

PeopleSoft®

PeopleSoft EnterpriseOne XPI 8.94
PeopleBook: Installation and
Configuration for EnterpriseOne
Adapter

(Microsoft Windows and UNIX Systems)

September 2005

PeopleSoft EnterpriseOne XPI 8.94 PeopleBook:
Installation and Configuration for EnterpriseOne Adapter
(Microsoft® Windows and UNIX® Systems)

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Introduction

PeopleSoft provides an EnterpriseOne Adapter for XPI Integration Server that enables the exchange of information between PeopleSoft EnterpriseOne and other heterogeneous systems including Clarify, PeopleSoft, SAP, and Oracle Financials. The EnterpriseOne Adapter for Integration Server provides a flexible, easy-to-use mechanism for XPI-enabled applications to interface with the EnterpriseOne system.

The procedures in this guide support the following releases:

- PeopleSoft EnterpriseOne ERP 8.0 and OneWorld Xe
- PeopleSoft EnterpriseOne 8.9
- PeopleSoft EnterpriseOne 8.10
- PeopleSoft EnterpriseOne 8.11

Nomenclature

Throughout this document, when EnterpriseOne or OneWorld is referenced, the reference should be thought of as the system that you are using (EnterpriseOne 8.9, ERP 8.0, OneWorld Xe).

In this document, the following nomenclature is followed relative to the PeopleSoft EnterpriseOne systems:

- **PeopleSoft EnterpriseOne ERP 8.0** was previously known as J.D. Edwards ERP 8.0.
- **OneWorld Xe** was previously known as J.D. Edwards OneWorld Xe (B7 system).
- **PeopleSoft EnterpriseOne 8.9** was previously known as J.D. Edwards ERP 9.0 (B9 system).

Prerequisites

Ensure that the following prerequisites are met prior to installing and configuring the EnterpriseOne Adapter for XPI Integration Server:

- The XPI Foundation 8.94 **must** be installed prior to configuring the EnterpriseOne Adapter. The XPI 8.94 install includes components that are required by the adapter. The adapter is automatically installed if you chose to install any of the typical install options for XPI 8.94 or can be installed separately using the advanced install.
- The XPI Integration Server, on which the EnterpriseOne Adapter will be installed, must be set up on the same network as the EnterpriseOne server.
- To use the sample services shipped with the EnterpriseOne Adapter, you must install the following package from the inbound directory to the XPI Integration Server:

`PSFT_EnterpriseOne_AdapterSamples.zip`

- **If you install EnterpriseOne Tools 8.95, you must update your EnterpriseOne adapter to the adapter delivered in the System/Classes directory of EnterpriseOne.**
- With EnterpriseOne Tools 8.95, guaranteed event functionality is enabled for EnterpriseOne Applications 8.9 and 8.10. To receive guaranteed events through the outbound template of the EnterpriseOne adapter, you must install the EnterpriseOne adapter that is delivered in the System/Classes directory of EnterpriseOne. This adapter provides guaranteed event functionality. In addition, ensure that the following have been installed and configured:
 - EnterpriseOne Tools 8.95
 - Transaction Server Components 8.95
 - EnterpriseOne Application ESU

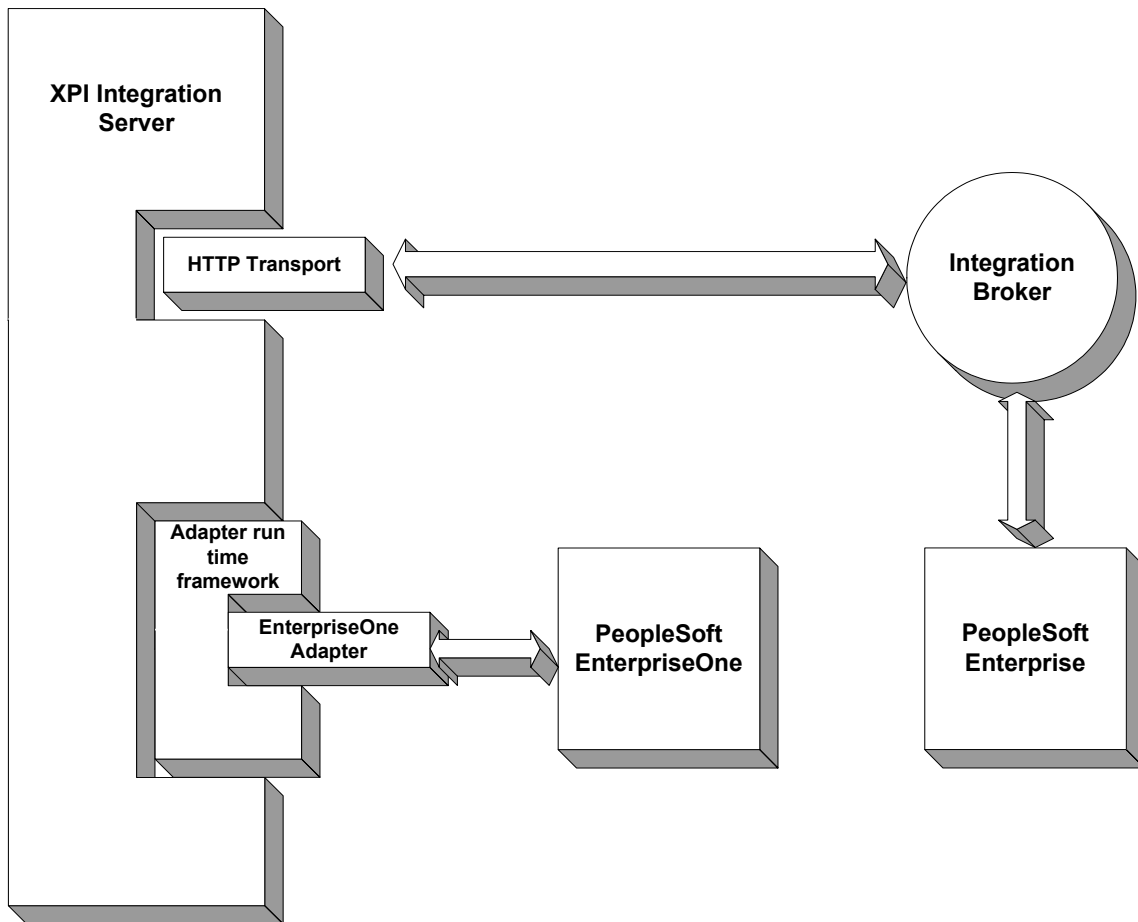
Before You Begin

- Make sure that you obtain the latest version of the applicable installation guides.
- Verify that your system meets the Minimum Technical Requirements (MTRs) for the hardware and software required to install PeopleSoft EnterpriseOne XPI Foundation. See the **Minimum Technical Requirements** Web page on PeopleSoft Customer Connection for a list of requirements.

Architecture

The EnterpriseOne Adapter for XPI Integration Server connects to EnterpriseOne using the standard interoperability technologies built into EnterpriseOne. This adapter has been updated to run on the new adapter framework that resides inside the Integration Server. This provides a more scalable and reliable runtime framework for the adapter and exposes the EnterpriseOne services directly to the XPI Integration Server Flows. The following diagram illustrates the architecture:

Diagram: EnterpriseOne Adapter for XPI Integration Server



STEP 1: Installation

Typically, the EnterpriseOne Adapter is installed during the XPI Foundation installation using one of the following installation methods:

- **Typical**
This option automatically installs the EnterpriseOne Adapter on the Integration Server by default.
- **Advanced**
This option installs the EnterpriseOne Adapter only if you select the EnterpriseOne Adapter installation option.

EnterpriseOne Adapter Installation for Post-XPI Foundation Installations

If the EnterpriseOne Adapter was not installed as part of the XPI 8.94 Foundation installation, then you can install it by performing the following steps:

1. Shut down the Integration Server if it is running.
2. Run the XPI 8.94 Foundation Installer again, and choose the “Advanced Server” installation type.
3. Follow the instructions in the installation screens until you are prompted to enter the installation directory location. Enter the location of the existing XPI directory.
4. On the component selection screen, under PeopleSoft Integration Platform, in the Adapters section, select PeopleSoft EnterpriseOne Adapter. The Integration Server is a prerequisite for the EnterpriseOne adapter.

Note

After installing the EnterpriseOne Adapter, you must restart the Integration Server.

Starting the Integration Server

Follow the instructions below to start the Integration Server.

► To start the Integration Server

1. Perform the following steps depending on the platform you are using:
For **Windows**:
 - a. On your Integration Server machine, click Start, Programs, PeopleSoft, Servers, XPI Integration Server.
 - b. Optionally, you can start the Integration Server by running the server.exe file found in the following directory:

`C:\<XPI_Install_Directory>\IntegrationServer\bin\server.exe`

where *<XPI_Install_Directory>* is the directory where XPI is installed. The default installation directory is `C:\PeopleSoft\XPI`.

For **UNIX**:

- a. On your Integration Server machine, change to the bin directory, as in the following example:

```
cd /PeopleSoft/xpi/IntegrationServer/bin
```

- b. Use the following command to start the Integration Server.

```
./server.sh
```

Note

After installing the EnterpriseOne Adapter, you must configure the adapter to make it available for use. See *Step 2: Configuration* in this guide.

STEP 2: Configuration

To properly configure the EnterpriseOne Adapter, you must perform one or more of the following tasks:

- Configure a connection to your EnterpriseOne server.
- Configure a new connection.
- Work with JDBC drivers.

After you complete the steps in this section, you must perform the following additional tasks to make the adapter available for use:

- Install and configure the JDBC Driver(s).
See *Working with JDBC Drivers* in this guide.
- Run genJava for EnterpriseOne ERP 8.0 connections only
See *Appendix B* in this guide.
- Install WebSphere Application Client for EnterpriseOne 8.11 Event WebSphere connections only.
See *Appendix E* in this guide.

Note:

This is required only if your EnterpriseOne system is at an 8.94 release level. If you have applied 8.95 or later release, you do not need to install a WebSphere Application Client.

- Copy the correct version of the connector for the adapter.
See *Appendix D* in this guide.
- Ensure that the serialized objects for tables and views have been generated in the EnterpriseOne database prior to working with the EnterpriseOne Adapter JDBj templates.
See the *EnterpriseOne PeopleTools Web Server Installation PeopleBook*.

Configuring a Connection to Your EnterpriseOne Server

To use the EnterpriseOne Adapter, you must access the EnterpriseOne Adapter configuration page and configure a connection to your EnterpriseOne server.

► To access the EnterpriseOne Adapter configuration page

1. Connect to your XPI Integration Server machine by entering the URL. For example:

`http://localhost:5555`

where *localhost* is the name or IP address of the server running the Integration Server, and *5555* is the port with the Integration Server.

Note

You must provide a user name and password. The case-sensitive default values are:

- **Username:** Administrator
- **Password:** manage

	Current	Peak	Limit
Total Sessions	1	3	-
Licensed Sessions	0	1	10000
Service Threads	1	4	-
System Threads	284	284	-
Uptime	20h:48m:11s		

	Current
Completed Req's	2145
Average Time	0 ms
Service Errors	3
Req's per minute	6/min

	Usage
Total	246462 KB
Used	159402 KB 65%
Free	87060 KB 35%

2. In the left pane, from the Adapters menu, choose EnterpriseOne Adapter.

Note

If the EnterpriseOne Adapter link does not appear, then it is not installed correctly. See *Appendix C: Troubleshooting the EnterpriseOne Adapter for XPI Integration Server* in this guide.

Configuring New Connections

PeopleSoft includes default connections with the EnterpriseOne Adapter installation. These connections are used for the adapter samples and for all the pre-built integrations. To use these default connections, you must configure them for your EnterpriseOne server.

For other services, you can use the default connections or create new connections. Note that adapter services are tied to a connection name when they are created. Once created, you cannot change the connection that a particular service uses.

After you update a default connection or create a new one, you must configure the connection based on your connection type.

Important!

The default connection types for EnterpriseOne 8.95 have been renamed. This table lists the EnterpriseOne adapter connection name for EnterpriseOne Tools Release 8.94 and the corresponding connection name for EnterpriseOne Tools Release 8.95:

EnterpriseOne Adapter Default Connection Names for EnterpriseOne Tools Release 8.94 and Previous Releases	EnterpriseOne Adapter 8.94 Default Connection Names for EnterpriseOne Tools Release 8.95 and Later Releases
PeopleSoft EnterpriseOne Connection	PeopleSoft EnterpriseOne Connection
J.D. Edwards ERP8 Connection	J.D. Edwards ERP 8 Connection
PeopleSoft EnterpriseOne Event Connection (8.9 and 8.10 only)	PeopleSoft EnterpriseOne Reliable Event Connection
J.D. Edwards ERP 8 Event Connection	J.D. Edwards ERP 8 Event Connection
PeopleSoft EnterpriseOne 8.11 Event Connection (WebSphere)	PeopleSoft EnterpriseOne Guaranteed Event Connection
PeopleSoft EnterpriseOne Event Connection (WebLogic)	Removed

This section contains the following tasks:

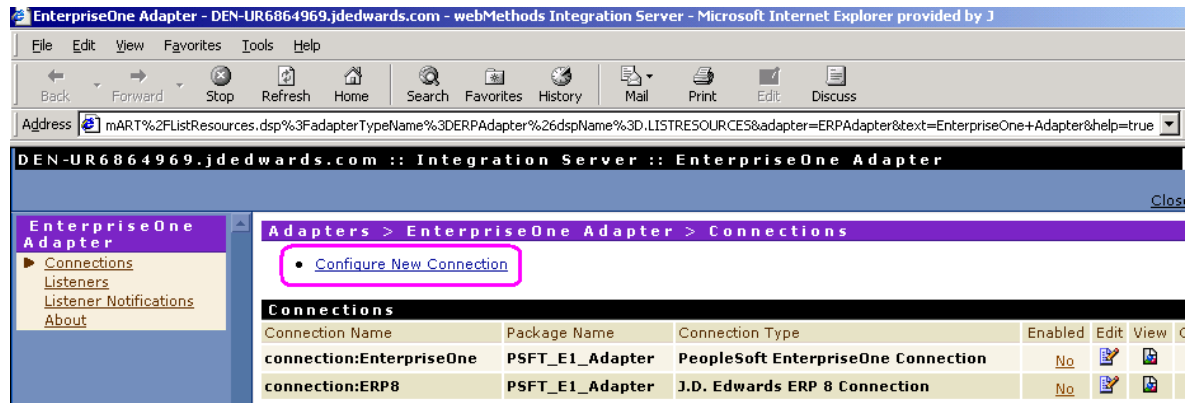
- Configure a new connection.
- Update a default connection.
- Configure an EnterpriseOne connection.
- Configure an EnterpriseOne Guaranteed Events connection.

- Configure an EnterpriseOne Reliable Events connection for EnterpriseOne 8.9 and 8.10.
- Configure an EnterpriseOne ERP 8.0 or OneWorld Xe connection.
- Configure an EnterpriseOne ERP 8.0 or OneWorld Xe Event connection.

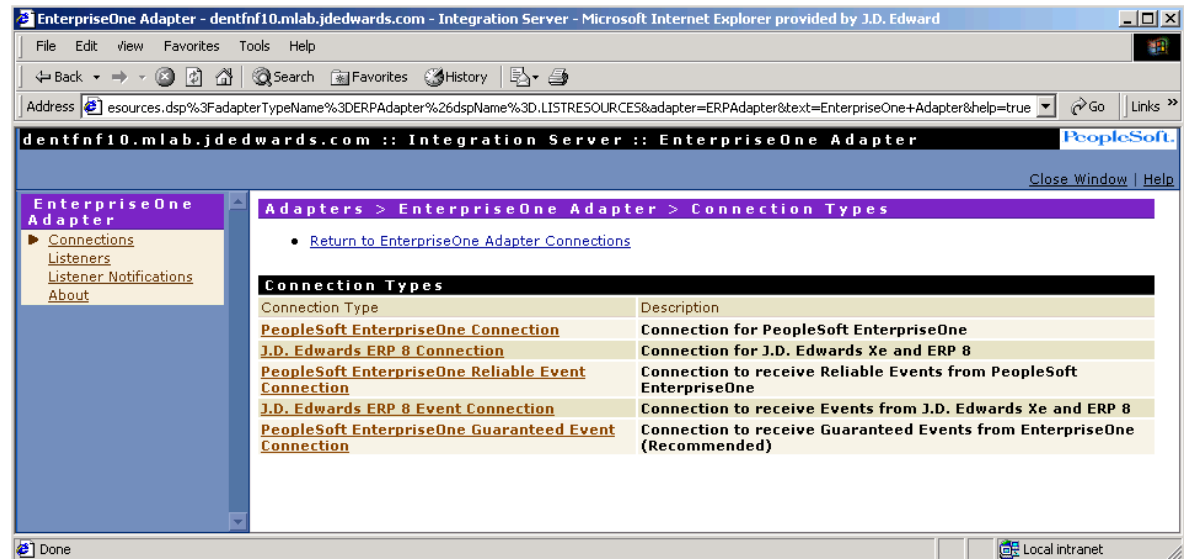
► **To configure a new connection**

Note

PeopleSoft recommends that you use the default connections. Only continue with this section if the situation requires a separate connection; otherwise, see the *To update a default connection* task in this guide.



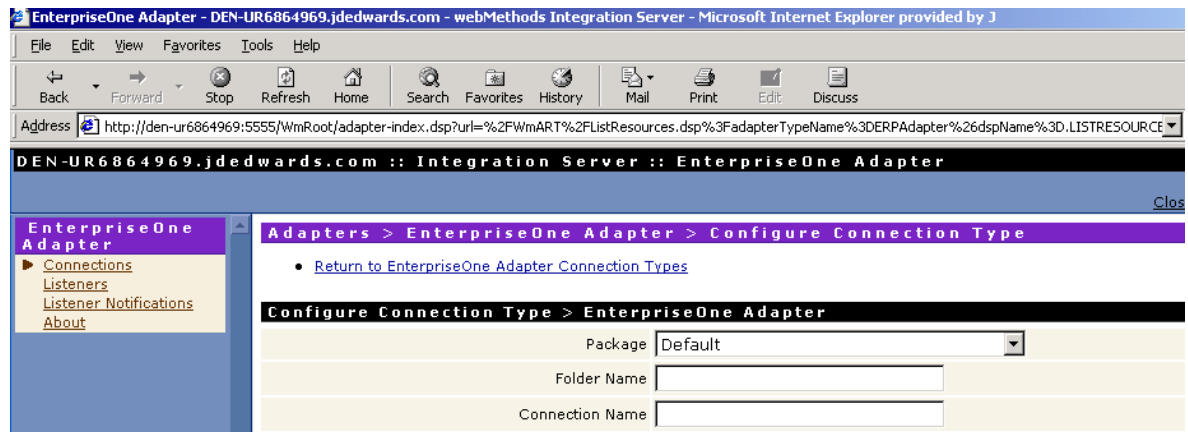
1. On Adapters > EnterpriseOne Adapter > Connections, click the following link at the top of the page:
 - [Configure New Connection](#)



2. On Adapters > EnterpriseOne Adapter > Connection Types, choose one of the following available connection types:

Configuring Connections

- **PeopleSoft EnterpriseOne Connection**
Connects to EnterpriseOne servers.
- **J.D. Edwards ERP 8 Connection**
Connects to PeopleSoft EnterpriseOne ERP 8.0 and OneWorld Xe servers.
- **PeopleSoft EnterpriseOne Reliable Event Connection**
Connects to EnterpriseOne servers (8.9 & 8.10) to receive outbound events such as Reliable Realtime, XAPI, Z-Table, and so on.
- **J.D. Edwards ERP 8 Event Connection**
Connects to PeopleSoft EnterpriseOne ERP 8.0 and OneWorld Xe servers to receive outbound events.
- **PeopleSoft EnterpriseOne Guaranteed Event Connection**
Connects to PeopleSoft EnterpriseOne (release 8.95 and later versions) to receive guaranteed outbound events.



3. On Adapters > EnterpriseOne Adapter > Configure Connection Type, complete the following fields:

Field	Definition
Package	Determines the storage location for connection information. It is not recommended to put the connection in the PSFT_E1_Adapter package. The adapter installer upgrades the default connections but is not guaranteed to upgrade any custom connections stored in the PSFT_E1_Adapter package.
Folder Name	With the Package defined above, defines the name of the folder inside the package where the connection is stored. Note that the name of the folder may not contain a space character.

