value="local" />
  <xsd:enumeration value="global" />
  <xsd:enumeration value="Local" />
  <xsd:enumeration value="Global" />
</xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="RetryInterval" maxOccurs="1"
  minOccurs="0" nillable="false" default="60">
  <xsd:annotation>
    <xsd:documentation>
      The number of seconds that this session wait between automatic
      connection establishment attempt. Use this value only when ConnectionPolicy
      is set to ON_STARTUP.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleType>
    <xsd:restriction base="xsd:long">
      <xsd:minInclusive value="0" />
      <xsd:maxInclusive value="2147483647" />
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="MaxRetries" maxOccurs="1"
  minOccurs="0" nillable="false" default="9223372036854775807">
  <xsd:annotation>
    <xsd:documentation>
      The maximum number of times tht this session tries to establish a
      session connection to remote Tuxedo access points. Use this value only when
      connection policy is set to ON_STARTUP
    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleType>
    <xsd:restriction base="xsd:long">
      <xsd:minInclusive value="0" />
      <xsd:maxInclusive value="9223372036854775807" />
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>

```

```

    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="CompressionLimit" maxOccurs="1"
             minOccurs="0" nillable="false" default="2147483647">
  <xsd:annotation>
    <xsd:documentation>
      The compression threshold this session uses when sending data to a
      remote Tuxedo access point. Application buffers larger than this size are
      compressed.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleType>
    <xsd:restriction base="xsd:int">
      <xsd:minInclusive value="0" />
      <xsd:maxInclusive value="2147483647" />
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="MinEncryptBits" maxOccurs="1"
             minOccurs="0" nillable="true">
  <xsd:annotation>
    <xsd:documentation>
      The minimum encryption key length (in bits) this session use when
      establish a session connection. A value of 0 indicates no encryption is
      used. Key strength of 256 bits is for SSL support only. Default value is 0.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:enumeration value="0" />
      <xsd:enumeration value="40" />
      <xsd:enumeration value="56" />
      <xsd:enumeration value="128" />
      <xsd:enumeration value="256" />
    </xsd:restriction>
  </xsd:simpleType>

```

```

</xsd:element>
<xsd:element name="MaxEncryptBits" maxOccurs="1"
              minOccurs="0" nillable="true">
  <xsd:annotation>
    <xsd:documentation>
      The maximum encryption key length (in bits) this session uses when
      establish a session connection. A value of 0 indicates no encryption is
      used. Key strength of 256 bits is for SSL support only. Default value is 128.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:enumeration value="0" />
      <xsd:enumeration value="40" />
      <xsd:enumeration value="56" />
      <xsd:enumeration value="128" />
      <xsd:enumeration value="256" />
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="KeepAlive" maxOccurs="1"
              minOccurs="0" nillable="false" default="0">
  <xsd:annotation>
    <xsd:documentation>
      Specifies whether this /Domain session is configured with Application
      Level Keep Alive, and its maximum idle time before wait timer start ticking.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleType>
    <xsd:restriction base="xsd:long">
      <xsd:minInclusive value="0" />
      <xsd:maxInclusive value="2147483647" />
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="KeepAliveWait" maxOccurs="1"
              minOccurs="0" nillable="false" default="0">

```

```

<xsd:annotation>
  <xsd:documentation>
    Value that tells whether this session requires the acknowledgement of
    Application Level Keep Alive, and how long it will wait without receiving
    acknowledgement before declare the connection is inaccessible.
  </xsd:documentation>
</xsd:annotation>
<xsd:simpleType>
  <xsd:restriction base="xsd:long">
    <xsd:minInclusive value="0" />
    <xsd:maxInclusive value="2147483647" />
  </xsd:restriction>
</xsd:simpleType>
</xsd:element>
</xsd:sequence>
<xsd:attribute name="name" type="xsd:string" />
</xsd:complexType>
<xsd:complexType name="SessionType">
  <xsd:sequence>
    <xsd:element name="LocalAccessPointName" maxOccurs="1" type="xsd:string"
      minOccurs="1" nillable="false">
      <xsd:annotation>
        <xsd:documentation>
          The local access point name to construct a /Domain session.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="RemoteAccessPointName" maxOccurs="1"
      type="xsd:string"
      minOccurs="1" nillable="false">
      <xsd:annotation>
        <xsd:documentation>
          The remote access point name to construct a /Domain session.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="ProfileName" maxOccurs="1" type="xsd:string"

```

```

        minOccurs="1" nillable="false">
<xsd:annotation>
  <xsd:documentation>
    The profile used by this /Domain session.
  </xsd:documentation>
</xsd:annotation>
</xsd:element>
<xsd:element name="PasswordPair" maxOccurs="2" type="PasswordType"
  minOccurs="0" nillable="true">
<xsd:annotation>
  <xsd:documentation>
    The password pair for SECURITY=DM_PWD to establish connection.
  </xsd:documentation>
</xsd:annotation>
</xsd:element>
</xsd:sequence>
<xsd:attribute name="name" type="xsd:string" />
</xsd:complexType>
<xsd:complexType name="ImportType">
<xsd:sequence>
  <xsd:element name="RemoteName" maxOccurs="1" type="xsd:string"
    minOccurs="0" nillable="true">
<xsd:annotation>
  <xsd:documentation>
    The exported remote Tuxedo name, if not specified then it will
    have the same value as name attribute.
  </xsd:documentation>
</xsd:annotation>
</xsd:element>
<xsd:element name="SessionName" maxOccurs="unbounded" type="xsd:string"
  minOccurs="1" nillable="false">
<xsd:annotation>
  <xsd:documentation>
    The comma separated list of session that import this resource.
  </xsd:documentation>
</xsd:annotation>
</xsd:element>