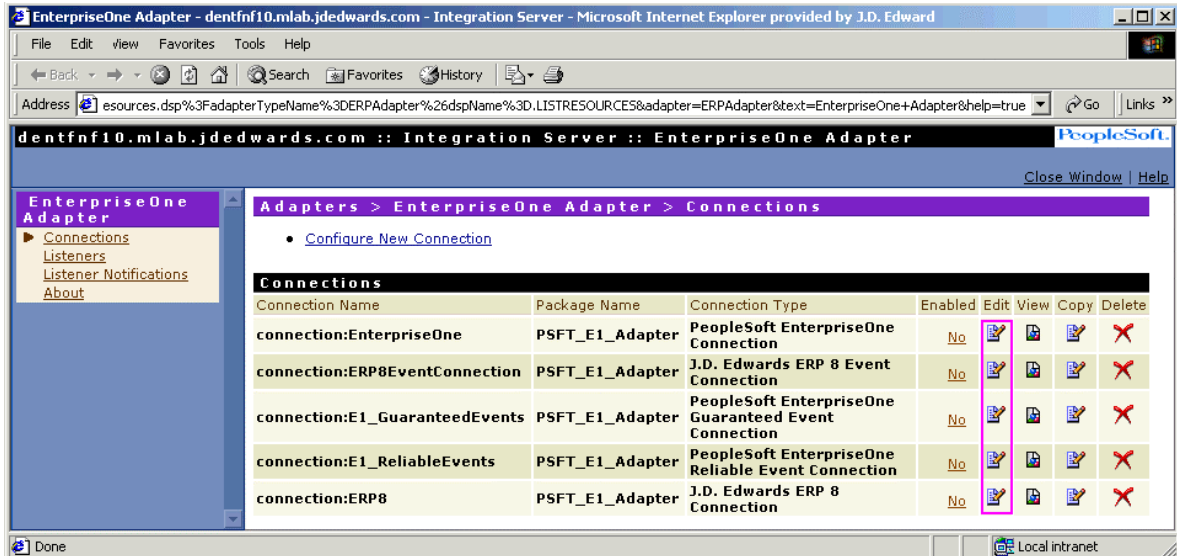
Connection Name	<p>Defines the actual name of the connection. Ensure the name is sufficiently descriptive to allow developers to reference the connection.</p> <p>For example:</p> <p>EnterpriseOne_PROD</p> <p>Note that the name of the connection may not contain a space character.</p>
-----------------	---

Note

To attach the connection to the EnterpriseOne system, you must configure additional values that are based on your connection type. Refer to the appropriate section in this guide:

- Configuring an EnterpriseOne Connection
- Configuring an EnterpriseOne Guaranteed Event Connection
- Configuring an EnterpriseOne Reliable Event Connection
- Configuring an EnterpriseOne ERP 8.0 or OneWorld Xe Connection
- Configuring an EnterpriseOne ERP 8.0 or OneWorld Xe Event Connection

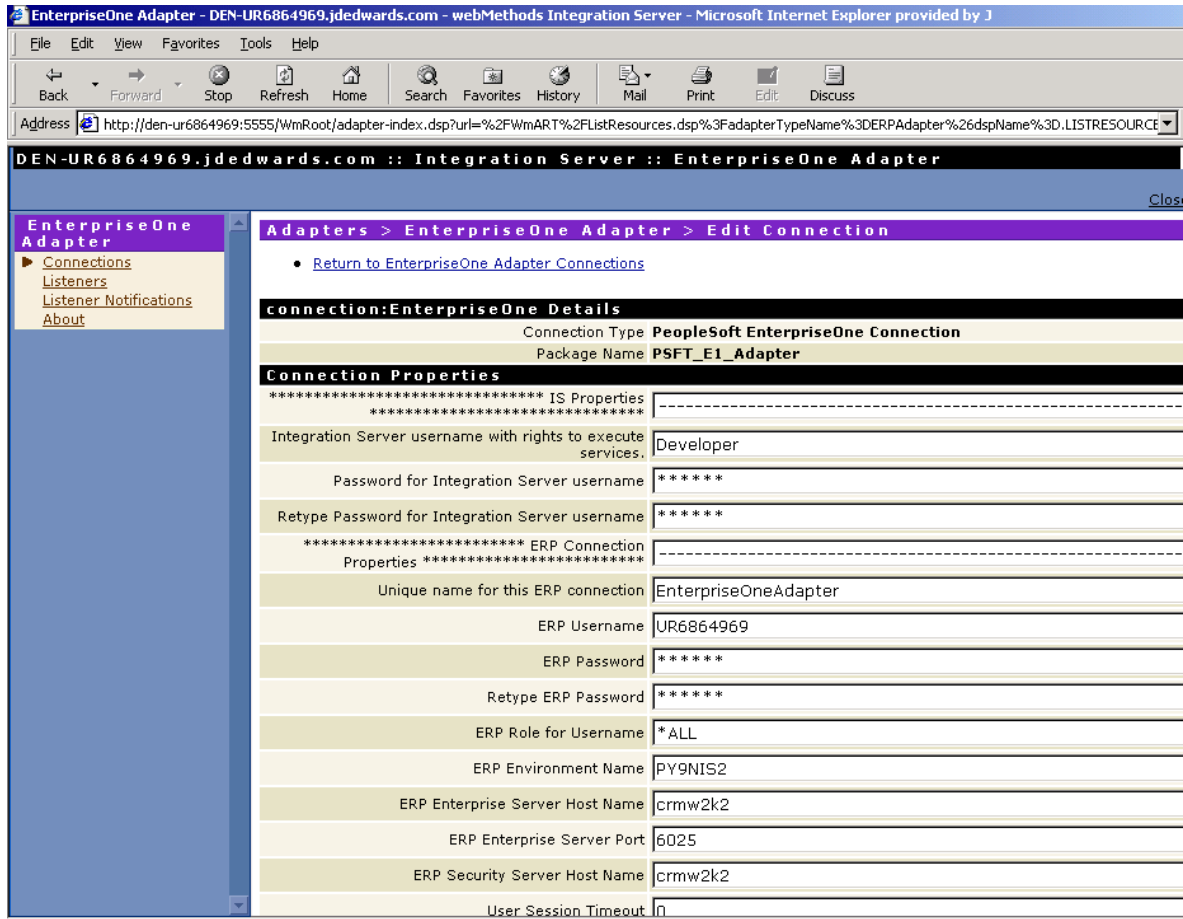
► **To update a default connection**



1. On Adapters > EnterpriseOne Adapter > Connections, click the Edit button to update one of the following default connections:

Configuring Connections

Connection Name	Package Name	Description
Connection:ERP8	PSFT_E1_Adapter	Connects to an EnterpriseOne ERP 8.0 or OneWorld Xe server.
Connection:E1_ReliableEvents	PSFT_E1_Adapter	Connects to an EnterpriseOne server to receive only reliable outbound events.
Connection:ERP8Event Connection	PSFT_E1_Adapter	Connects to an EnterpriseOne ERP 8.0 or OneWorld Xe server to receive outbound events only.
Connection:EnterpriseOne	PSFT_E1_Adapter	Connects to EnterpriseOne server.
Connection:E1_GuaranteedEvents	PSFT_E1_Adapter	Connects to an EnterpriseOne (EnterpriseOne 8.95 and later releases) server to receive guaranteed outbound events.



2. The system automatically sets the connection information in the default connections. The remainder of the configuration enables the connection to attach to the EnterpriseOne system.

Note

To attach the connection to the EnterpriseOne system, you must configure additional values that are based on your connection type. Refer to one of the following topics:

- *Configuring an EnterpriseOne Connection*
 - *Configuring an EnterpriseOne Guaranteed Events Connection*
 - *Configuring an EnterpriseOne Reliable Event Connection*
 - *Configuring an EnterpriseOne ERP 8.0 or OneWorld Xe Connection*
 - *Configuring an EnterpriseOne ERP 8.0 or OneWorld Xe Event Connection*
-

Configuring an EnterpriseOne Connection

An EnterpriseOne connection enables a user to execute services on an EnterpriseOne server.

Relative to previous iterations of XPI adapters, the need for end users to manage the `jdeinterop.ini` file is now hidden from the user. Instead, the system displays all of the configuration settings on the Edit Connection page along with recommended or default settings.

Note

If you are working with EnterpriseOne Adapter JDBj templates, ensure that the serialized objects for tables and views have been generated in the EnterpriseOne database

See the *EnterpriseOne PeopleTools Web Server Installation PeopleBook* for instructions on generating the serialized objects. If working with an EnterpriseOne version prior to 8.11, with a non-JAS environment, please contact PeopleSoft Global Support Services to obtain the .ini files required.

► To configure an EnterpriseOne connection

Note

The current version of EnterpriseOne Connector jar files are shipped with the EnterpriseOne Adapter. If connecting to a different release of EnterpriseOne, refer to *Appendix D* in this guide for information on how to update the jar files.

1. To determine which settings to use, refer to the following tables in this section:
 - EnterpriseOne Properties
 - Logging Properties
 - JDBj Bootstrap Properties
 - JDBj Spec Properties
 - JDBC Drivers
 - JDBj Connection Pool Properties
 - JDEInterop INI File Settings
 - Connection Management Properties

Each table contains a major section of the `jdeinterop.ini` and lists the configuration properties, typical settings, and a brief description of each property.

Important Note on Passwords

Multiple password entries exist on this page. On the Integration Server, if one password is changed, all other passwords are set to "*****". Whenever one password is changed, all passwords must be re-entered.

- After you enter the configuration values, click the Save Changes button at the bottom of the screen.

EnterpriseOne Properties		
Parameter	Typical Setting	Description
Unique name for ERP connection	Site-dependent variable	Each connection must be given a unique name to distinguish it from the other connections. This name is used to create a directory name for the required ini files to connect to EnterpriseOne and is used to distinguish this connection in log output.
ERP Username	Site-dependent variable	User name to sign in to EnterpriseOne.
ERP Password	Site-dependent variable	Password for the specified EnterpriseOne user name.
ERP Role	*ALL	Role for the EnterpriseOne user name.
ERP Environment Name	Site-dependent variable	EnterpriseOne environment that the adapter connects to and executes business functions on.
ERP Enterprise Server Host Name	Site-dependent variable	Host name or IP address for the enterprise server to which the adapter connects. Always verify that the adapter can access this host by running a ping from a command prompt (such as "ping <hostname>").
ERP Enterprise Server Port	6025	The TCP/IP port for the EnterpriseOne server. The default port is 6025.
ERP Security Server Host Name	Site-dependent variable	Host name or IP address of the EnterpriseOne security server that authenticates the given user name. This may or may not be the same value as supplied for the EnterpriseOne enterprise server host name.
ERP Security Server Port	Site-dependent variable	The TCP/IP port for the EnterpriseOne Security server.
User Session Timeout	0	Maximum idle time, in milliseconds, before the user session is timed out. If a user session is timed out, the adapter will need to be restarted before a BSFN can be called again. A value of 0 is infinite timeout.
Maximum time in milliseconds to keep specs cached	30000000	This is the maximum time that the Dynamic Connector keeps specs cached. After this time, the internal cache dumps the business function specifications and retrieves them again from EnterpriseOne. The retrieval of business function specifications is very expensive. It is recommended to keep this value high enough so that the specs are not retrieved too often, but not too high to prevent updated specifications from being retrieved in a timely manner.

EnterpriseOne Properties		
Parameter	Typical Setting	Description
Timeout value, in milliseconds, for a request to the enterprise server	90000	Timeout value, in milliseconds, for a request to the enterprise server.
Number of milliseconds before a manual transaction timeouts	600000	Timeout value, in milliseconds, for a manual transaction. The adapter is set to use manual transactions, which are specified in a Flow using the pub.art.transaction:startTransaction and either pub.art.transaction:commitTransaction or pub.art.transaction:rollbackTransaction. This value must be large enough to ensure that any Flow executing on the Integration Server has enough time to complete given a realistic load on the enterprise server.
Size of JDENET socket connection pool	30	Maximum number of connections to EnterpriseOne. This value must be larger than the Maximum Pool size specified for the connection. The recommended value for this setting is 30.
Enable OCM for BSFN execution location	True	When set to True, business functions execute according to the OCM settings.

Logging Properties		
Parameter	Typical Setting	Description
Location to place log files.	./logs/EnterpriseOne Adapter	<p>Directory where log files will be created. A path relative to the Integration Server directory (such as C:\PeopleSoft\xpi\IntegrationServer) needs to be preceded with “./”</p> <p>If the specified directory does not exist it will be created when the connection is enabled.</p> <p>If multiple connections are configured for one Integration Server, you must ensure that each connection has a unique directory specified.</p>
JAS log file name	jas.log	Name of jas log file. It is not recommended to change this setting.
JAS logging level	ERROR	Level of logging for the jas file. Set to ERROR to only log error messages. Set to DEBUG to get more descriptive log messages.
Append to JAS log file	FALSE	Log files can be overwritten or appended to when the connection starts. Setting this value to FALSE overwrites existing jas log files every time the connection starts. Setting this value to TRUE leaves existing files and appends new messages to them.

Logging Properties		
Parameter	Typical Setting	Description
JDE log file name	jderoot.log	Name of the JDE log file. It is not recommended to change this setting.
JDE logging level	ERROR	Level of logging for the jderoot file. Set to ERROR to only log error messages. Set to DEBUG to get more descriptive log messages.
Append to JDE log file	FALSE	Log files can be overwritten or appended to when the connection starts. Setting this value to FALSE overwrites existing jderoot log files every time the connection starts. Setting this value to TRUE leaves existing files and appends new messages to them.
JDEDebug log file name	jasdebug.log	Name of the JDEDebug log file. It is not recommended to change this setting.
JDEDebug logging level	ERROR	Level of logging for the jasdebug file. Set to ERROR to only log error messages. Set to DEBUG to obtain more descriptive log messages.
Append to JDEDebug log level	FALSE	Log files can be overwritten or appended to when the connection starts. Setting this value to FALSE overwrites existing jasdebug log files every time the connection starts. Setting this value to TRUE leaves existing files and appends new messages to them.

JDBj Bootstrap Properties		
<p>This section defines the data source where OCM and some other system tables reside. The connection uses this at bootstrap time and later to look up OCM entries on demand. If it is not valid, then no EnterpriseOne database access is possible.</p> <p>Note: The easiest way to configure this section is to locate the jdbj.ini file found on the JAS server and copy the relevant settings. If you cannot find this file, you can match the corresponding information specified in the [DB SYSTEM SETTINGS] section in an EnterpriseOne client's JDE.INI file.</p>		
Parameter	Typical Setting	Description
BootStrap Data Source Username	Site-dependent variable	User name for logging into the EnterpriseOne Security Server.
BootStrap Data Source Password	Site-dependent variable	Password for the specified user name.
JDBj BootStrap Data Source Name	System – B9	The name of the data source being connected to. This is not critical for bootstrap connections, but shows up in error messages and in the log file.

JDBj Bootstrap Properties		
BootStrap Data Source Database type	I = AS/400 O = Oracle S = SQL Server W = UDB	Type of database being connected to.
BootStrap Data Source Database name	Site-dependent variable	The name of the database. Only required for Oracle and UDB database types.
BootStrap Data Source Server Name	Site-dependent variable	Host name or IP Address of the server where the database is running. Only required for iSeries and SQL Server database types.
BootStrap Data Source Database Server Port	Site-dependent variable	TCP/IP port the database server is listening on. Only required for SQL Server database types.
Boot Strap Data Source Physical Database	Site-dependent variable	The physical database (used as the library qualifier for the iSeries). Only required for iSeries and SQL Server database types.
Boot Strap Data Source Database Owner	Site-dependent variable	The database owner. Only required for Oracle, SQL Server and UDB database types.

JDBj Spec Properties		
<p>This section defines the data source where the serialized spec tables reside. JDBj uses these parameters at bootstrap time and after to look up serialized spec objects on demand. If this section is not specified, JDBj uses OCM to find the serialized spec table. If it is not valid, or if OCM is not enabled, then no EnterpriseOne database access is possible.</p> <p>Note: The easiest way to configure this section is to locate the jdbj.ini file found on the JAS server and copy the relevant settings.</p>		
Parameter	Typical Setting	Description
Spec Data Source Username	Site-dependent variable	User name for logging in to the EnterpriseOne Security Server.
Spec Data Source Password	Site-dependent variable	Password for the specified user name.
JDBj Spec Data Source Name	Site-dependent variable	The name of the data source being connected to. This is not critical for bootstrap connections, but shows up in error messages and in the log file.

JDBj Spec Properties		
Spec Data Source Database type	I = AS/400 O = Oracle S = SQL Server W = UDB	The type of database being connected to.
Spec Data Source Database Name	Site-dependent variable	The name of the database. Only required for Oracle and UDB database types.
Spec Data Source Database Server Port	Site-dependent variable	The host name or IP address of the server where the database is running. Only required for iSeries and SQL Server database types.
Spec Data Source Physical Database	Site-dependent variable	The physical database (used as the library qualifier for the iSeries). Only required for iSeries and SQL Server database types.
Spec Data Source Database Owner	Site-dependent variable	The database owner. Only required for Oracle, SQL Server and UDB database types.

JDBC Drivers		
<p>This section defines the JDBC drivers to be used for different database systems. Refer to the <i>Working with JDBC Drivers</i> section in this guide for instructions on how to install the different JDBC drivers. For any database type not being used, make sure to set the value as blank.</p>		
Parameter	Typical Setting	Description
Full path to Oracle's 'tnsnames' file	Site-dependent variable	Specifies the full path, including the file name, of Oracle's tnsnames.ora file. This entry can be left blank if Oracle is not being used as a database.
JDBj JDBC Driver Class for Oracle	oracle.jdbc.driver.OracleDriver	The driver used for Oracle databases. Can be set to blank if Oracle is not being used.
JDBj JDBC Driver Class for AS400	com.ibm.as400.access.AS400JDBCDriver	The driver used for DB2 UDB for the iSeries. Can be set to blank if UDB for iSeries is not being used.
JDBj JDBC Driver Class for SQL Server	com.microsoft.jdbc.sqlserver.SQLServerDriver	The driver used for Microsoft SQL Server databases. Can be set to blank if SQL Server is not being used.
JDBj JDBC Driver Class for UDB	COM.ibm.db2.jdbc.app.DB2Driver	The driver used for DB2 UDB databases (non-iSeries). Can be set to blank if UDB is not being used.

JDBj Connection Pool Properties		
Parameter	Typical Setting	Description
Allow JDBC connection pooling	FALSE	Currently, JDBC pooling is not supported. This setting should always be set to FALSE.
Minimum number of physical connections in the pool	1	The minimum number of connections to a data source. When closing old connections, this amount of connections will remain in the pool regardless of use.
Maximum number of physical connections in the pool	5	The maximum number of connections to a data source. Connection requests beyond this number are placed in a queue for the next available connection.
Initial number of connections on startup	1	The initial number of connections made to the data source when the pool is first created.
Pool increment size	1	The number of connections that the pool creates when a request for a connection cannot be satisfied with the current number of connections.
Timeout value, in milliseconds, for a connection to be made	1800000	The time (in milliseconds) before an inactive connection is removed from the pool.
Interval time for connection pool cleaning	600000	Specifies how often (in milliseconds) the cleaner is set to clean the pool.
Consistency check for spec	Full	

JDEInterop INI File Settings		
Parameter	Typical Setting	Description
Dynamic connector jar file directory	<blank>	<p>This optional setting allows the user to override the location where the connection will pick up the dynamic connector jar files. This can allow a single adapter instance to have different connections pointing to different EnterpriseOne releases.</p> <p>It is recommended that only advanced users take advantage of this field. Most users should continue to use the default location of the dynamic connector files.</p>

JDEInterop INI File Settings		
Parameter	Typical Setting	Description
jdeinterop.ini file path	<blank>	<p>This optional setting allows a user to configure a connection using an existing jdeinterop.ini file instead of entering all the values on the screen. The existing jdeinterop.ini file must contain all the values not entered on the screen. If this field is left blank, the system uses the fields on the screen to configure the connection.</p> <p>The following properties must be entered even if a jdeinterop.ini file is specified:</p> <ul style="list-style-type: none"> • Unique connection name. • EnterpriseOne username, password, role, and environment. • All logging properties. <p>It is recommended that only advanced users take advantage of this field. All other users should configure the connection using the GUI.</p>

Connection Management Properties		
Parameter	Typical Setting	Description
Enable Connection Pooling	True	Enables the connection to use pooling. It is highly recommended to leave this value as True.
Minimum Pool	5	<p>The minimum number of connections in the pool. This is also the number of connections created when the pool is first created.</p> <p>At a minimum, this number should be 1 greater than the number of listeners created for this connection.</p>
Maximum Pool Size	10	The maximum number of connections that can exist in the pool.
Pool Increment Size	5	The number of connections that will be created if the number of connections in the pool are not great enough to handle incoming requests.

Connection Management Properties		
Parameter	Typical Setting	Description
Block Timeout (msec)	20000	The amount of time, in milliseconds, that the Integration Server waits while creating a connection before it times out and returns an error.
Expire Timeout (msec)	20000	The amount of time, in milliseconds, before inactive connections can remain in the pool before they are removed.
Startup Retry Count	1	If connection startup fails, number of times system will try to start the connection.
Startup Backoff Timeout (sec)	10	The time interval between startup attempts.

Configuring an EnterpriseOne Guaranteed Event Connection

An EnterpriseOne Guaranteed Event connection enables a user to receive outbound events from the Guaranteed Event System deployed on WebSphere Application Server. Examples of outbound events are Realtime, XAPI, Z-Table, and so on.

Note

If you are using EnterpriseOne Tools 8.94, you must install the WebSphere Application Client before configuring the EnterpriseOne 8.11 Event Connection for WebSphere. See *Appendix E: Installing the WebSphere Application Client*.

If you are using EnterpriseOne Tools 8.95 or greater, you no longer need to install the WebSphere Application Client.

This table shows the Java Virtual Machines (JVMs) that are supported by a WebSphere connection:

Connection	Description
W2k	Version 1.3.1 (46.0) Java Vendor IBM Corporation
Solaris	Version 1.3.1_05 (47.0) Java Vendor Sun Microsystems Inc. (Must use WAS Client JVM).
HP-UX	Will not work.
AIX	1.4.1 (48.0) Java Vendor IBM Corporation
Linux	1.4.2 (48.0) Java Vendor Sun Microsystems, Inc.

Use these steps to change the JVM for the Integration Server only if you are using EnterpriseOne Tools 8.94 with EnterpriseOne Applications 8.11.

► To change the JVM for the Integration Server

1. Stop the Integration Server
 2. At <XPI InstallDir>/IntegrationServer\bin, open **server.bat**
 3. Change **JAVA_DIR** to point to the new jvm.
For example, SET JAVA_DIR=C:\PeopleSoft\Xpi\IntegrationServer\jvm
 4. Restart the Integration Server.
-

► To configure an EnterpriseOne guaranteed event connection

1. To determine which settings to use, refer to the following tables in this section:
 - EnterpriseOne Properties
 - Logging Properties

- Transaction Server Settings
- JDEInterop INI File Settings
- Connection Management Properties

Each table contains a major section of the jdeinterop.ini and lists the configuration properties, typical settings, and a brief description of each property.

Note

The 8.94 version of the Connector jar files is shipped with the XPI 8.94 Adapter.

The 8.95 version is shipped with the adapter that is included in the 8.95 release.

If connecting to a different release of EnterpriseOne, see *Appendix D* in this guide for information on how to update the jar files.

You must enter your own user name. With the new event system subscriptions, events are user-name specific. You can no longer share user names with other people. If you do, there is no guarantee who will receive the events at runtime.

2. After you enter the configuration values, click the Save Changes button at the bottom of the screen.

Note

You might receive an error on startup that indicates that you do not have a subscription for a specific event. The adapter can no longer dynamically generate subscriptions with the event system. You must enter all subscriptions through an EnterpriseOne application.

3. When using the EnterpriseOne application to create subscriptions, you need to complete the following properties:
 - Event Name
 - User Name
 - Environment

Remember, subscriptions are user-name specific. You must enter a subscription for every event for which you have a Notification, or else the system will not start the Listener.

EnterpriseOne Properties		
Parameter	Typical Setting	Description
Unique name for ERP connection	Site-dependent variable	Each connection must be given a unique name to distinguish it from the other connections. This name is used to create a directory name for the required ini files to connect to EnterpriseOne and is used to distinguish this connection in log output.

EnterpriseOne Properties		
Parameter	Typical Setting	Description
ERP Username	Site-dependent variable	The user name to sign in to EnterpriseOne.
ERP Password	Site-dependent variable	The password for the specified EnterpriseOne user name.
ERP Role	*ALL	The role for the EnterpriseOne user name.
ERP Environment Name	Site-dependent variable	The EnterpriseOne environment to which the adapter connects and executes business functions.
ERP Enterprise Server Host Name	Site-dependent variable	Host name or IP address of the enterprise server that the adapter connects to. Always verify that the adapter can access this host by running a ping from a command prompt (such as "ping <hostname>").
ERP Enterprise Server Port	6025	The TCP/IP port for the EnterpriseOne server. The default port is 6009.
ERP Security Server Host Name	Site-dependent variable	The host name or IP address of the EnterpriseOne security server that authenticates the given user name. This may or may not be the same value as supplied for the EnterpriseOne enterprise server host name.
ERP Security Server Port	Site-dependent variable	The TCP/IP port for the EnterpriseOne security server.
User Session Timeout	0	The maximum idle time, in milliseconds, before the user session is timed out. If a user session is timed out, you must restart the adapter before a BSFN can be called again. A value of 0 is infinite timeout.
Timeout value, in milliseconds, for a request to the enterprise server	90000	Timeout value, in milliseconds, for a request to the enterprise server.
Number of milliseconds before a manual transaction timeouts	600000	Timeout value, in milliseconds, for a manual transaction. The adapter is set to use manual transactions, which are specified in a Flow using the pub.art.transaction:startTransaction and either pub.art.transaction:commitTransaction or pub.art.transaction:rollbackTransaction. This value must be large enough to ensure that any Flow that executes on the Integration Server has enough time to complete given a realistic load on the enterprise server.

EnterpriseOne Properties		
Parameter	Typical Setting	Description
Size of JDENET socket connection pool	30	The maximum number of connections to EnterpriseOne. This value must be larger than the Maximum Pool size specified for the connection. The recommended value for this setting is 30.

Logging Properties		
Parameter	Typical Setting	Description
Location to place log files.	./logs/ E1_811_Events_WA S	<p>The directory where log files will be created. A path relative to the Integration Server directory (such as C:\PeopleSoft\xpi\IntegrationServer) needs to be preceded with "./".</p> <p>If the specified directory does not exist, it will be created when the connection is enabled.</p> <p>If multiple connections are configured for one Integration Server, you must ensure that each connection has a unique directory specified.</p>
JAS log file name	jas.log	Name of jas log file. It is not recommended to change this setting.
JAS logging level	ERROR	The level of logging for the jas file. Set to ERROR to only log error messages. Set to DEBUG to get more descriptive log messages.
Append to JAS log file	FALSE	Log files can be overwritten or appended to when the connection starts. Setting this value to FALSE overwrites existing jas log files every time the connection starts. Setting this value to TRUE leaves existing files and appends new messages to them.
JDE log file name	jderoot.log	The name of the JDE log file. It is not recommended to change this setting.
JDE logging level	ERROR	The level of logging for the jderoot file; set to ERROR to log error messages only or set to DEBUG to get more descriptive log messages.
Append to JDE log file	FALSE	Log files can be overwritten or appended to when the connection starts. Setting this value to FALSE overwrites existing jderoot log files every time the connection starts. Setting this value to TRUE leaves existing files and appends new messages to them.
JDEDebug log file name	jasdebug.log	The name of the JDEDebug log file. It is recommended to not change this setting.

Logging Properties		
Parameter	Typical Setting	Description
JDEDebug logging level	ERROR	Level of logging for the jasdebug file; set to ERROR to only log error messages, or set to DEBUG to obtain more descriptive log messages.
Append to JDEDebug log level	FALSE	Log files can be overwritten or appended to when the connection starts. Setting this value to FALSE overwrites existing jasdebug log files every time the connection starts. Setting this value to TRUE leaves existing files and appends new messages to them.

Transaction Server Settings		
Parameter	Typical Setting	Description
WebSphere client installation directory	C:/Program Files/WebSphere/AppClient	The location where the WebSphere App Client has been installed. This is required if you are using EnterpriseOne Tools 8.94. If you are using EnterpriseOne Tools 8.95 or later versions, WebSphere client installation is not required. <i>See Appendix E: Installing the WebSphere Application Client</i> in this guide for help.
Transaction server hostname or IP address	Site-dependent variable	The hostname or IP address of the machine where the Transaction server is running. This parameter is required to establish a connection. If you are using EnterpriseOne Tools 8.95 or later versions, this is a required setting.
Transaction server port	Site-dependent variable	The port number for the Transaction server connection. If you are using EnterpriseOne Tools 8.94, this port is the RMI port. The setting value can be obtained from the System Out log for WebSphere Application server. If you are using EnterpriseOne Tools 8.95 or a later version, this port is the HTTP Listener port. The setting value can be obtained from the System Out log for WebSphere Application server and from Portlist.ini file for Oracle Application server.
Optional – directory where the MQ jars are installed.	C:\Program Files\IBM\WebSphere MQ\Java\lib	The directory where the jars for the MQ Series install reside.

JDEInterop INI File Setting		
Parameter	Typical Setting	Description
Directory of dynamic connector jar files	<blank>	<p>This optional setting enables the user to override the location where the connection will pick up the dynamic connector jar files. This can allow a single adapter instance to have different connections pointing to different EnterpriseOne releases.</p> <p>It is recommended that only advanced users take advantage of this field. Most users should continue to use the default location of the dynamic connector files.</p>
jdeinterop.ini file path	<blank>	<p>This optional setting enables a user to configure a connection using an existing jdeinterop.ini file instead of entering all the values on the screen. The existing jdeinterop.ini file must contain all the required values. If this field is left blank, the system uses the fields on the screen to configure the connection.</p> <p>You must still enter the following properties even if a jdeinterop.ini file is specified:</p> <ul style="list-style-type: none"> • Integration Server username and password. • Unique connection name. • EnterpriseOne username, password, and environment. <p>It is recommended that only advanced users take advantage of this field. All others should configure the connection using the GUI.</p>

Connection Management Properties		
Parameter	Typical Setting	Description
Enable Connection Pooling	True	Enables the connection to use pooling. It is highly recommended to leave this value as True.
Minimum Pool	3	<p>The minimum number of connections in the pool. This is also the number of connections created when the pool is first created.</p> <p>At a minimum, this number should be 1 greater than the number of Listeners created for this connection.</p>
Maximum Pool Size	10	The maximum number of connections which can exist in the pool.
Pool Increment Size	3	The number of connections that will be created if the number of connections in the pool are not great enough to handle incoming requests.
Block Timeout (msec)	20000	The amount of time, in milliseconds, that the Integration Server waits while creating a connection before it times out and returns an error.

Connection Management Properties		
Parameter	Typical Setting	Description
Expire Timeout (msec)	20000	The amount of time, in milliseconds, before inactive connections can remain in the pool before they are removed.
Startup Retry Count	1	If connection startup fails, number of times system will try to restart the connection.
Startup Backoff Timeout (sec)	10	The time interval between startup attempts.

Configuring an EnterpriseOne Reliable Event Connection

An EnterpriseOne Reliable Events connection enables a user to receive outbound events from an EnterpriseOne server. Examples of outbound events are Reliable Realtime, XAPI, Z-Table, and so on.

Relative to previous iterations of XPI adapters, the need for end users to manage the jdeinterop.ini file is now hidden from the user. Instead, the system displays all of the configuration settings on the Edit Connection page along with recommended or default settings.

► To configure an EnterpriseOne Reliable Event connection

1. To determine which settings to use, refer to the following tables in this section:

- Integration Server Properties
- EnterpriseOne Properties
- Logging Properties
- Outbound Event Properties
- JDBj Bootstrap Properties
- JDBj Spec Properties
- JDBC Drivers
- JDBj Connection Pool Properties
- JDEInterop INI File Settings
- Connection Management Properties

Each table contains a major section of the jdeinterop.ini and lists the configuration properties, typical settings, and a brief description of each property.

Important Note on Passwords

Multiple password entries exist on this page. A known issue of the Integration Server is that when one password is changed, all other passwords are set to "*****". Whenever one password is changed, all passwords must be re-entered.

Note

For the EnterpriseOne Event connection, the JDBj property sections are required to get outbound events from the EnterpriseOne 8.10 running SP 8.93 I1 or later. If they are not required by your server, you do not need to configure them.

2. After you enter the configuration values, click the Save Changes button at the bottom of the screen.

Integration Server Properties		
Parameter	Typical Setting	Description
Integration Server username	Site-dependent variable	<p>When processing reliable Realtime and Z-Table events from EnterpriseOne, the adapter leverages internal services of the Integration Server for higher scalability and redundancy. To access these internal services, an Integration Server user name must be given that has execute rights to the following services:</p> <ul style="list-style-type: none"> • pub.storage:add • pub.storage:put • pub.storage:registerStore • pub.storage:unlock <p>The default value for this property is Developer. It is highly recommended that you change this value to a new user who has minimal rights to execute the above services.</p>
Password for Integration Server username	Site-dependent variable	The password for the specified Integration Server user name.

EnterpriseOne Properties		
Parameter	Typical Setting	Description
Unique name for ERP connection	Site-dependent variable	Each connection must be given a unique name to distinguish it from the other connections. This name is used to create a directory name for the required ini files to connect to EnterpriseOne and is used to distinguish this connection in log output.
ERP Username	Site-dependent variable	The user name to sign in to EnterpriseOne.
ERP Password	Site-dependent variable	The password for the specified EnterpriseOne user name.
ERP Role	*ALL	The role for the EnterpriseOne user name.
ERP Environment Name	Site-dependent variable	The EnterpriseOne environment to which the adapter connects and executes business functions.
ERP Enterprise Server Host Name	Site-dependent variable	The host name or IP address for the enterprise server to which the adapter connects. Always verify that the adapter can access this host by running a ping from a command prompt (such as "ping <hostname>").
ERP Enterprise Server Port	6025	The TCP/IP port for the EnterpriseOne server. The default port is 6025.

EnterpriseOne Properties		
Parameter	Typical Setting	Description
ERP Security Server Host Name	Site-dependent variable	The host name or IP address of the EnterpriseOne security server that authenticates the given user name. This may or may not be the same value as supplied for the EnterpriseOne enterprise server host name.
ERP Security Server Port	Site-dependent variable	The TCP/IP port for the EnterpriseOne Security server.
User Session Timeout	0	The maximum idle time, in milliseconds, before the user session is timed out. If a user session is timed out, the adapter must be restarted before a BSFN can be called again. A value of 0 is infinite timeout.
Timeout value, in milliseconds, for a request to the enterprise server	90000	The timeout value, in milliseconds, for a request to the enterprise server.
Number of milliseconds before a manual transaction timeouts	600000	The timeout value, in milliseconds, for a manual transaction. The adapter is set to use manual transactions, which are specified in a Flow using the pub.art.transaction:startTransaction and either pub.art.transaction:commitTransaction or pub.art.transaction:rollbackTransaction. This value must be large enough to ensure that any Flow executing on the Integration Server has enough time to complete given a realistic load on the enterprise server.
Size of JDENET socket connection pool	30	The maximum number of connections to EnterpriseOne. This value must be larger than the Maximum Pool size specified for the connection. The recommended value for this setting is 30.

Logging Properties		
Parameter	Typical Setting	Description
Location to place log files.	./logs/EOneEventsConnection	The directory where log files will be created. A path relative to the Integration Server directory (such as C:\PeopleSoft\xpi\IntegrationServer) needs to be preceded with "./". If the specified directory does not exist, it will be created when the connection is enabled. If multiple connections are configured for one Integration Server, you must ensure that each connection has a unique directory specified.
JAS log file name	jas.log	The name of the jas log file. It is not recommended to change this setting.

Logging Properties		
Parameter	Typical Setting	Description
JAS logging level	ERROR	The level of logging for the jas file; set to ERROR to only log error messages, set to DEBUG to get more descriptive log messages.
Append to JAS log file	FALSE	Log files can be overwritten or appended to when the connection starts. Setting this value to FALSE overwrites existing jas log files every time the connection starts. Setting this value to TRUE leaves existing files and appends new messages to them.
JDE log file name	jderoot.log	The name of the JDE log file. It is recommended to not change this setting.
JDE logging level	ERROR	Level of logging for the jderoot file; set to ERROR to log error messages only, set to DEBUG to get more descriptive log messages.
Append to JDE log file	FALSE	Log files can be overwritten or appended to when the connection starts. Setting this value to FALSE overwrites existing jderoot log files every time the connection starts. Setting this value to TRUE leaves existing files and appends new messages to them.
JDEDebug log file name	jasdebug.log	The name of the JDEDebug log file. It is recommended to not change this setting.
JDEDebug logging level	ERROR	The level of logging for the jasdebug file; set to ERROR to log error messages only, set to DEBUG to obtain more descriptive log messages.
Append to JDEDebug log level	FALSE	Log files can be overwritten or appended to when the connection starts. Setting this value to FALSE overwrites existing jasdebug log files every time the connection starts. Setting this value to TRUE leaves existing files and appends new messages to them.

Outbound Event Properties		
Parameter	Typical Setting	Description
Port which will receive outbound events from ERP	6010	The TCP/IP Port where the connection listens for events sent by EnterpriseOne. This port should not be used by any other resource on the Integration Server machine. If multiple connections are configured, each connection must have a unique port.
Maximum number of connections	10	The maximum number of connections allowed by the connection. The maximum value for this setting is 64.
Maximum number of events	10	The maximum number of events the connection can hold before they are processed. The maximum value for this setting is 100.

Outbound Event Properties		
Parameter	Typical Setting	Description
Milliseconds before event Listener unsubscribes from transient events	0	The maximum time, in milliseconds, before the connection unsubscribes from transient events. A value of 0 is infinite.

JDBj Bootstrap Properties		
<p>This section defines the data source where OCM and some other system tables reside. The connection uses this at bootstrap time and later to look up OCM entries on demand. If it is not valid, then no EnterpriseOne database access is possible.</p> <p>Note: The easiest way to configure this section is to locate the jdbj.ini file on the JAS server and copy the relevant settings. If you cannot find this file, you can match the corresponding information specified in the [DB SYSTEM SETTINGS] section in an EnterpriseOne client's jde.ini file.</p>		
Parameter	Typical Setting	Description
BootStrap Data Source Username	Site-dependent variable	User name for logging into the EnterpriseOne Security Server.
BootStrap Data Source Password	Site-dependent variable	Password for the specified user name.
JDBj BootStrap Data Source Name	System – B9	The name of the data source being connected to. This is not critical for bootstrap connections, but shows up in error messages and in the log file.
BootStrap Data Source Database type	I = AS/400 O = Oracle S = SQL Server W = UDB	Type of database being connected to.
BootStrap Data Source Database name	Site-dependent variable	The name of the database. Only required for Oracle and UDB database types.
BootStrap Data Source Server Name	Site-dependent variable	Host name or IP Address of the server where the database is running. Only required for iSeries and SQL Server database types.
BootStrap Data Source Database Server Port	Site-dependent variable	TCP/IP port the database server is listening on. Only required for SQL Server database types.
Boot Strap Data Source Physical Database	Site-dependent variable	The physical database (used as the library qualifier for the iSeries). Only required for iSeries and SQL Server database types.

JDBj Bootstrap Properties		
Boot Strap Data Source Database Owner	Site-dependent variable	The database owner. Only required for Oracle, SQL Server and UDB database types.

JDBj Spec Properties		
<p>This section defines the data source where the serialized spec tables reside. JDBj uses these parameters at bootstrap time and after to look up serialized spec objects on demand. If this section is not specified, JDBj uses OCM to find the serialized spec table. If it is not valid, or if OCM is not enabled, then no EnterpriseOne database access is possible.</p> <p>Note: The easiest way to configure this section is to locate the jdbj.ini file found on the JAS server and copy the relevant settings.</p>		
Parameter	Typical Setting	Description
Spec Data Source Username	Site-dependent variable	User name for logging in to the EnterpriseOne Security Server.
Spec Data Source Password	Site-dependent variable	Password for the specified user name.
JDBj Spec Data Source Name	Site-dependent variable	The name of the data source being connected to. This is not critical for bootstrap connections, but shows up in error messages and in the log file.
Spec Data Source Database type	I = AS/400 O = Oracle S = SQL Server W = UDB	The type of database being connected to.
Spec Data Source Database Name	Site-dependent variable	The name of the database. Only required for Oracle and UDB database types.
Spec Data Source Database Server Port	Site-dependent variable	The host name or IP address of the server where the database is running. Only required for iSeries and SQL Server database types.
Spec Data Source Physical Database	Site-dependent variable	The physical database (used as the library qualifier for the iSeries). Only required for iSeries and SQL Server database types.
Spec Data Source Database Owner	Site-dependent variable	The database owner. Only required for Oracle, SQL Server and UDB database types.

JDBC Drivers		
This section defines the JDBC drivers to be used for different database systems. Refer to the <i>Working with JDBC Drivers</i> section in this guide for instructions on how to install the different JDBC drivers. For any database type not being used, make sure to set the value as blank.		
Parameter	Typical Setting	Description
Full path to Oracle's 'tnsnames' file	Site-dependent variable	Specifies the full path, including the file name, of Oracle's tnsnames.ora file. This entry can be left blank if Oracle is not being used as a database.
JDBj JDBC Driver Class for Oracle	oracle.jdbc.driver.OracleDriver	The driver used for Oracle databases. Can be set to blank if Oracle is not being used.
JDBj JDBC Driver Class for AS400	com.ibm.as400.access.AS400JDBCDriver	The driver used for DB2 UDB for the iSeries. Can be set to blank if UDB for iSeries is not being used.
JDBj JDBC Driver Class for SQL Server	com.microsoft.jdbc.sqlserver.SQLServerDriver	The driver used for Microsoft SQL Server databases. Can be set to blank if SQL Server is not being used.
JDBj JDBC Driver Class for UDB	COM.ibm.db2.jdbc.app.DB2Driver	The driver used for DB2 UDB databases (non-iSeries). Can be set to blank if UDB is not being used.

JDBj Connection Pool Properties		
Parameter	Typical Setting	Description
Allow JDBC connection pooling	FALSE	Currently, JDBC pooling is not supported. This setting should always be set to FALSE.
Minimum number of physical connections in the pool	1	The minimum number of connections to a data source. When closing old connections, this amount of connections will remain in the pool regardless of use.
Maximum number of physical connections in the pool	5	The maximum number of connections to a data source. Connection requests beyond this number are placed in a queue for the next available connection.
Initial number of connections on startup	1	The initial number of connections made to the data source when the pool is first created.
Pool increment size	1	The number of connections that the pool creates when a request for a connection cannot be satisfied with the current number of connections.
Timeout value, in milliseconds, for a connection to be made	1800000	The time (in milliseconds) before an inactive connection is removed from the pool.
Interval time for connection pool cleaning	600000	Specifies how often (in milliseconds) the cleaner is set to clean the pool.
Consistency check for spec	Full	

JDEInterop INI File Settings		
Parameter	Typical Setting	Description
Dynamic connector jar file directory	<blank>	<p>This optional setting enables the user to override the location where the connection will pick up the dynamic connector jar files. This can allow a single adapter instance to have different connections pointing to different EnterpriseOne releases.</p> <p>It is recommended that only advanced users take advantage of this field. Most users should continue to use the default location of the dynamic connector files.</p>
jdeinterop.ini file path	<blank>	<p>This optional setting enables a user to configure a connection using an existing jdeinterop.ini file instead of entering all the values on the screen. The existing jdeinterop.ini file must contain all the values not entered on the screen. If this field is left blank, the system uses the fields on the screen to configure the connection.</p> <p>The following properties must still be entered even if a jdeinterop.ini file is specified:</p> <ul style="list-style-type: none"> • Unique connection name. • EnterpriseOne username, password, role, and environment. • All logging properties. <p>It is recommended that only advanced users take advantage of this field. All other users should configure the connection using the GUI.</p>

Connection Management Properties		
Parameter	Typical Setting	Description
Enable Connection Pooling	True	Enables the connection to use pooling. It is highly recommended to leave this value as True.
Minimum Pool	3	<p>The minimum number of connections in the pool. This is also the number of connections created when the pool is first created.</p> <p>At a minimum, this number should be 1 greater than the number of Listeners created for this connection.</p>
Maximum Pool Size	10	The maximum number of connections that can exist in the pool.
Pool Increment Size	3	The number of connections that will be created if the number of connections in the pool are not great enough to handle incoming requests.

Connection Management Properties		
Parameter	Typical Setting	Description
Block Timeout (msec)	20000	The amount of time, in milliseconds, that the Integration Server waits while creating a connection before it times out and returns an error.
Expire Timeout (msec)	20000	The amount of time, in milliseconds, before inactive connections can remain in the pool before they are removed.
Startup Retry Count	1	If connection startup fails, number of times system will try to restart the connection.
Startup Backoff Timeout (sec)	10	The time interval between startup attempts.

Configuring an EnterpriseOne ERP 8.0 or OneWorld Xe Connection

An EnterpriseOne ERP 8.0 connection enables a user to execute services on an ERP 8.0 or OneWorld Xe server.

Relative to previous iterations of XPI adapters, the need for end users to manage the jdeinterop.ini file is now hidden from the user. Instead, all configuration settings are displayed on the Edit Connection page along with recommended or default settings.

► To configure an EnterpriseOne ERP 8.0 or OneWorld Xe connection

1. To determine which settings to use, refer to the following tables in this section:

- EnterpriseOne ERP Properties
- Logging Properties
- JDEInterop INI File Settings
- Connection Management Properties

Each table contains a major section of the jdeinterop.ini and lists the configuration properties, typical settings, and a brief description of each property.

Important Note on Passwords

Multiple password entries exist on this page. A known issue of the Integration Server is that when one password is changed, all other passwords are set to “*****”. Whenever one password is changed, all passwords must be re-entered.

2. After you enter the configuration values, click the Save Changes button at the bottom of the screen.

EnterpriseOne ERP Properties		
Parameter	Typical Setting	Description
Unique name for ERP connection	Site-dependent variable	Each connection must be given a unique name to distinguish it from the other connections. The system uses this name to create a directory name for the required ini files to connect to EnterpriseOne ERP and is used to distinguish this connection in log output.
ERP Username	Site-dependent variable	The user name for signing in to EnterpriseOne ERP.
ERP Password	Site-dependent variable	The password for the specified EnterpriseOne ERP user name.
ERP Environment Name	Site-dependent variable	The EnterpriseOne ERP environment to which the adapter connects and executes business functions.
ERP Enterprise Server Host Name	Site-dependent variable	The host name or IP address for the enterprise server to which the adapter connects. Always verify the adapter can access this host by running a ping from a command prompt (such as “ping <hostname>”).

EnterpriseOne ERP Properties		
Parameter	Typical Setting	Description
ERP Enterprise Server Port	6010	The TCP/IP port for the EnterpriseOne ERP server. The default port is 6010.
ERP Security Server Host Name	Site-dependent variable	The host name or IP address of the EnterpriseOne ERP security server that authenticates the given user name. This may or may not be the same value as supplied for the ERP enterprise server host name.
Directory of genJava .zip file	Site-dependent variable	The location of genJava .zip files containing the genJava stubs. See <i>Appendix B: Running genJava</i> in this guide for help in generating these .zip files.
User Session Timeout	0	The maximum idle time, in milliseconds, before the user session is timed out. If a user session is timed out, you must restart the adapter before a BSFN can be called again. A value of 0 is infinite timeout.
Timeout value, in milliseconds, for a request to the enterprise server	90000	The timeout value, in milliseconds, for a request to the enterprise server.
Number of milliseconds before a manual transaction timeouts	600000	The timeout value, in milliseconds, for a manual transaction. The adapter is set to use manual transactions, which are specified in a Flow using the <code>pub.art.transaction:startTransaction</code> and either <code>pub.art.transaction:commitTransaction</code> or <code>pub.art.transaction:rollbackTransaction</code> . This value must be large enough to ensure that any Flow executing on the Integration Server has enough time to complete, given a realistic load on the enterprise server.
Size of JDENET socket connection pool	30	The maximum number of connections to EnterpriseOne ERP. This value must be larger than the Maximum Pool size specified for the Connection. The recommended value for this setting is 30.