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<xsd:element name="LoadBalancing" maxOccurs="1"
             minOccurs="0" nillable="false" default="RoundRobin">
  <xsd:annotation>
    <xsd:documentation>
      The load balance algorithm used by this imported resource.
    </xsd:documentation>
  </xsd:annotation>
  <xsd:simpleType>
    <xsd:restriction base="xsd:string">
      <xsd:enumeration value="RoundRobin" />
      <xsd:enumeration value="Random" />
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
</xsd:sequence>
<xsd:attribute name="name" type="xsd:string" />
</xsd:complexType>
<xsd:complexType name="ExportType">
  <xsd:sequence>
    <xsd:element name="RemoteName" maxOccurs="1" type="xsd:string"
                 minOccurs="0" nillable="true">
      <xsd:annotation>
        <xsd:documentation>
          The resource name Tuxedo used to access AS. If not specified then
          take the same value as "name" attribute.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="SessionName" maxOccurs="unbounded" type="xsd:string"
                 minOccurs="1" nillable="true">
      <xsd:annotation>
        <xsd:documentation>
          The list of sessions that allow access to this resource.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="Type" maxOccurs="1"

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                minOccurs="0" nillable="false" default="EJB">
<xsd:annotation>
  <xsd:documentation>
    Type of service or resource.
  </xsd:documentation>
</xsd:annotation>
<xsd:simpleType>
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="EJB" />
    <xsd:enumeration value="POJO" />
  </xsd:restriction>
</xsd:simpleType>
</xsd:element>
<xsd:element name="Source" maxOccurs="1" type="xsd:string"
  minOccurs="0" nillable="true">
  <xsd:annotation>
    <xsd:documentation>
      The class to be invoked by Tuxedo JCA Connector
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="SourceLocation" maxOccurs="1" type="xsd:string"
  minOccurs="0" nillable="true">
  <xsd:annotation>
    <xsd:documentation>
      The JAR file name of the source class. This is required for POJO.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
</xsd:sequence>
  <xsd:attribute name="name" type="xsd:string" />
</xsd:complexType>
<xsd:complexType name="PasswordType">
  <xsd:sequence>
    <xsd:element name="LocalPasswordEncrypted" maxOccurs="1"
  type="xsd:string"
    minOccurs="1" nillable="false">

```

```

<xsd:annotation>
  <xsd:documentation>
    The encrypted local password.
  /xsd:documentation>
</xsd:annotation>
</xsd:element>
<xsd:element name="RemotePasswordEncrypted" maxOccurs="1"
type="xsd:string"
      minOccurs="0" nillable="true">
  <xsd:annotation>
    <xsd:documentation>
      The encrypted remote password.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="ActivationTime" maxOccurs="1" type="xsd:string"
      minOccurs="0" nillable="true">
  <xsd:annotation>
    <xsd:documentation>
      This date and time string indicates when the password pair starts to
      become effective. If not specified, it is assumed already in effect. The
      format is yyyy:mm:dd:hh:mm:ss.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="DeactivationTime" maxOccurs="1" type="xsd:string"
      minOccurs="0" nillable="true">
  <xsd:annotation>
    <xsd:documentation>
      This date and time string indicates when the password pair becomes
      obsolete. If not specified then there is no expiration time. The format is
      yyyy:mm:dd:hh:mm:ss.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
</xsd:sequence>
<xsd:attribute name="name" type="xsd:string" />
</xsd:complexType>

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<xsd:complexType name="SSLInfoType">
  <xsd:annotation>
    <xsd:documentation>
      For SSL information. One element stating whether using SSL or not. The
rest
    </xsd:documentation>
  </xsd:annotation>
  <xsd:all>
    <xsd:element name="MutualAuthenticationRequired" maxOccurs="1"
type="xsd:boolean"
      minOccurs="0" nillable="true">
      <xsd:annotation>
        <xsd:documentation>
          Indicate whether the mutual authentication is required on SSL
connection
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="IdentityKeyStoreFileName" type="xsd:string"
nillable="false">
      <xsd:annotation>
        <xsd:documentation>
          The full path name of the identity key store file name.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="IdentityKeyStorePassPhraseEncrypted" maxOccurs="1"
type="xsd:string"
      minOccurs="0" nillable="true">
      <xsd:annotation>
        <xsd:documentation>
          The encrypted identity key store pass phrase.
        </xsd:documentation>
      </xsd:annotation>
    </xsd:element>
    <xsd:element name="PrivateKeyAlias" type="xsd:string" nillable="false">
      <xsd:annotation>

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    <xsd:documentation>
      The alias in the identity key store to be used to retrieve private key.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="PrivateKeyPassPhraseEncrypted" type="xsd:string"
nillable="false">
  <xsd:annotation>
    <xsd:documentation>
      The encrypted password used for decrypt the private key pass phrase in
the identity key store.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="TrustKeyStoreFileName" type="xsd:string"
nillable="false">
  <xsd:annotation>
    <xsd:documentation>
      The full path name of trust key store file name.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
<xsd:element name="TrustKeyStorePassPhraseEncrypted" type="xsd:string"
nillable="false">
  <xsd:annotation>
    <xsd:documentation>
      The encrypted passphrase to be used when retriving certificate from
trust key store.
    </xsd:documentation>
  </xsd:annotation>
</xsd:element>
</xsd:all>
</xsd:complexType>
</xsd:schema>

```

See Also

- [Oracle Tuxedo JCA Adapter Users Guide](#)
- [Oracle Tuxedo JCA Adapter Programming Guide](#)
- [Oracle Tuxedo JCA Adapter Command Reference Guide](#)
- [Oracle Tuxedo JCA Adapter Javadoc](#)
- [Oracle Tuxedo JCA Error Messages](#)