Logging Properties		
Parameter	Typical Setting	Description
Location to place log files.	./logs/ERP8Adapter	<p>The directory where the system publishes log files. A path relative to the Integration Server directory, such as : \PeopleSoft\xpi\IntegrationServer needs to be proceeded with “./”</p> <p>If the specified directory does not exist, the system creates it when the connection is enabled.</p> <p>If multiple connections are configured for one Integration Server, you must ensure that each connection has a unique directory specified.</p>
Log debug information	FALSE	Sets the level of logging. If FALSE, only error messages are logged. Setting this value to TRUE logs debug information.
Level of trace information for jdeNet	0	The level of jdeNet trace information. 0 is the lowest level, while 3 contains the most trace information.
Level of debug information	0	The level of debug information. 0 is the lowest level, while 12 contains the most debug information.

JDEInterop INI File Settings		
Parameter	Typical Setting	Description
jdeinterop.ini file path	<blank>	<p>This optional setting enables a user to configure a connection using an existing jdeinterop.ini file instead of entering all the values on the screen. The existing jdeinterop.ini file must contain all the required values. If this field is left blank, the system uses the fields on the screen to configure the connection.</p> <p>You must enter the following properties even if a jdeinterop.ini file is specified:</p> <ul style="list-style-type: none"> • Unique connection name. • EnterpriseOne username, password, and environment. <p>It is recommended that only advanced users take advantage of this field. All others should configure the connection using the GUI.</p>

Connection Management Properties		
Parameter	Typical Setting	Description
Enable Connection Pooling	True	Enables the connection to use pooling. It is highly recommended to leave this value as true.

Connection Management Properties		
Minimum Pool	5	The minimum number of connections in the pool. This is also the number of connections created when the pool is first created. At a minimum, this number should be one greater than the number of Listeners created for this Connection.
Maximum Pool Size	10	The maximum number of connections that can exist in the pool.
Pool Increment Size	5	The number of connections that will be created if the number of connections in the pool are not great enough to handle incoming requests.
Block Timeout (msec)	20000	The amount of time, in milliseconds, that the Integration Server waits while creating a connection, before it times out and returns an error.
Expire Timeout (msec)	20000	The amount of time, in milliseconds, before inactive connections can remain in the pool before they are removed.
Startup Retry Count	1	If connection startup fails, number of times system will try to restart the connection.
Startup Backoff Timeout (sec)	10	The time interval between startup attempts.

Configuring an EnterpriseOne ERP 8.0 or OneWorld Xe Event Connection

An EnterpriseOne ERP 8.0 event connection enables a user to receive outbound events from an ERP 8.0 or OneWorld Xe system. Examples of outbound events are Realtime, Z-Table, XAPI, and so on.

Relative to previous iterations of XPI adapters, the need for end users to manage the jdeinterop.ini file is now hidden from the user. Instead, all configuration settings are displayed on the Edit Connection page along with recommended or default settings.

► To configure an EnterpriseOne ERP 8.0 or OneWorld Xe event connection

1. To determine which settings to use, refer to the following tables in this section:
 - Integration Server Properties
 - EnterpriseOne ERP Properties
 - Logging Properties
 - JDEInterop INI File Settings
 - Connection Management Properties

Each table contains a major section of the jdeinterop.ini and lists the configuration properties, typical settings, and a brief description of each property.

Important Note on Passwords

Multiple password entries exist on this page. A known issue of the Integration Server is that when one password is changed, all other passwords are set to "*****". Whenever one password is changed, all passwords must be re-entered.

2. After you enter the configuration values, click the Save Changes button at the bottom of the screen.

Integration Server Properties		
Parameter	Typical Setting	Description
Integration Server username	Site-dependent variable	<p>When processing Realtime and Z-Table events from EnterpriseOne, the adapter leverages internal services of the Integration Server for higher scalability and redundancy. To access these internal services, you must enter an Integration Server user name that has execute rights to the following services:</p> <ul style="list-style-type: none"> • pub.storage:add • pub.storage:put • pub.storage:registerStore • pub.storage:unlock <p>The default value for this property is Developer. It is strongly recommended that you change this value to a new user that has the minimal rights to execute the above services.</p>
Password for Integration Server username	Site-dependent variable	The password for the specified Integration Server user name.

EnterpriseOne ERP Properties		
Parameter	Typical Setting	Description
Unique name for ERP connection	Site-dependent variable	Each connection must be given a unique name to distinguish it from the other connections. The system uses this name to create a directory name for the required ini files to connect to EnterpriseOne ERP and is used to distinguish this connection in log output.
ERP Username	Site-dependent variable	The user name for signing in to EnterpriseOne ERP.
ERP Password	Site-dependent variable	The password for the specified EnterpriseOne ERP user name.
ERP Environment Name	Site-dependent variable	The EnterpriseOne ERP environment to which the adapter connects and executes business functions.
ERP Enterprise Server Host Name	Site-dependent variable	The host name or IP address for the enterprise server to which the adapter connects. Always verify the adapter can access this host by running a ping from a command prompt (such as "ping <hostname>").
ERP Enterprise Server Port	6010	The TCP/IP port for the EnterpriseOne ERP server. The default port is 6010.
ERP Security Server Host Name	Site-dependent variable	The host name or IP address of the EnterpriseOne ERP security server which authenticates the given user name. This may or may not be the same value as supplied for the ERP enterprise server host name.

EnterpriseOne ERP Properties		
Parameter	Typical Setting	Description
User Session Timeout	0	The maximum idle time, in milliseconds, before the user session is timed out. If a user session is timed out, you must restart the adapter before a BSFN can be called again. A value of 0 is infinite timeout.
Timeout value, in milliseconds, for a request to the enterprise server	90000	The timeout value, in milliseconds, for a request to the enterprise server.
Number of milliseconds before a manual transaction timeouts	600000	The timeout value, in milliseconds, for a manual transaction. The adapter is set to use manual transactions, which are specified in a Flow using the pub.art.transaction:startTransaction and either pub.art.transaction:commitTransaction or pub.art.transaction:rollbackTransaction. This value must be large enough to ensure that any Flow executing on the Integration Server has enough time to complete, given a realistic load on the enterprise server.
Size of JDENET socket connection pool	30	The maximum number of connections to EnterpriseOne ERP. This value must be larger than the Maximum Pool size specified for the Connection. The recommended value for this setting is 30.

Logging Properties		
Parameter	Typical Setting	Description
Location to place log files.	./logs/ERP8EventsConnection	The directory where the system publishes log files. A path relative to the Integration Server directory, such as : \PeopleSoft\xpi\IntegrationServer needs to be preceded with "./". If the specified directory does not exist, the system creates it when the connection is enabled. If multiple connections are configured for one Integration Server, you must ensure that each connection has a unique directory specified.
Log debug information	FALSE	Sets the level of logging. If FALSE, only error messages are logged. Setting this value to TRUE logs debug information.
Level of trace information for jdeNet	0	The level of jdeNet trace information. 0 is the lowest level, while 3 contains the most trace information.
Level of debug information	0	The level of debug information. 0 is the lowest level, while 12 contains the most debug information.

JDEInterop INI File Settings		
Parameter	Typical Setting	Description
Port which will receive outbound events from ERP	6015	The TCP/IP Port where the connection listens for events sent by EnterpriseOne ERP. This port should not be used by any other resource on the Integration Server machine. If multiple connections are configured, each connection must have a unique port.
Maximum number of connections	10	The maximum number of connections allowed by the connection. The maximum value for this setting is 64.
Maximum number of events	10	The maximum number of events the connection can hold before they are processed. The maximum value for this setting is 100.
Milliseconds before event Listener unsubscribes from transient events	0	The maximum time, in milliseconds, before the connection unsubscribes from transient events. A value of 0 is infinite.
jdeinterop.ini file path	<blank>	This optional setting enables a user to configure a connection using an existing jdeinterop.ini file instead of entering all the values on the screen. The existing jdeinterop.ini file must contain all the required values. If this field is left blank, the system uses the fields on the screen to configure the connection. You must enter the following properties even if a jdeinterop.ini file is specified: <ul style="list-style-type: none"> • Integration Server username and password. • Unique connection name. • EnterpriseOne ERP username, password, and environment. It is recommended that only advanced users take advantage of this field. All others should configure the connection using the GUI.

Connection Management Properties		
Parameter	Typical Setting	Description
Enable Connection Pooling	true	Enables the connection to use pooling. It is highly recommended to leave this value as true.
Minimum Pool	3	The minimum number of connections in the pool. This is also the number of connections created when the pool is first created. At a minimum, this number should be one greater than the number of listeners created for this connection.
Maximum Pool Size	10	The maximum number of connections that can exist in the pool.

Connection Management Properties		
Parameter	Typical Setting	Description
Pool Increment Size	3	The number of connections that will be created if the number of connections in the pool are not great enough to handle incoming requests.
Block Timeout (msec)	20000	The amount of time, in milliseconds, that the Integration Server waits while creating a connection, before it times out and returns an error.
Expire Timeout (msec)	20000	The amount of time, in milliseconds, before inactive connections can remain in the pool before they are removed.
Startup Retry Count	1	If connection startup fails, number of times system will try to restart the connection.
Startup Backoff Timeout (sec)	10	The time interval between startup attempts.

Working With JDBC Drivers

If the adapter is connecting to EnterpriseOne 8.9 or later, you must obtain the correct JDBC driver by downloading and configuring the driver for the required database. This section contains instructions for these JDBC Drivers supported by EnterpriseOne and the adapter.

- SQL Server 2000
- DB2/UDB
- Oracle
- DB2® for iSeries (AS/400)

SQL Server 2000

Complete the following tasks when connecting to a Microsoft SQL Server 2000 database:

- Obtain the JDBC driver.
- Install the JDBC driver.
- Configure the JDBC driver for EnterpriseOne Adapter for XPI Integration Server.

► To obtain the JDBC Driver

Microsoft provides a type four JDBC driver for SQL Server 2000 with full support at no additional charge to licensed customers.

1. You can download the driver from Microsoft at the following URL:

<http://www.microsoft.com/sql/downloads/default.asp>

- On this page, perform a search for:
SQL Server JDBC
- Ensure that you download the correct file for the system where the XPI Integration Server is running, as listed below:

Integration Server Machine	Driver File Name
Windows-based	setup.exe
UNIX-based	mssqlserver.tar

► To install the JDBC driver

- After downloading the drivers, follow the accompanying instructions for installing them.
- When you have completed the installation of the drivers, verify that the lib folder in the install directory contains the following files:
 - mssqlserver.jar
 - msbase.jar
 - msutil.jar

► To configure JDBC driver for the EnterpriseOne Adapter for XPI Integration Server

Copy the above three jar files (mssqlserver.jar; msbase.jar; msutil.jar) into the following directory.

```
C:\<XPI_Install_Directory>\IntegrationServer\packages\  
PSFT_E1_Adapter\code\jars
```

where <XPI_Install_Directory> is the directory where XPI is installed. The default installation directory is C:\PeopleSoft\XPI

Note

You must restart the XPI Integration Server after copying the files into this location.

DB2 / UDB

Complete the following sections when connecting to an IBM DB2/UDB database:

- Obtain the JDBC driver.
- Install the JDBC driver.
- Catalog the DB2/UDB database.

Note

If you have not yet installed a DB2/UDB client or server on the Integration Server machine, obtain the installation instructions from the following IBM web site:

```
http://www-3.ibm.com/software/data/db2/
```

► To obtain the JDBC driver

The JDBC driver for DB2/UDB is delivered with DB2/UDB server or client installation. After installing DB2/UDB server or client, follow the instructions to set up the JDBC 2.0 driver:

1. Ensure the following services are stopped:
 - DB2 JDBC Applet Server
 - DB2 JDBC Applet Control Center (if applicable)
2. From a Windows command line window, change to java12 directory inside the DB2 directory. For example:


```
cd c:\sql11ib\java12
```
3. Run the `usejdbc2.bat` batch file:

This batch file creates the IBM JDBC 2.0 driver, `db2java.zip`, in the `sql11ib\java` directory.
4. Restart the services that you stopped in the first step.

► To install the JDBC driver

1. Copy the file `db2java.zip`:

From: `<DB_HOME>\sql11ib\java12`

where `<DB_HOME>` is the base directory for DB2/UDB

To: `C:\<XPI_Install_Directory>\IntegrationServer\packages\PSFT_E1_Adapter\code\jars`

where `<XPI_Install_Directory>` is the directory where XPI is installed. The default installation directory is `C:\PeopleSoft\XPI`.
2. Rename the copied file:

From: `db2java.zip`

To: `db2java.jar`

Note

You must restart the XPI Integration Server after copying the files to this location.

► To catalog the DB2/UDB database

On the XPI Integration Server machine, run the DB2/UDB Client Configuration Assistant program to access a file on the EnterpriseOne deployment server that catalogs the DB2/UDB databases.

For instructions on cataloging DB2 UDB databases, depending on your platform refer to either of the following guides:

- *EnterpriseOne PeopleTools 8.11 Installation for Microsoft SQL Server, UDB DB2, or Oracle on Windows-based Systems*
- *EnterpriseOne PeopleTools 8.11 Installation for UDB DB2 or Oracle on UNIX-based Systems*

Assuming the `oneworld.spf` file is created and available:

1. From your Desktop, click Start, Programs, IBM DB2, Client Configuration Assistant.
2. If the Add Database screen appears, close it.
3. Click Import at the bottom of the screen.
4. Click Network and browse to the directory on the Deployment server which contains the `oneworld.spf` file.
5. Open the `oneworld.spf` file.
6. On the Integration Server machine, open the `db2cli.ini` file found in the DB2/UDB directory. For example:

```
c:\sqllib\
```
7. Comment out or remove the `LOBCacheSize` parameters under the database aliases associated with EnterpriseOne, and save the changes.

Oracle

Complete the following tasks when connecting to an Oracle database:

- Obtain the JDBC driver.
- Install the JDBC driver.
- Configure the `tnsnames.ora` file.

► To obtain the JDBC driver

The JDBC driver for Oracle is automatically downloaded to your system when you install the Oracle client or server. Verify that the `classes12.zip` file is present in the `/jdbc/lib/` directory under the Oracle install directory. If this file is not present, download it into the above directory from the Oracle web site.

At the time of this writing, the JDBC Drivers were available for download from the following URL:

```
http://otn.oracle.com/software/tech/java/sqlj\_jdbc/index.html
```

► To install the JDBC driver

1. Copy the file `classes12.zip`:
From: `<ORACLE_HOME>\jdbc\lib`
To: `C:\<XPI_Install_Dir>\IntegrationServer\packages\PSFT_E1_Adapter\code\jars`

where `<XPI_Install_Dir>` is the directory where XPI is installed. The default installation directory is `C:\PeopleSoft\XPI`

2. Rename the copied file:

From: `classes12.zip`

To: `classes12.jar`

Note

You must restart the XPI Integration Server after copying the files into this location.

► **To configure the `tnsnames.ora` file**

You must supply or configure the `tnsnames.ora` file if you are using an Oracle database. This file defines the connection between the Oracle database and the XPI Integration Server. If your configuration uses an Oracle database, you can copy the `tnsnames.ora` file on your EnterpriseOne/ERP client installation to a directory on the XPI Integration Server. You need to enter this path in the configuration of an EnterpriseOne connection.

See the JDBC Drivers table in the *Configuring an EnterpriseOne Connection* section of this guide for information on how to specify the location of the `tnsnames.ora` file.

DB2 for iSeries (AS/400)

Complete the following tasks when connecting to a DB2 for iSeries database:

- Obtain the JDBC driver.
- Install the JDBC driver.

► **To obtain the JDBC driver**

Obtain the AS/400 Toolbox for Java from IBM at the following web site:

<http://www.as400.ibm.com/toolbox>

► **To install the JDBC driver**

1. Locate the file `jt400.zip` which is delivered by the AS/400 Toolbox.
2. Copy the `jt400.zip` file into the following directory:

`C:\<XPI_Install_Dir>\IntegrationServer\packages\PSFT_E1_Adapter\code
\jars`

3. Rename the file:

From: `jt400.zip`

To: `jt400.jar`

STEP 3: Enabling an EnterpriseOne Adapter Connection

After you configure and save a connection, you must enable the connection before the system can use it.

► To enable an EnterpriseOne Adapter Connection

1. Connect to your XPI Integration Server machine by entering the URL. For example:

`http://localhost:5555`

where `<localhost>` is the name or IP address of the server running the Integration Server, and `<5555>` is the port for the Integration Server.

Note

You must provide a user name and password. The case-sensitive default values are:

Username: Administrator

Password: manage

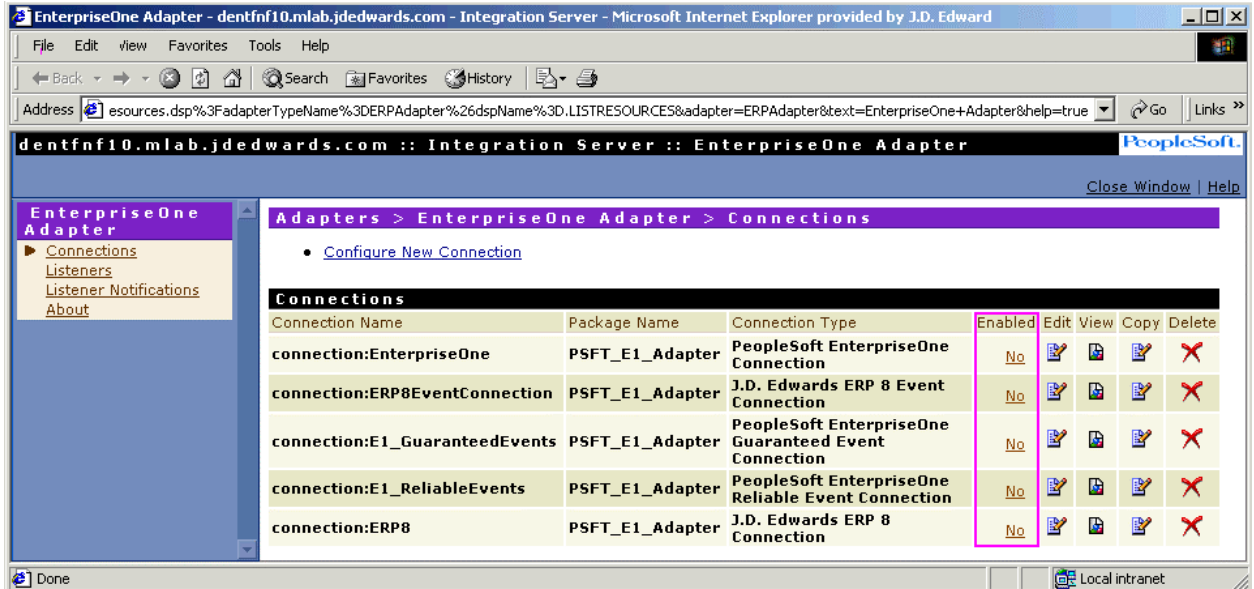
Usage	Current	Peak	Limit
Total Sessions	1	3	-
Licensed Sessions	0	1	10000
Service Threads	1	4	-
System Threads	284	284	-
Uptime	20h:48m:11s		

Requests	Current
Completed Req's	2145
Average Time	0 ms
Service Errors	3
Req's per minute	Started
	6/min

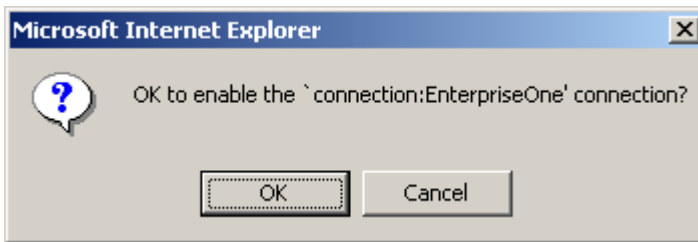
Memory	Value	Percentage
Total	246462 KB	
Used	159402 KB	65%
Free	87060 KB	35%

2. In the left pane, click Adapters, and then choose EnterpriseOne Adapter.

STEP 3: Enabling an EnterpriseOne Adapter Connection



- On Adapters > EnterpriseOne Adapter > Connections, in the Enabled column, click No for the connection you wish to enable.

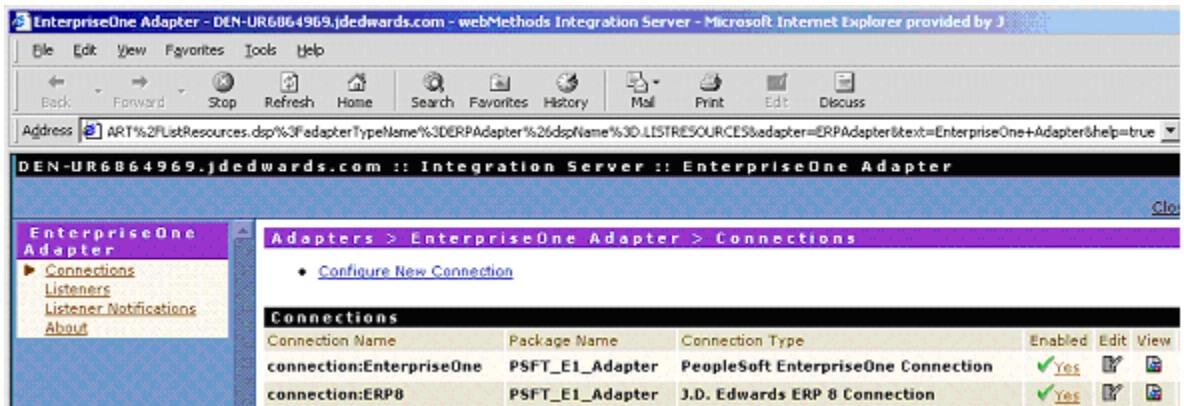


- On the dialog box, click OK to enable the connection.

Note

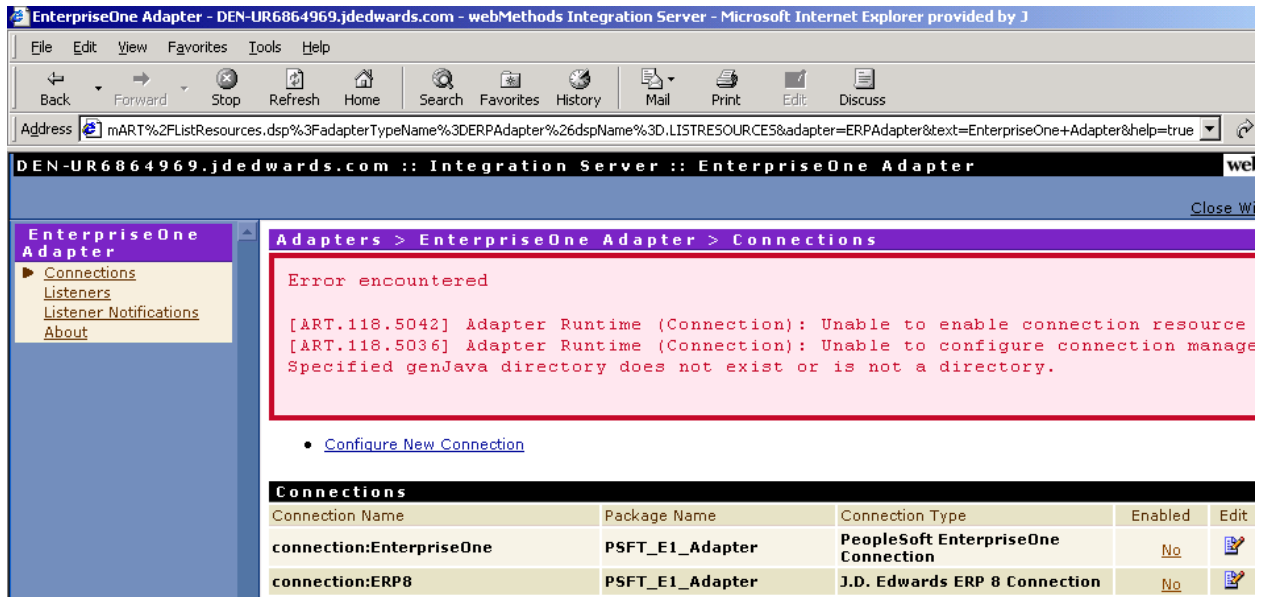
You must wait for the connection to be enabled. Do not refresh the screen or click another link until the connection has come back as enabled or returns an error.

If the connection is correctly enabled, the link below Enabled indicates Yes, as shown in the following example:



STEP 3: Enabling an EnterpriseOne Adapter Connection

If there is an error in the configuration, the system displays the error as shown in the following screen. In such cases, you must fix the error and attempt to re-enable the connection. In the following example, the genJava directory was not specified correctly.





The screenshot shows a web browser window with the address bar containing a URL for the EnterpriseOne Adapter. The main content area displays an error message in a red box:

```
Error encountered  
[ART.118.5042] Adapter Runtime (Connection): Unable to enable connection resource  
[ART.118.5036] Adapter Runtime (Connection): Unable to configure connection manage  
Specified genJava directory does not exist or is not a directory.
```

Below the error message is a link: [Configure New Connection](#)

Below the error message is a table titled "Connections":

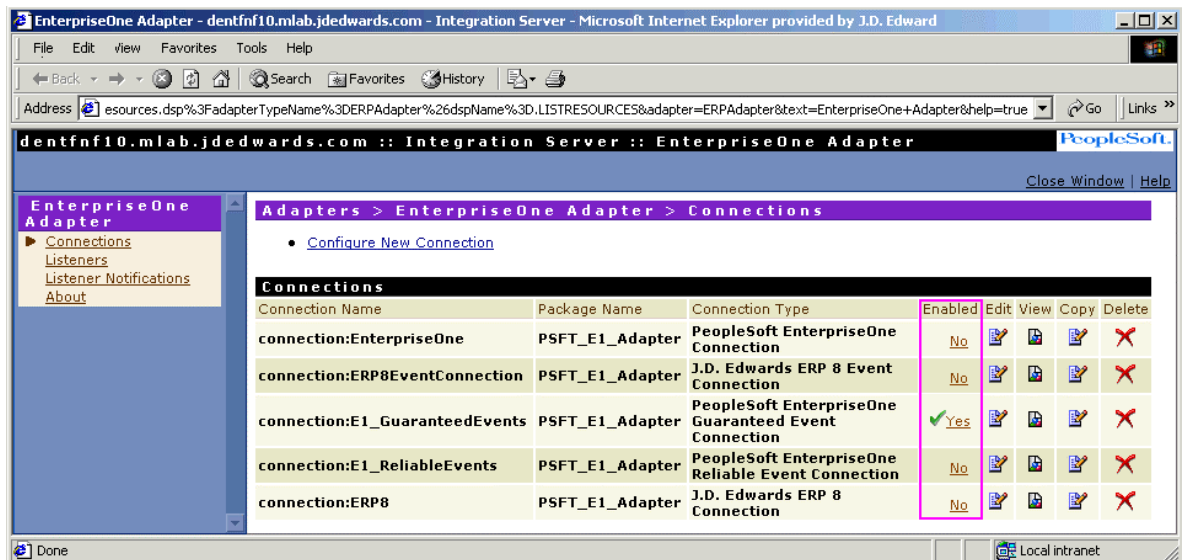
Connection Name	Package Name	Connection Type	Enabled	Edit
connection:EnterpriseOne	PSFT_E1_Adapter	PeopleSoft EnterpriseOne Connection	No	
connection:ERP8	PSFT_E1_Adapter	J.D. Edwards ERP 8 Connection	No	

STEP 4: Creating a Listener

To receive Realtime or Z-Table events from EnterpriseOne, you must create at least one Listener. If you intend to use a configured connection only to make inbound calls to EnterpriseOne (for example, business function calls), you can skip this entire step. Additionally, all integrations shipped by PeopleSoft already have a default Listener. There is no need to create a new Listener if you intend to only use PeopleSoft integrations.

Remember that a Listener can only be connected to an event connection. While you can configure a Listener against a non-event connection, doing so will prevent the Listener from starting.

► To create a Listener for the connection:ERP8EventConnection connection

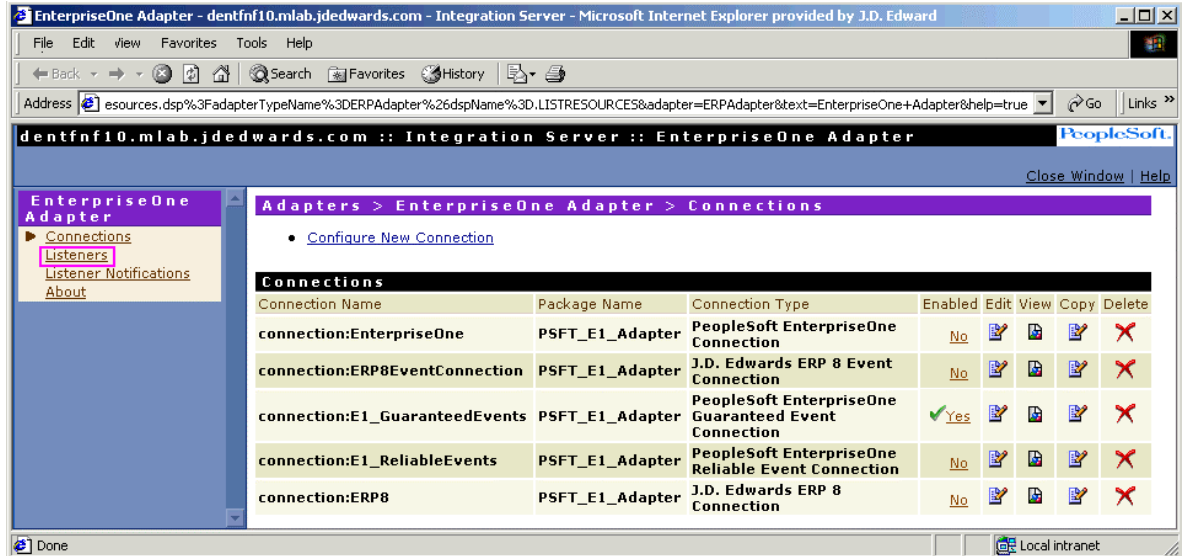


The screenshot shows the 'EnterpriseOne Adapter' web interface. The breadcrumb trail is 'Adapters > EnterpriseOne Adapter > Connections'. A table titled 'Connections' lists several connections. The 'connection:ERP8EventConnection' row is highlighted, and its 'Enabled' status is 'No'. A pink box highlights the 'Enabled' column for this row.

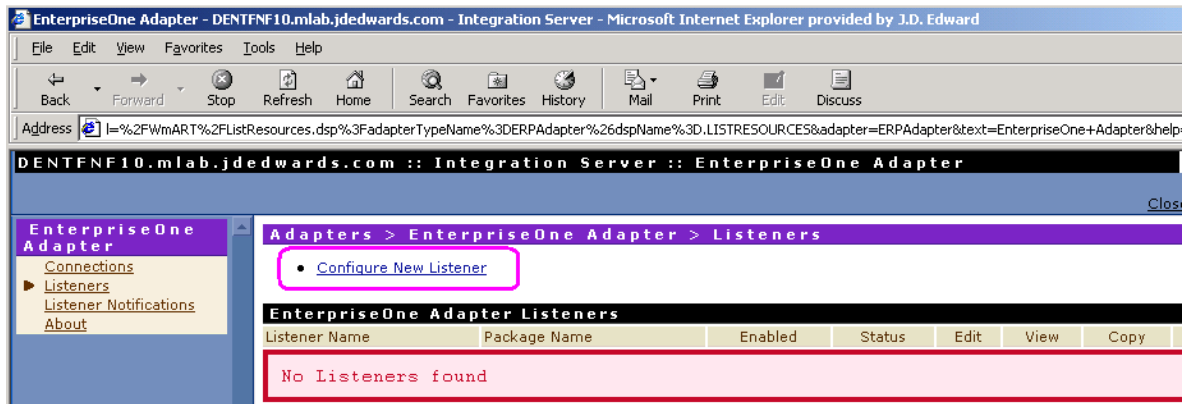
Connection Name	Package Name	Connection Type	Enabled	Edit	View	Copy	Delete
connection:EnterpriseOne	PSFT_E1_Adapter	PeopleSoft EnterpriseOne Connection	No				
connection:ERP8EventConnection	PSFT_E1_Adapter	J.D. Edwards ERP 8 Event Connection	No				
connection:E1_GuaranteedEvents	PSFT_E1_Adapter	PeopleSoft EnterpriseOne Guaranteed Event Connection	Yes				
connection:E1_ReliableEvents	PSFT_E1_Adapter	PeopleSoft EnterpriseOne Reliable Event Connection	No				
connection:ERP8	PSFT_E1_Adapter	J.D. Edwards ERP 8 Connection	No				

1. On Adapters > EnterpriseOne Adapter, verify that the connection is enabled. If the connection is enabled, the adapter is ready to receive events.

STEP 4: Creating a Listener

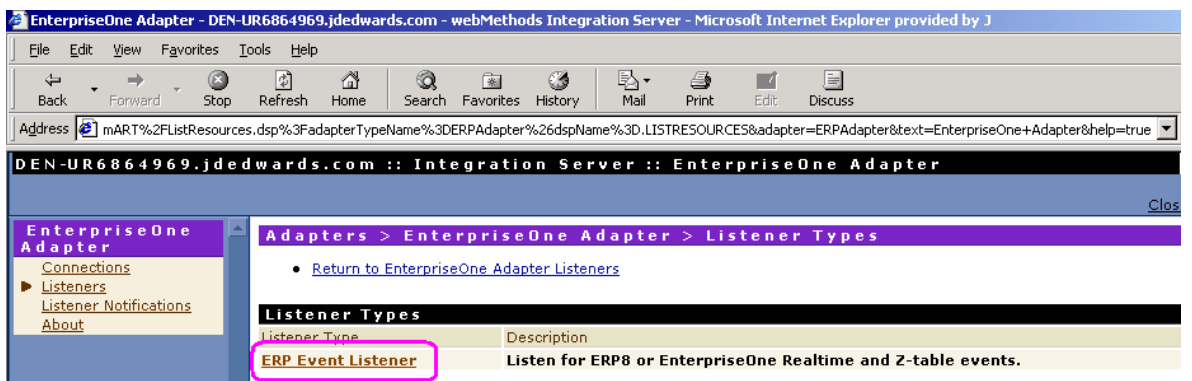


- On Adapters > EnterpriseOne Adapter > Connections, in the left pane under the EnterpriseOne Adapter section, click the Listeners link.

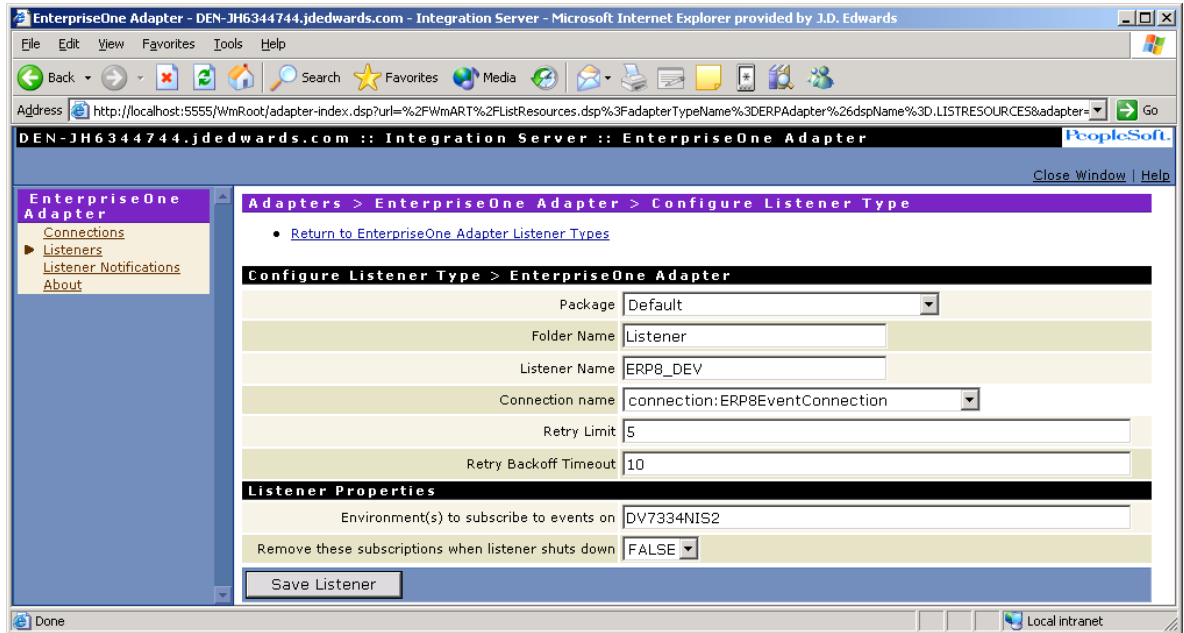


- On Adapters > EnterpriseOne Adapter > Listeners, click the Configure New Listener link at the top of the page.

If you have not previously configured any Listeners, the display indicates that no Listeners are found.



- On Adapters > EnterpriseOne Adapter > Listener Types, click the ERP Event Listener link.

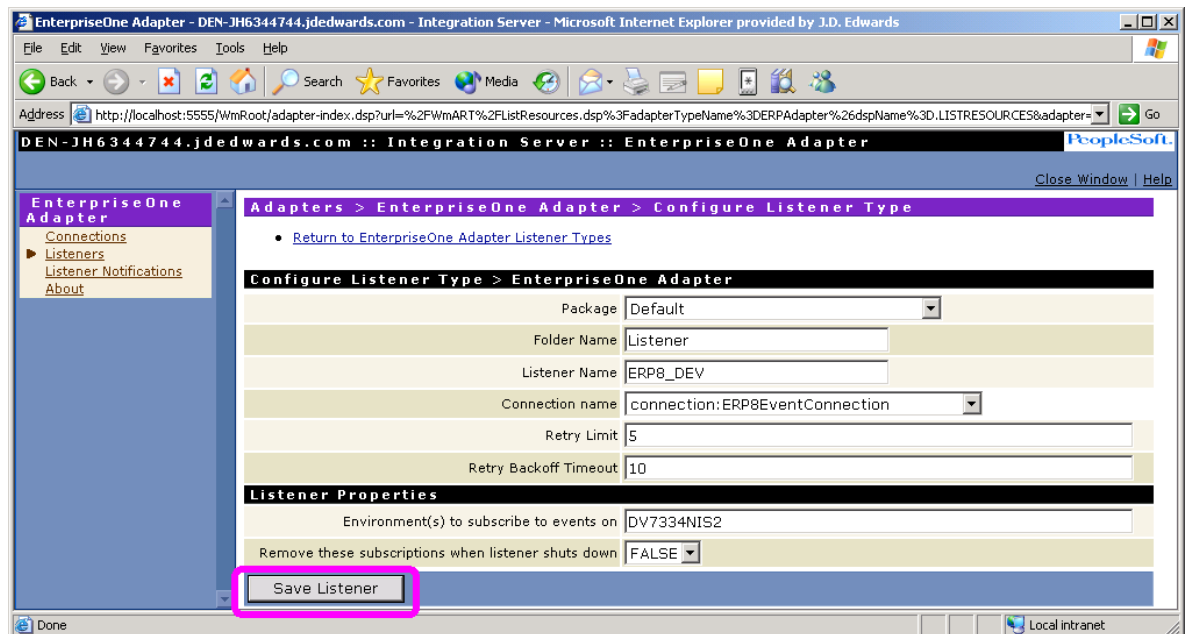


- On Adapters > EnterpriseOne Adapter > Configure Listener Type, complete the required fields as shown in the following table:

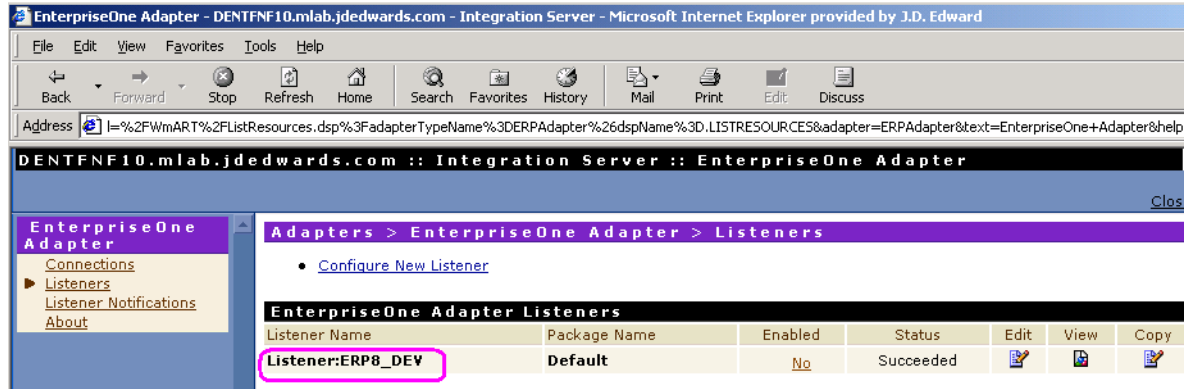
Listener Properties		
Parameter	Typical Setting	Description
Package	Site dependent variable	This is the package where the Listener is stored. It is recommended that you not store the Listener in the PSFT_E1_Adapter package, as the Listener will be removed when an adapter update is taken. It is recommended that you use the XPI Developer tool to create a new package to store the Listener in. This can be the same package created to store the Connection.
Folder Name	Site dependent variable	The folder where the Listener will be stored. If the folder does not exist under the specified Package, it will be created. You must specify a name and the name should not include any path information. For example: Listener Note that the name of the folder may not contain a space character.
Listener Name	Site dependent variable	The name of the Listener. This should be descriptive enough to know the purpose of the Listener and to what resource the Connection is attached. For example: ERP8_DEV

STEP 4: Creating a Listener

Listener Properties		
Parameter	Typical Setting	Description
		Note that the name of the Listener may not contain a space character.
Connection Name	Site dependent variable	The connection to attach the Listener to. This must be an Event Connection for the Listener to function.
Retry Limit	5	The number of attempts to try and start the Listener.
Retry Backoff Timeout	10	The amount of time, in seconds, to wait between retry attempts.
Environment(s) to subscribe to events on	Site dependent variable	A Listener can subscribe to events on one or more EnterpriseOne environments. Multiple environments must exist on the same EnterpriseOne pathcode, and the username/password configured for the Connection must be valid for all environments. Separate multiple environments with a comma or space.
Remove these subscriptions when the Listener shuts down	FALSE	By default, a Listener uses persistent subscriptions when subscribing to EnterpriseOne. If the connection is disabled, any events subscribed to will be stored on the EnterpriseOne side until the Connection restarts and is ready to receive events. Setting this parameter to TRUE removes the persistent subscriptions on shutdown of the Listener.

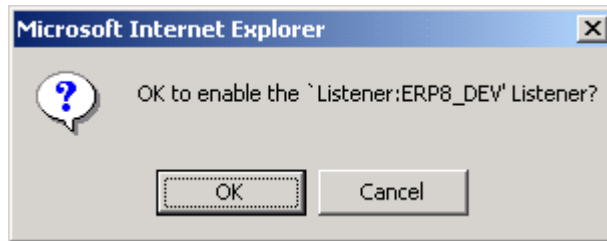


- On Adapters > EnterpriseOne Adapter > Configure Listener Type, after you complete all required fields for configuration properties, click the Save Listener button.

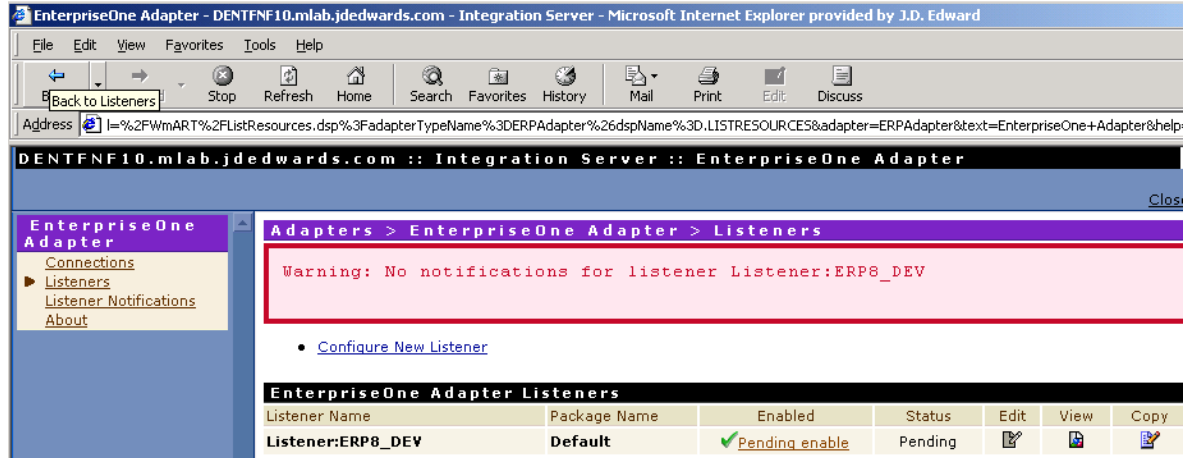


The system displays the newly created Listener.

- On Adapters > EnterpriseOne Adapter > Listeners, enable the Listener by clicking the No link under the Enabled column. This causes the status to toggle to enabled.



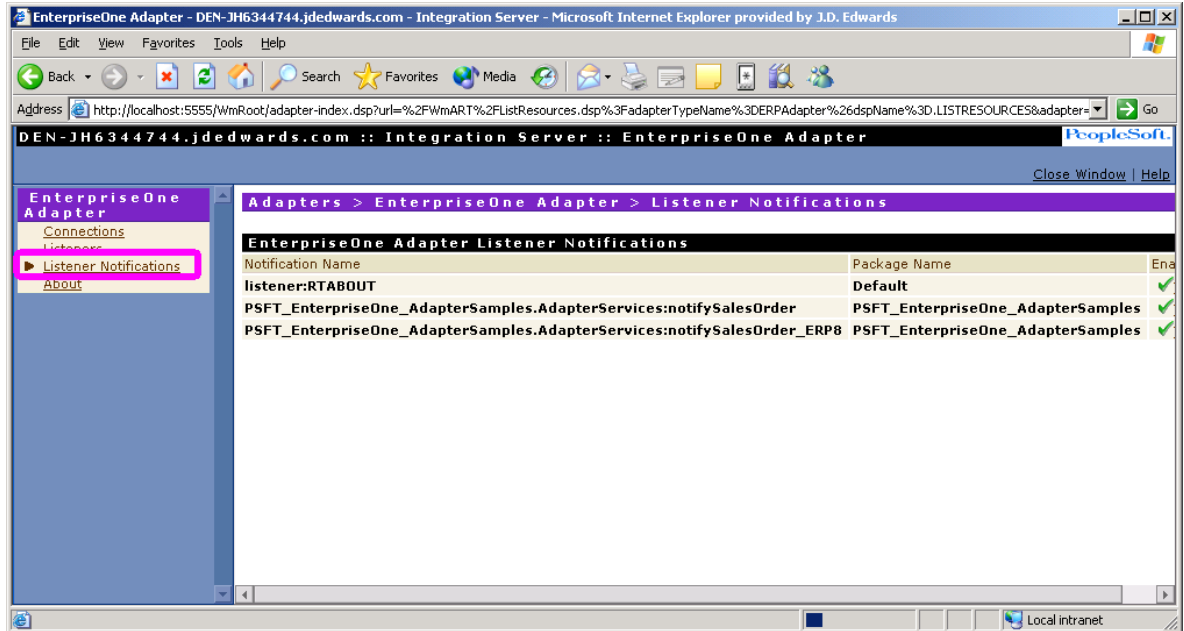
- On the dialog box, click OK to enable the connection.



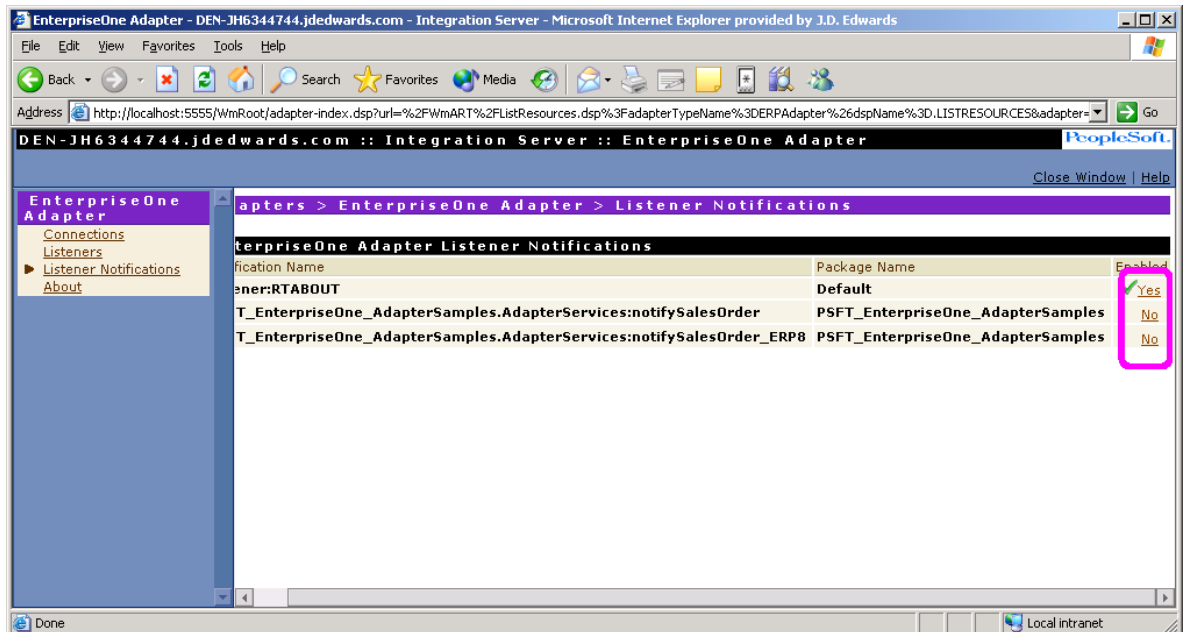
On Adapters > EnterpriseOne Adapter > Listeners, the screen refreshes and displays a warning at the top of the screen. You can safely ignore the warning because you have not yet created a Notification for this Listener.

To create a Notification, follow the instructions in the *EnterpriseOne XPI EnterpriseOne Adapter Programmers PeopleBook*.

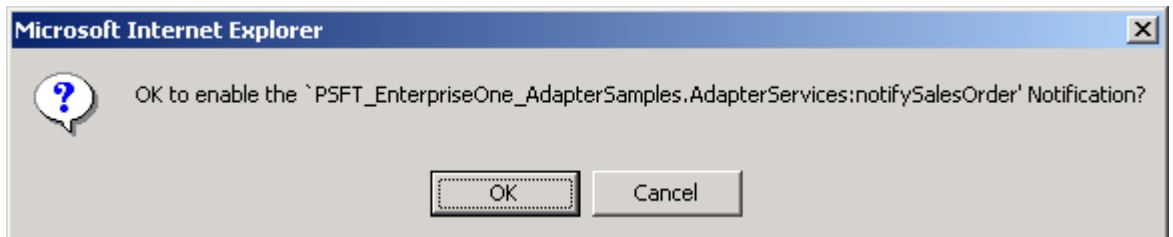
STEP 4: Creating a Listener



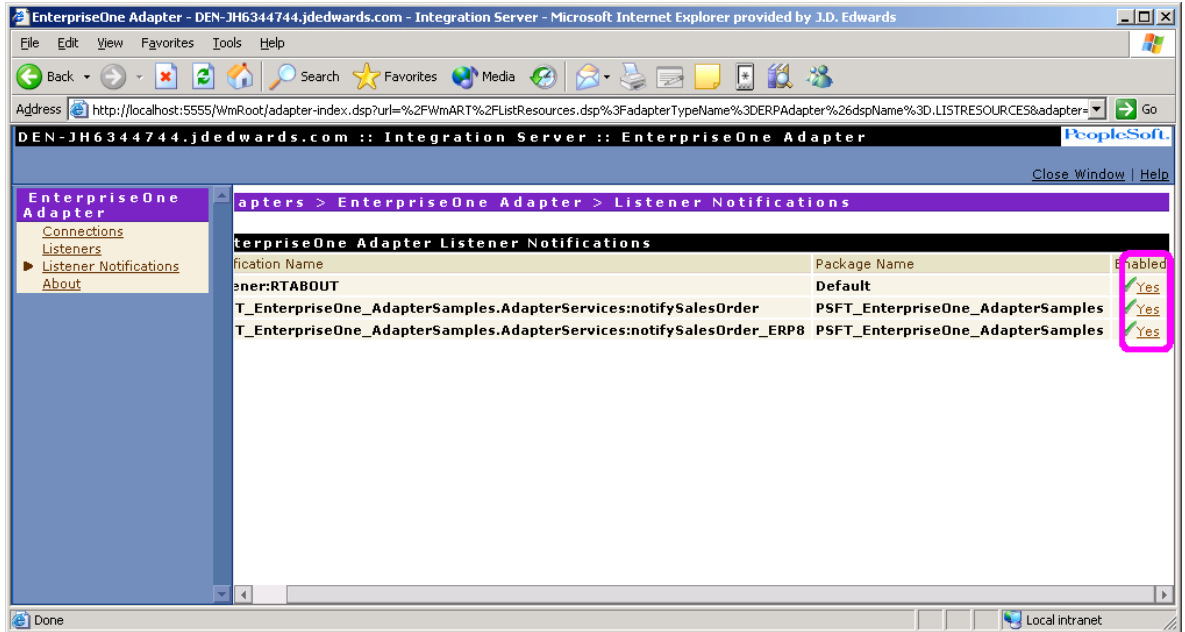
9. After you have created a Notification, on Adapters > EnterpriseOne Adapters > Listeners, you must enable it by clicking the Listener Notifications link in the left pane.



10. On Adapters > EnterpriseOne Adapter > Listener Notifications, in the Enabled column, click the No link to enable the Notification for the Notification you previously created.



11. On the dialog, click OK to enable the Notification.

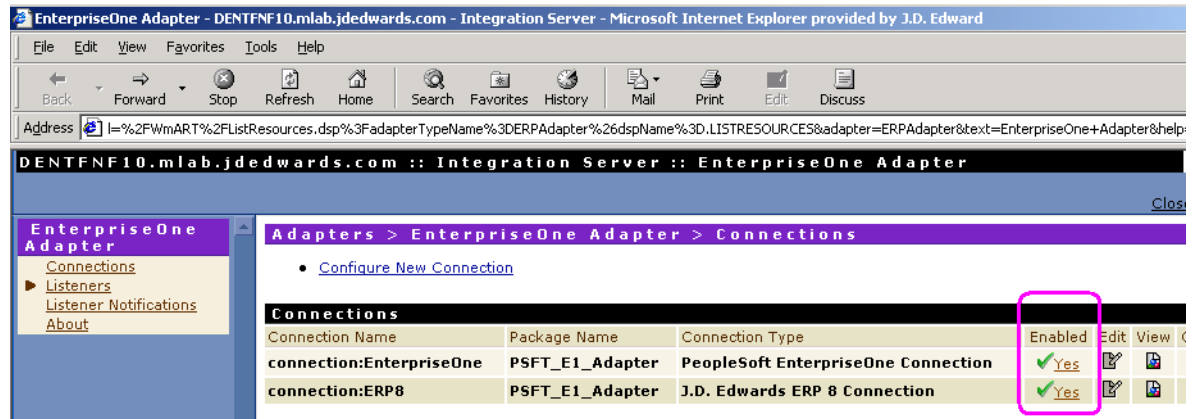


12. Under the Enabled column, verify that the display is refreshed to indicate Yes. This confirms that the Notification is started.

STEP 5: Disabling an EnterpriseOne Adapter Connection

To completely stop a connection, you must first disable all Listeners.

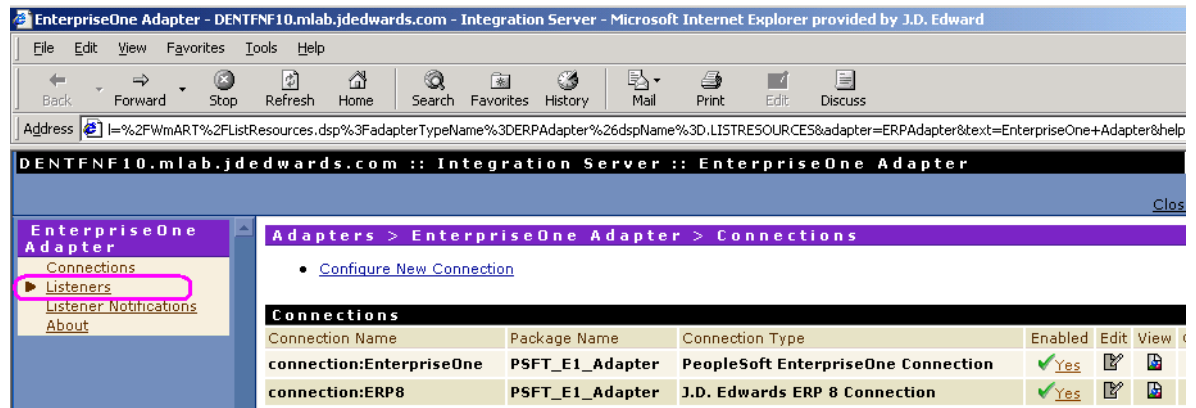
► To stop a connection that is enabled



The screenshot shows the 'EnterpriseOne Adapter' page with the 'Connections' tab selected. The table below shows two connections, both with 'Enabled' status set to 'Yes'.

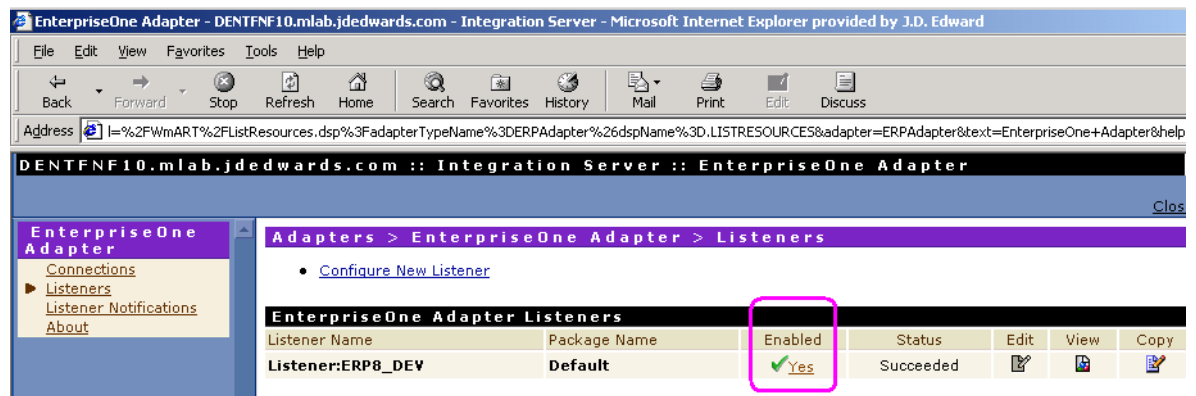
Connection Name	Package Name	Connection Type	Enabled	Edit	View
connection:EnterpriseOne	PSFT_E1_Adapter	PeopleSoft EnterpriseOne Connection	✓ Yes		
connection:ERP8	PSFT_E1_Adapter	J.D. Edwards ERP 8 Connection	✓ Yes		

1. On Adapters > EnterpriseOne Adapter, verify the connection is enabled.



The screenshot shows the 'EnterpriseOne Adapter' page with the 'Listeners' link in the left navigation pane highlighted with a pink box.

2. On Adapters > EnterpriseOne Adapter > Connections, in the left pane under the EnterpriseOne Adapter section, click the Listeners link.



The screenshot shows the 'EnterpriseOne Adapter' page with the 'Listeners' tab selected. The table below shows one listener, with 'Enabled' status set to 'Yes'.

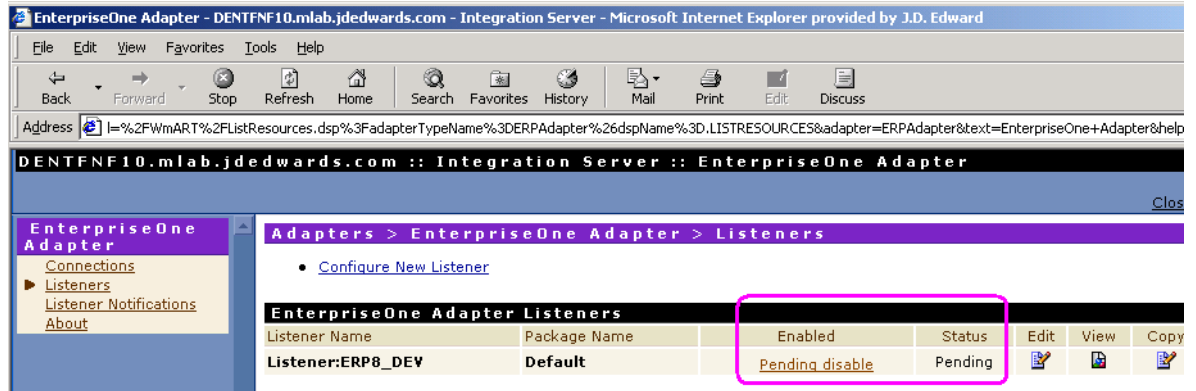
Listener Name	Package Name	Enabled	Status	Edit	View	Copy
Listener:ERP8_DEV	Default	✓ Yes	Succeeded			

3. Under the Enabled column, click the Yes link under the Enabled column to toggle the setting. This disables the selected Listener.

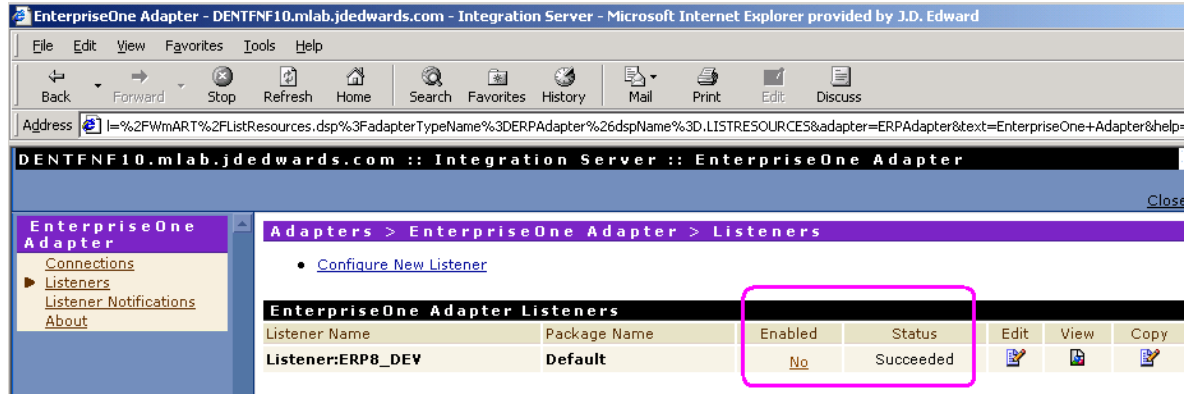
STEP 5: Disabling an EnterpriseOne Adapter Connection



4. On the dialog, click OK to disable the Listener.



The system takes a few seconds to completely disable the Listener. While the Enable column displays “Pending disable” and while the Status column indicates “Pending,” the Listener is not yet disabled. You can click the Listeners link in the left pane to refresh the screen until the status changes.

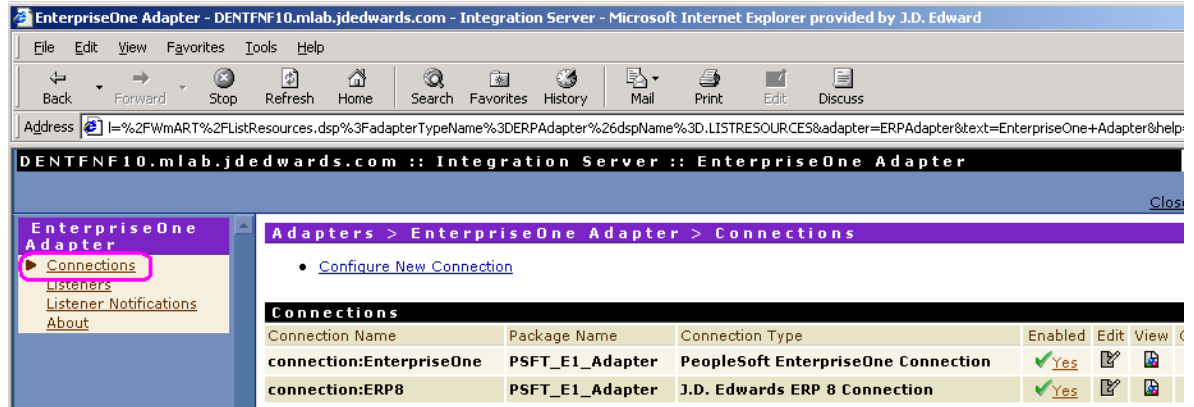


The Listener is successfully disabled when the Enabled column displays “No” and the Status displays “Succeeded.”

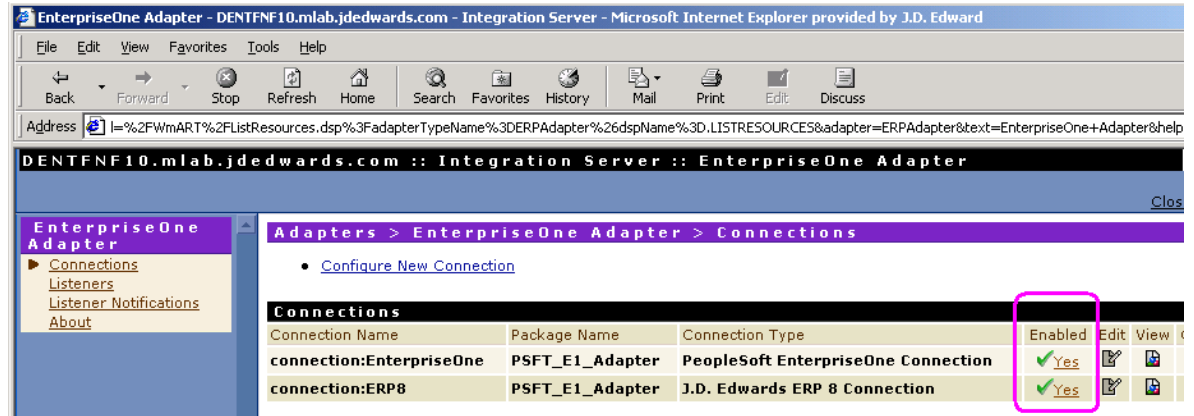
STEP 5: Disabling an EnterpriseOne Adapter Connection

Note

Make sure to perform these steps for **all** Listeners of a connection.



- Once all Listeners are disabled, click the Connections link in the left pane:

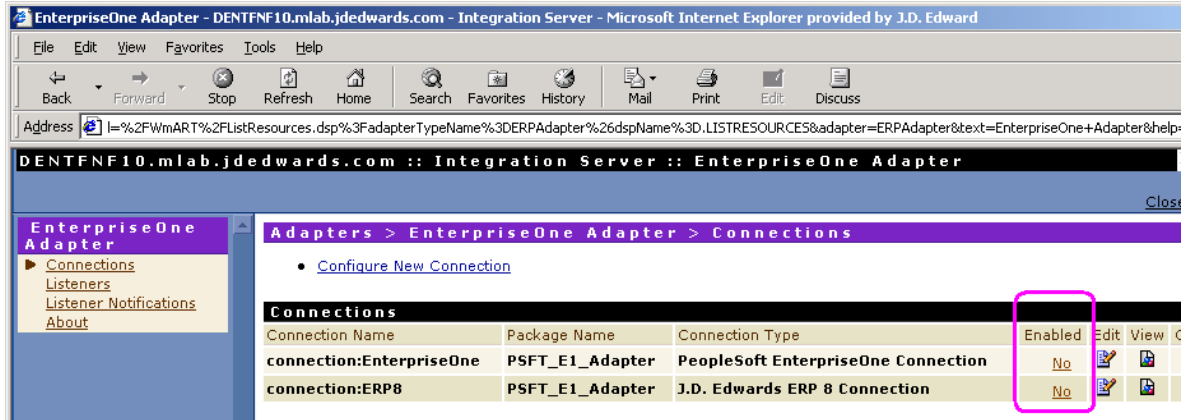


- Disable each connection by clicking the Yes link in the Enabled column. This toggles the status.



- On the dialog, click OK.

STEP 5: Disabling an EnterpriseOne Adapter Connection



8. Verify that the Enabled status of the connection is changed to No. You can now change connection settings and restart the connection to make the changes take effect.

Appendix A: Related Documentation

The following table lists related documentation available on the PeopleSoft Customer Connection Web page:

Guide	Description
<i>EnterpriseOne XPI 8.94 Integration Server Administrator's PeopleBook</i>	This guide provides an overview of the XPI Integration Developer architecture and components.
<i>PeopleSoft EnterpriseOne XPI 8.94 EnterpriseOne Adapter Programmer's PeopleBook</i>	This guide provides the installation tasks for all EnterpriseOne XPI adapters. By default, all EnterpriseOne XPI adapters are selected for installation. However, you can choose to install only specific adapters as required.
<i>PeopleSoft EnterpriseOne XPI 8.94 Integration Development Methodology PeopleBook</i>	This guide provides a development methodology for creating integrations using XPI Integration Developer.

Appendix B: Running genJava

You must modify scripts and run GenJava to generate business function wrappers. When you generate the wrappers, you must specify the EnterpriseOne environment in which the business function executes. The scripts to generate the wrappers must be run on a Windows NT machine with an installed full EnterpriseOne Windows client. This client machine must be a client that was installed from the same EnterpriseOne enterprise server as is currently being used in this Interoperability environment.

See Also

- ❑ *Using the Java Generator (GenJava) in the PeopleSoft EnterpriseOne Interoperability document for complete details on using the EnterpriseOne Java Generator.*

► To run GenJava

1. Locate the scripts to generate the business function wrappers and batch file to set up the environment in the following directory:

```
<XPI_Install_Folder>\IntegrationServer\packages\PSFT_E1_Adapter  
\scripts
```

If the EnterpriseOne Windows client is running on a different machine than the XPI Integration Server, you can download the scripts from the server at the following URL:

```
http://<XPI_Integration_Server>:5555/PSFT_E1_Adapter/pub/scripts/genJ  
ava/
```

2. Copy the following files to the EnterpriseOne client machine:
 - EnterpriseOne_GenJava_BSFN.bat
 - EnterpriseOne_Set_Up_Env.bat
 - EnterpriseOne_Utilized_BSFN.cmd

Tips & Techniques

Business function wrappers are environment dependent. That is, they connect the EnterpriseOne Adapter with specific environments on the EnterpriseOne Server. This is why it is imperative that the EnterpriseOne client on which you generate the wrappers must have been installed from the EnterpriseOne Server on which you plan to connect to from the XPI Integration Server running the EnterpriseOne Adapter.

3. Review and update the `EnterpriseOne_Set_Up_Env.bat` file which you copied from the Integration Server.

The default drive and path have been entered for your JDK directory and EnterpriseOne location. Verify that both of these paths are correct and update them as necessary.

Tips & Techniques

Verify that the machine that has the full EnterpriseOne client installed also has a 1.2.2 or 1.3 JDK installed. Note that PeopleSoft ships the appropriate JDK version with XPI Integration Server. You can copy this JDK from the XPI Integration Server machine to

your EnterpriseOne client machine. Typically, on the XPI Integration Server machine, the JDK is located in the following directory:

```
C:\PeopleSoft\xpi\IntegrationServer\jvm
```

Although you can run multiple JDKs on the same machine, you must ensure that the JDK you specify in the `EnterpriseOne_Set_Up_Env.bat` file is either 1.2.2 or 1.3. You can verify this by opening the `\bin` directory of the JDK and running the following command:

```
java.exe -version
```

4. Locate the `EnterpriseOne_GenJava_BSFN.bat` file which was copied from the XPI Integration Server machine.

This batch file creates wrappers in a subdirectory, called `\repository`, under the directory that is pointed to by the `EXAMPLES=` variable in the `EnterpriseOne_Set_Up_Env.bat` file. By default, the `EXAMPLES=` variable is set to the following directory:

```
EXAMPLES=C:\B7\system\classes\repository
```

After running the `EnterpriseOne_GenJava_BSFN.bat` file, the wrappers found in the `\repository` directory will include but are not limited to:

```
xpi_callbsfnInterop.jar
```

```
xpi_cdistInterop.jar
```

```
xpi_cmfgInterop.jar
```

Additional `.jar` files are created as required.

5. Run the `EnterpriseOne_GenJava_BSFN.bat` file.

Note

You **must** execute this batch file by double clicking since it will not function properly if you run it from a command prompt or DOS window.

6. Copy all `.jar` files found in the `\repository` directory into the directory `genJava` directory specified when configuring an ERP8 Connection.

Note

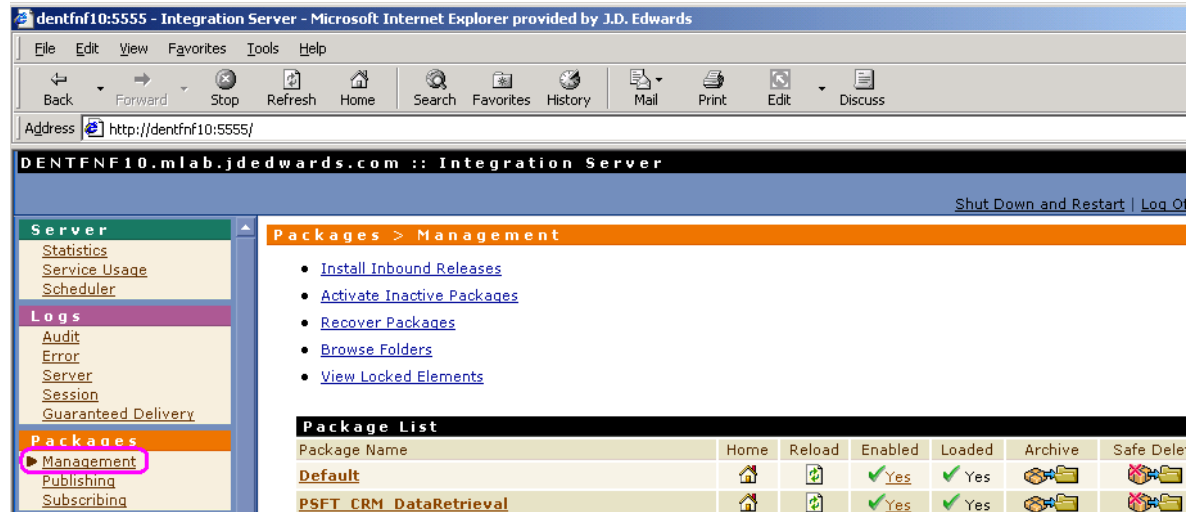
Whenever you update the EnterpriseOne server, for example through a service pack or ESU, you must re-run GenJava and copy the new wrappers to the XPI Integration Server.

Appendix C: Troubleshooting the EnterpriseOne Adapter for XPI Integration Server

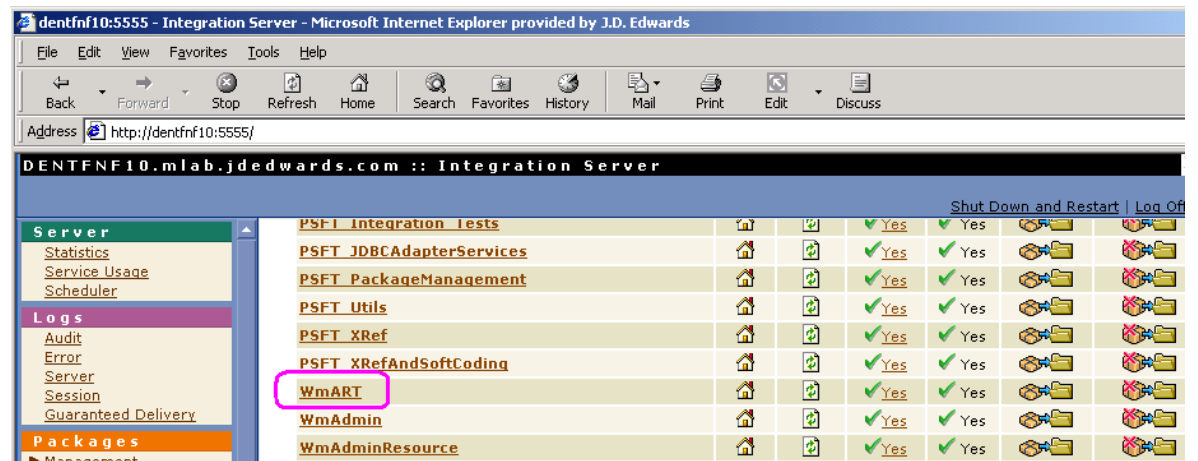
Problem: After installing the Adapter package, the EnterpriseOne Adapter does not show up under the Adapters section.

► Possible Solutions

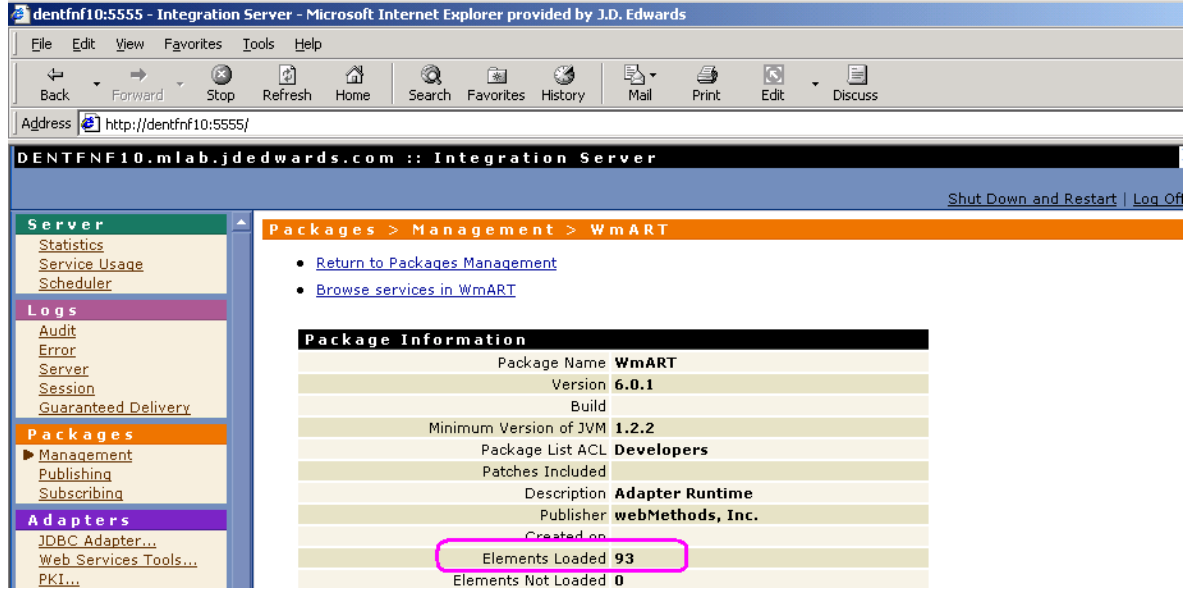
1. Some web browsers cache the information. Try a hard refresh by pressing Control + F5 in Internet Explorer.



- a. At the main Integration Server page, click the Management link under the Packages section in the left pane:



- b. Locate the WmART link and click to open.

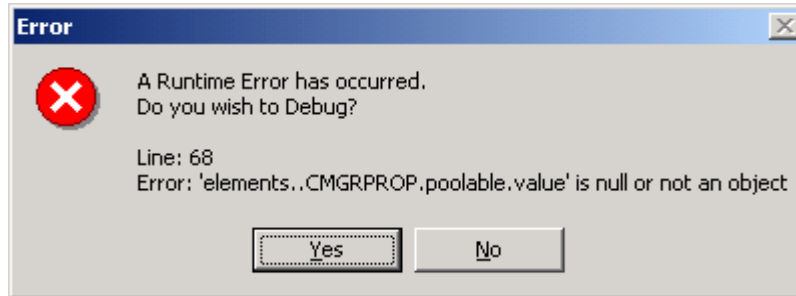


- c. Verify the value of Elements Loaded is 93. If the value is not 93, you must reinstall SP2.

Problem: I get an Error dialog while configuring a Listener.

Possible Solution

The system may display the following error when you are trying to configure a Listener:



This error is probably related to some hot fixes installed on the version of Internet Explorer you are using to configure the Listener. No other side affects, with the exception of this error dialog, are caused by these hot fixes. You can safely click No and continue.

Problem: I received this warning message: "**WARNING ** Connection is NOT available for the listener. This may be because the connection is disabled before the listener. "**

Possible Solution

This happens when the connection is disabled when the listener associated with this connection is still running. This will not cause events to be lost; however, it could cause problems such as NullPointerException in the listener. To avoid this error disable the listener before disabling the connection.

Problem: I changed a configuration setting and now the Connection does not connect to EnterpriseOne.

Possible Solution

This may occur due to a known limitation of the Integration Server. If you change one password on the configuration of a Connection and Save Changes, all other unchanged passwords are set to "*****". To work around this issue whenever you change a single password, you should also manually re-enter all the other passwords at the same time.

Problem: When I changed the connection for the listener, I received this error: "ConnectionType MUST be an EnterpriseOne Event Reliable connection, EnterpriseOne Guaranteed Event Connection. Cannot continue."

Possible Solution

Restart the Integration Server.

Problem: I get an invalid credential error when I start the connection or when receiving a Realtime Event.

Possible Solution

This may occur due to a known limitation of the Integration Server. If you change one password on the configuration of a Connection and Save Changes, all other unchanged passwords are set to "*****". To work around this issue whenever you change a single password, you should also manually re-enter all the other passwords at the same time.

Problem: I made some configuration changes to a Connection and they do not take affect when I enable the Connection.

Possible Solution

Typically, when you make configuration changes and they do not take affect, it is because the Connection was not completely shut-down before making the changes. You should ensure all Listeners are disabled before disabling and modifying the Connection.

Problem: I have replaced the connector files with the version of my enterprise server and now I get a port in use error when I restart the Connection.

Possible Solution

Versions of the Dynamic and Java Connector (which exist on the EnterpriseOne Server) are versions prior to the MTR version supported by this EnterpriseOne Adapter for Integration Server. As such, they are unable to close the port used to listen for Realtime and Z-Table events. There are two workarounds.

1. After stopping a Connection, you must change the Port which receives outbound events before restarting the Connection. The side affect of this work around is that ERP

will create a new subscription based on this port number, so any queued Realtime events will not be received.

2. After stopping a Connection, you must stop and then start (you cannot restart) the XPI Integration Server. This forces the JVM to close and the port to close. After the Integration Server is started the Connection can be enabled.

Note

It is highly recommended that you ensure the enterprise server meets the MTR level for the EnterpriseOne Adapter for Integration Server.

Problem: While running a Business Function service an exception is thrown indicating that the business function returned an error, however I do not get any error messages. Why?

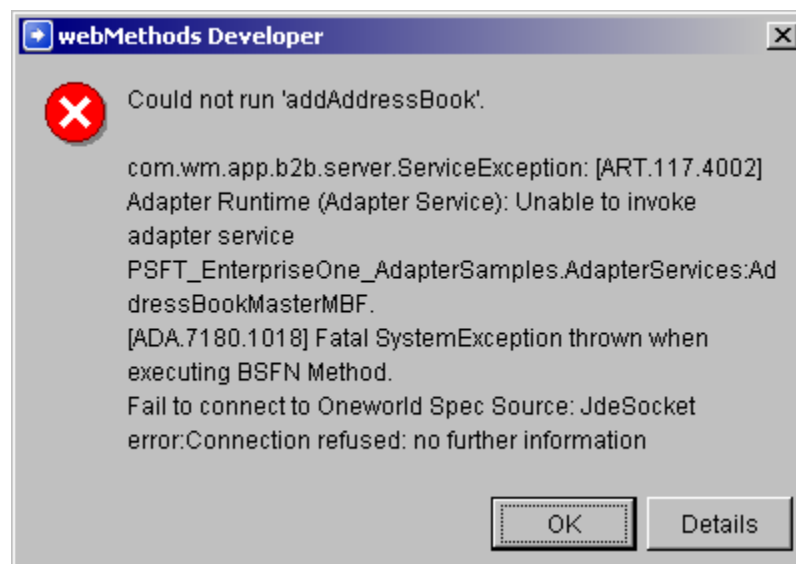
Possible Solution

What is happening is that the business function is returning a value of 2 – indicating an error – but it is not correctly populating the error list with the reason for the error. If this is a custom business function, verify the error list is being populated. If it is a shipped PeopleSoft business function, you may need to enter a SAR to have the problem corrected.

Problem: The adapter connection starts correctly but when I attempt to execute a business function service it fails.

Possible Solution

You may be seeing the following error in Developer when running a Business Function Service:



This problem is caused by an OCM setup issue.

► **To correct the error**

1. Verify there is a DEFAULT entry for *PUBLIC for object type BSFN on your specific environment.
2. After making the change, restart both the EnterpriseOne Server and the adapter connection.

Problem: When I try to start a listener, it fails and give me the following exception message: “javax.resource.ResourceException, stack=javax.resource.ResourceException: ConnectionType is not an ERPCCommonConnection. Cannot Continue.”

Possible Solution

This error typically occurs after a new adapter package is installed. To clear the error, stop the Integration Server and then start the Integration Server again. Simply restarting the server does not always clear the problem.

Problem: When adapter receives an event from 8.11 Connection, it fails and give the following exception message: ERROR:{com.jdedwards.system.connector.dynamic.newevents.AbstractEventSession} - Error retrieving object from JMS message.java.lang.MessageFormatException: MQJMS1061: Unable to deserialize object

Possible Solution

This error typically occurs when the jar files on the XPI Integration server are not compatible with the jar files deployed on J2EE Server,

To resolve this issue, see the instructions in *Appendix D: Update Java Interoperability Connector Files* in this guide.

Problem: I received this error message, "The EnterpriseOne dependency jars are not compatible: There may not be any/all required jar files in this path or the version is not compatible with the adapter."

Possible Solution

Different versions of the EnterpriseOne adapter use different Jar files. If you receive this error, the connector dependency Jar files are not compatible with the version of the EnterpriseOne adapter that you are using. To solve this problem, copy the correct set of Jar files to the corresponding folder under this directory:

```
C:\<XPI_Install_Directory>\IntegrationServer\packages\
PSFT_E1_Adapter\code\resources
```

where <XPI_Install_Directory> is the directory where XPI is installed. The default installation directory is C:\PeopleSoft\XPI

See Appendix D, Updating Java Interoperability Connector Files

Appendix D: Updating Java Interoperability Connector Files

The EnterpriseOne Adapter ships with the MTR version of the Java and Dynamic Connectors both for EnterpriseOne and for OneWorld ERP8/Xe. At times, you may be required to update these files after a service pack has been applied to the enterprise server.

Note:

You do not update Java interoperability files to connect to EnterpriseOne Tools Release 8.95 and later releases.

To update your EnterpriseOne adapter to work with EnterpriseOne Tools Release 8.95 and later releases, see Appendix F.

EnterpriseOne Tools 8.94

► To update Java interoperability files for EnterpriseOne 8.11

1. Stop all the adapter listeners and connections.
2. On the enterprise server, open the following directory:
`<EnterpriseOne_install_dir>\system\classes\`
3. Copy the following files in this directory:
 - Connector.jar
 - xalan.jar
 - xerces.jar
 - XTS.jar
4. Open the directory on the XPI Integration Server where you want to copy these replacement files.

```
Inbound Connections :
<XPI_install_dir>\IntegrationServer\packages
                    \PSFT_E1_Adapter\code\resources
                    \EnterpriseOne\
```

```
Outbound Connections :
<XPI_install_dir>\IntegrationServer\packages
                    \PSFT_E1_Adapter\code\resources
                    \EnterpriseOne_811
```

5. Before you copy replacement files, make a backup of all the files currently in the above directories.
6. Paste all the .jar files from step 3 into these directories on the XPI Integration Server.
7. On the J2EE Server open the EventProcessor.ear directory:

Example:

```
<J2EE Server
install_dir>\installedApps\qefwnen1Network\EventProcessor.ear
```

8. Copy the following files in this directory:
 - Common_JAR.jar
 - EventProcessor_EJB.jar
 - database.jar
 - jdeutil.jar
 - kernel.jar
 - log4j.jar
9. Paste .jar files into XPI Integration Server directories (Step 4, 5 & 6).

Tips & Techniques

When copying these files, remember that they are case-sensitive. The case of these files must remain exactly as listed in step 3. This applies to both Windows and UNIX systems.

10. Ensure all the files are overwritten with the versions from the enterprise server and J2EE Server. If a file is in use and cannot be overwritten, verify that the Integration Server is completely stopped.
11. Restart the adapter connections and listeners.

► To update Java interoperability files for EnterpriseOne 8.9 and 8.10

1. Stop all the adapter listeners and connections.
2. On the enterprise server, open the following directory:


```
<EnterpriseOne_install_dir>\system\classes\
```
3. Verify that the following files are present in this directory:
 - Connector.jar
 - database.jar
 - jdeutil.jar
 - kernel.jar
 - log4j.jar
 - xalan.jar
 - xerces.jar
 - XTS.jar
4. Open the directory on the XPI Integration Server where you want to copy these replacement files. For example:

```
<XPI_install_dir>\IntegrationServer\packages  
    \PSFT_E1_Adapter\code\resources  
    \EnterpriseOne\
```

5. Before you copy replacement files, make a backup of all the files currently in the above directory.
6. Copy all the .jar files from step 3 into this directory on the XPI Integration Server.

Note

When copying these files, remember that they are case-sensitive. The case of these files must remain exactly as listed in Step 3. This applies to both Windows and UNIX systems.

7. Ensure all the files are overwritten with the versions from the enterprise server. If a file is in use and cannot be overwritten, verify that the Integration Server is completely stopped.
8. Restart the adapter connections and listeners.

OneWorld ERP 8/Xe

► **To update Java interoperability files for OneWorld ERP8/Xe**

1. Stop all adapter listeners and connections.
2. On the enterprise server, open the following directory:

```
<OneWorld_install_dir>\system\classes\
```
3. Verify the following files are present in this directory
 - connector.jar
 - jdom.jar
 - Kernel.jar
 - xalan.jar
 - xerces.jar
 - xts.jar
4. Open the directory on the XPI Integration Server where you intend to copy these replacement files. For example:

```
<XPI_install_dir>\IntegrationServer\packages\  
    PSFT_E1_Adapter\code\resources\ERP8\
```
5. Before you copy the replacement files, make a backup of all the files currently in the above directory.
6. Copy all the .jar files from step 3 into this directory on the XPI Integration Server.

Tips & Techniques

When copying these files, remember that they are case-sensitive. The case of these files must remain exactly as listed in step 3. This applies to both Windows and UNIX systems.

7. Make sure that all the files are overwritten with the versions from the enterprise server. If a file is in use and cannot be overwritten, verify that the Integration Server is completely stopped.
8. Restart the adapter connections and listeners.

Appendix E: Installing the WebSphere Application Client

Note

You are required to install the WebSphere Application Client *only* if you are using EnterpriseOne Tools 8.94.

The realtime event system in EnterpriseOne 8.11 uses J2EE to ensure the events are not lost between EnterpriseOne and XPI. In order for XPI to communicate with the WebSphere Application Server, the WebSphere Application Client must be installed on the same machine as XPI. To do so, complete the following tasks:

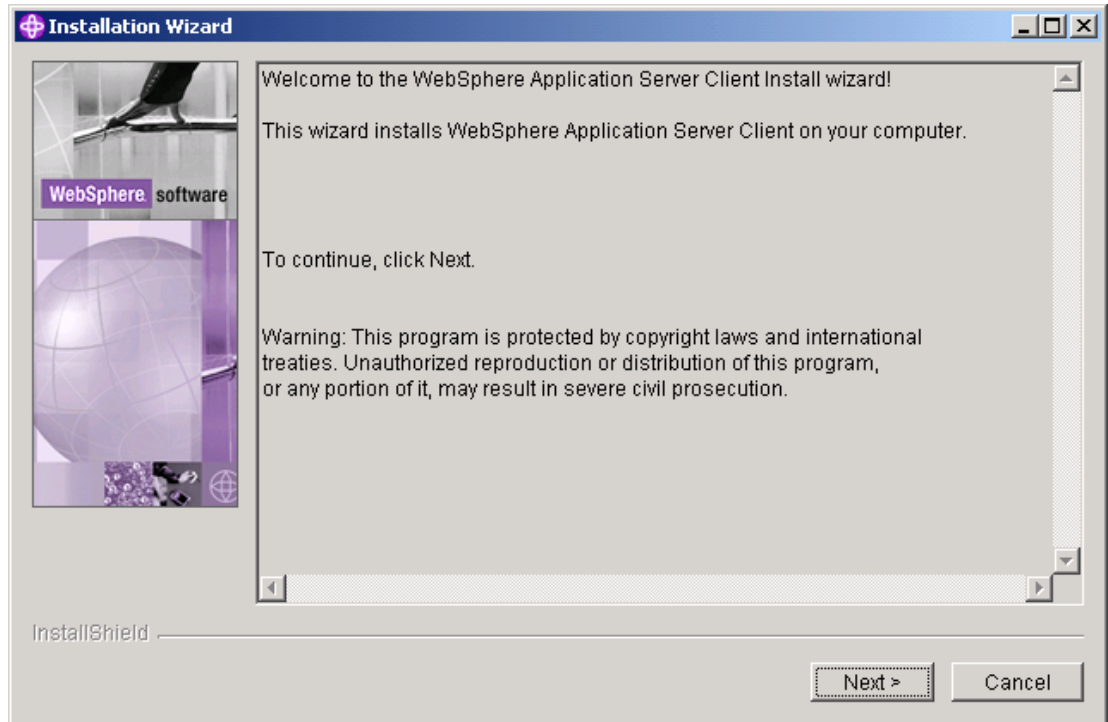
- Install WebSphere Application Client 5.0.0
- Install WebSphere Application Client 5.0.2 Update

► **To install WebSphere Application Client 5.0.0**

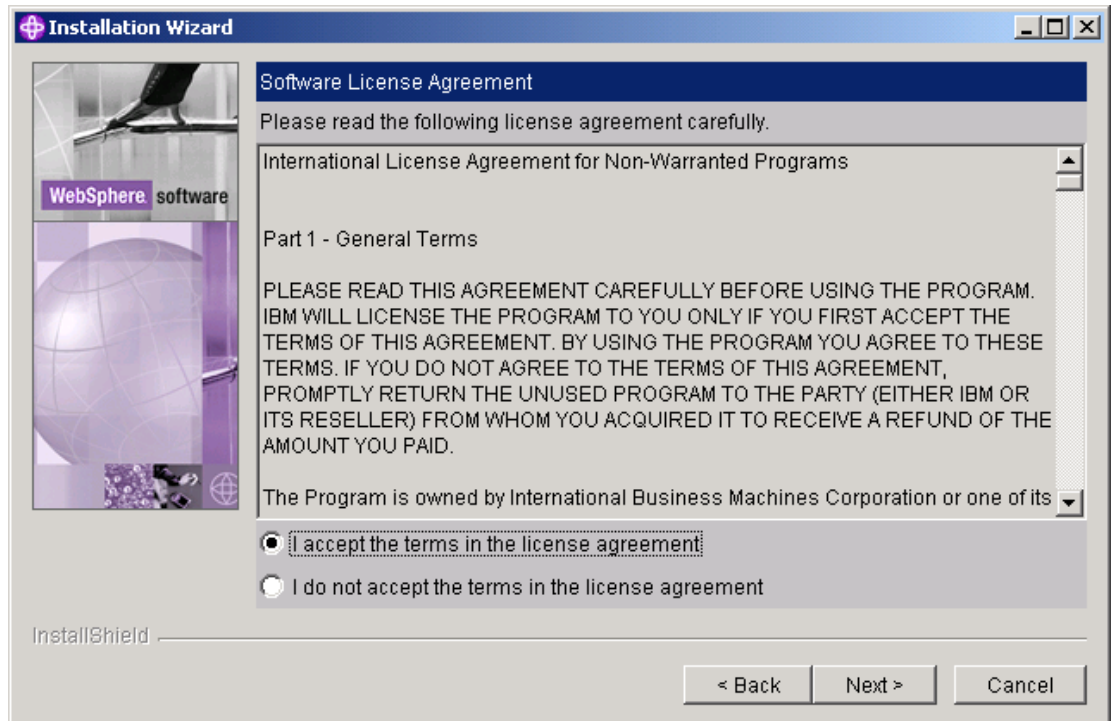
1. Download the WebSphere Application Client install.
2. From the directory on your machine, run the Install.exe.



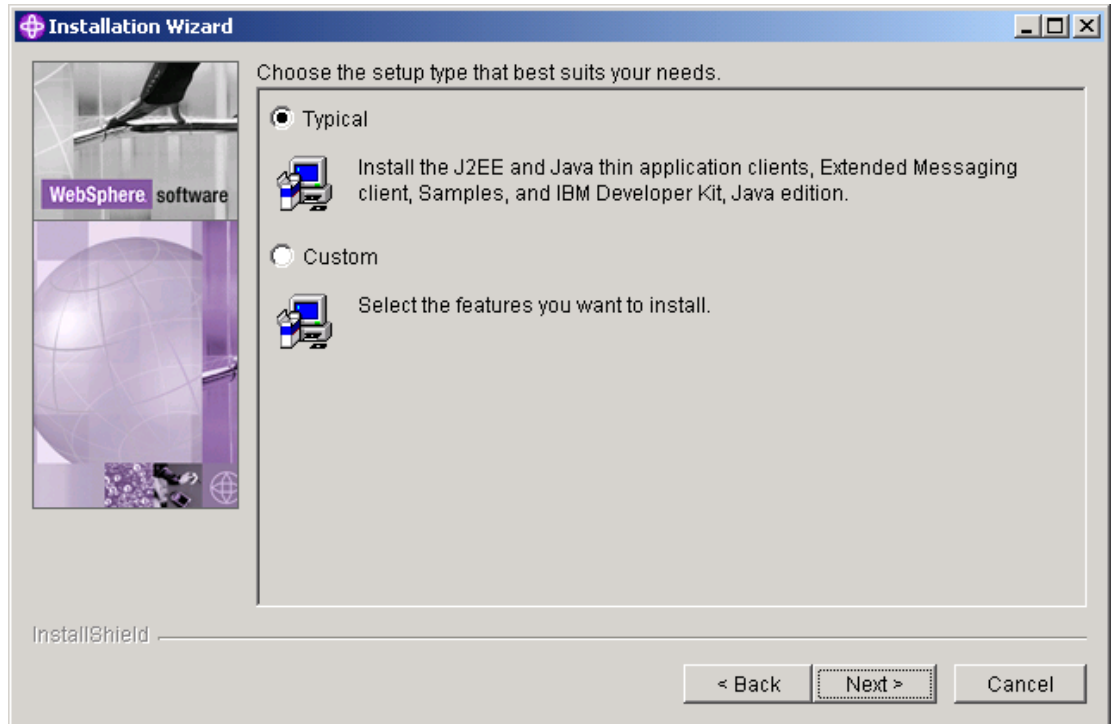
3. Select the appropriate language and then click OK.



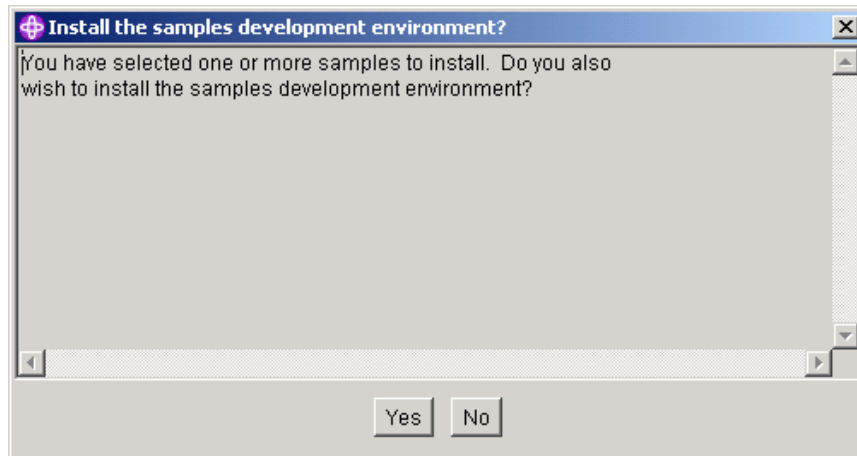
4. On the Welcome screen, click Next.



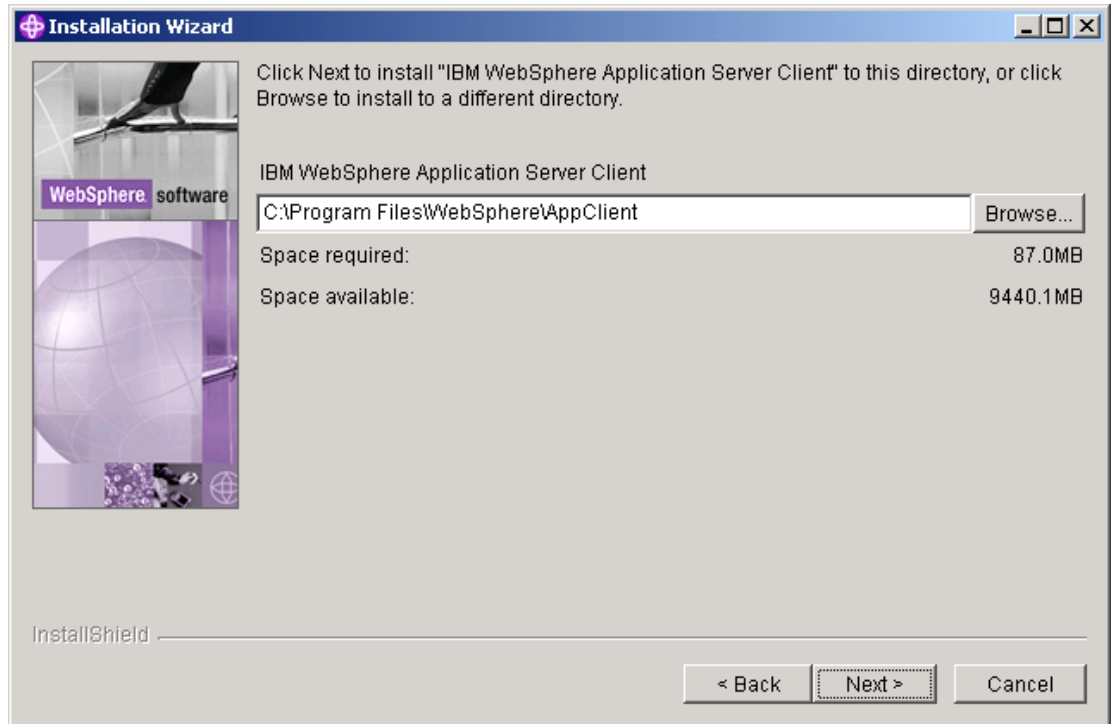
5. On the License Agreement, choose the "I accept the terms in the license agreement" and then click Next.



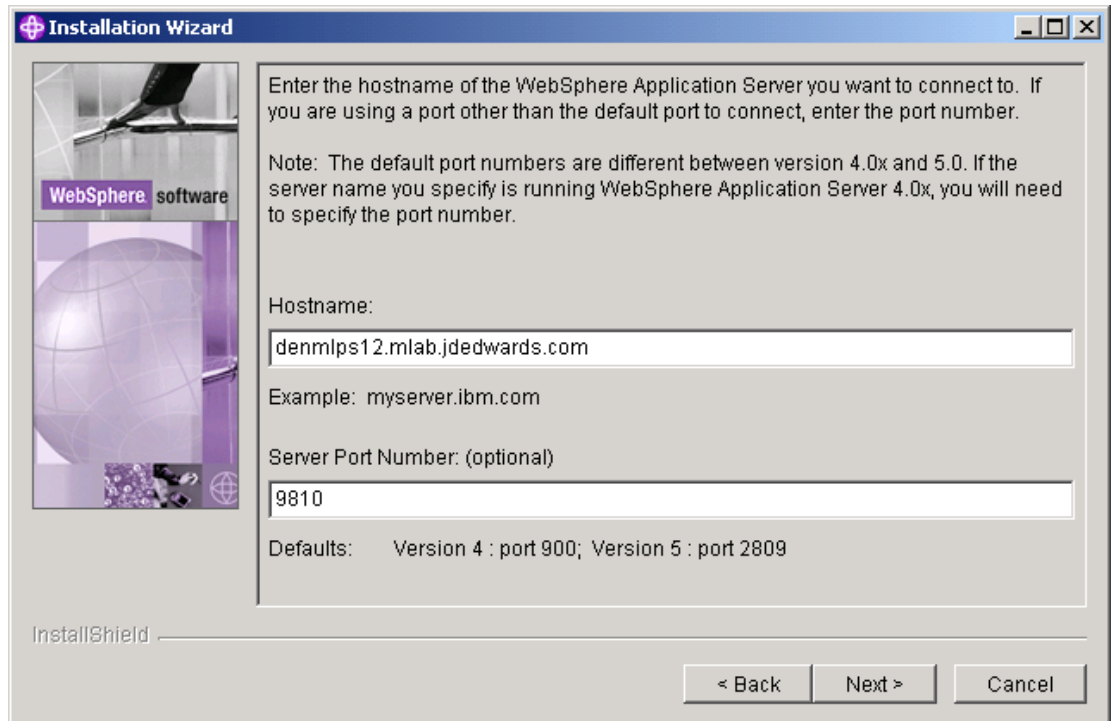
6. Leave the selection on **Typical** and click Next.



7. On "Install the samples development environment?", click No.



8. The installation path appears automatically. Click Next to continue.



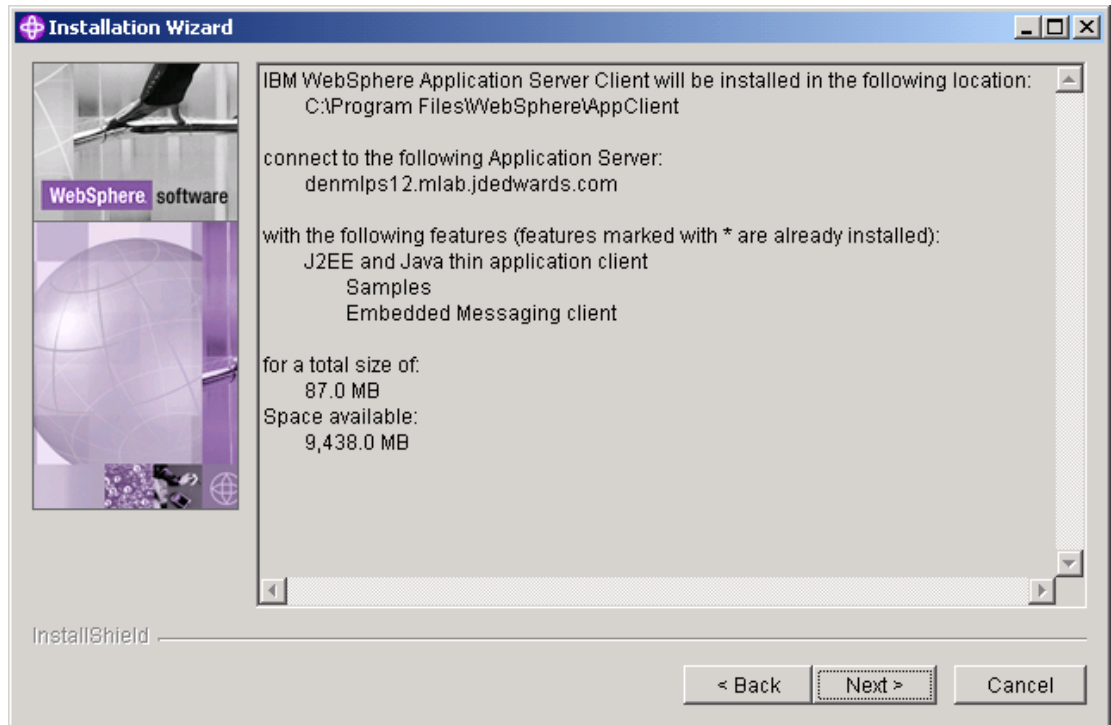
9. Enter the WebSphere Hostname as follows:

denmlps12.mlab.jdedwards.com

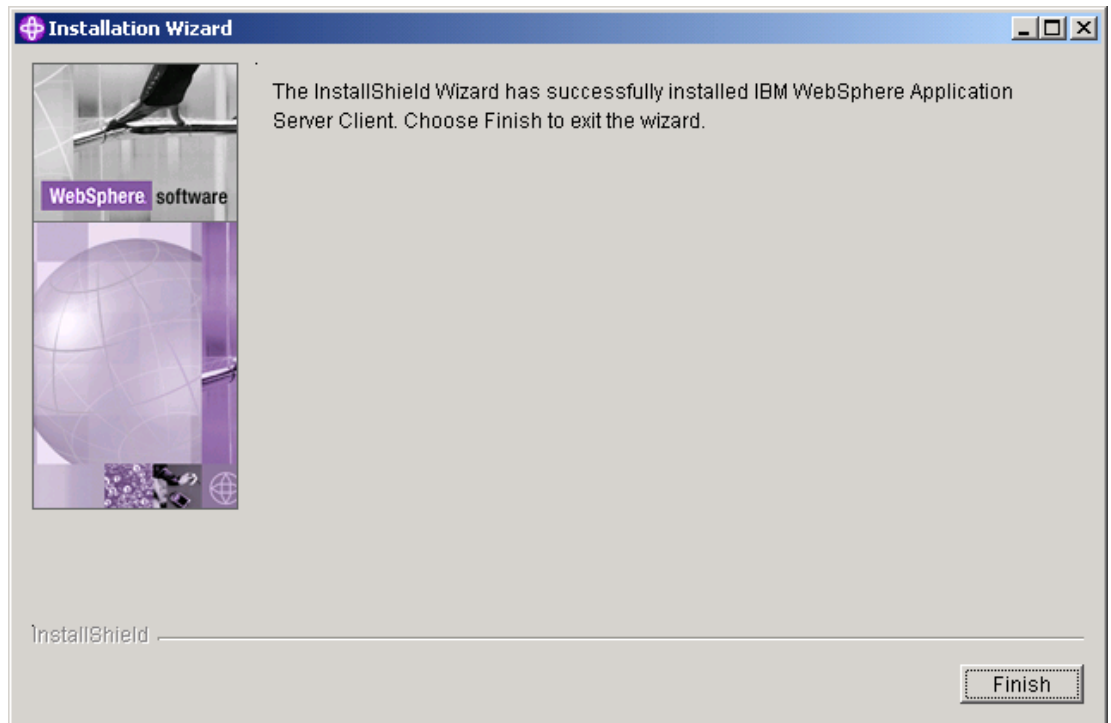
10. Enter the Server Port Number as follows:

9810

11. Click Next to continue.



12. The installation program provides information about the installation. Click Next to continue.



13. Click Finish to complete the installation.

► To install WebSphere Application Client 5.0.2 Update

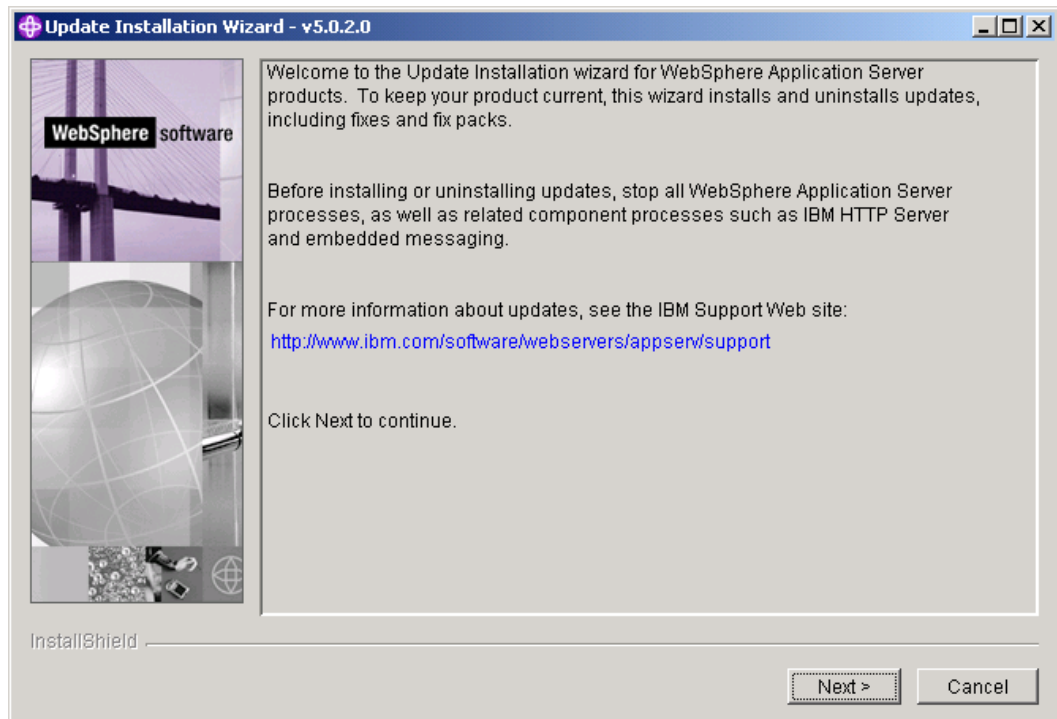
The WebSphere Application Client needs to be updated to the 5.0.2 version to connect to the WebSphere Server.

1. Download the FixPack 2 for Application Client.
2. Extract the archive file (was50_client_fp2_win.zip for Windows).
3. Run the updateWizard.bat file.

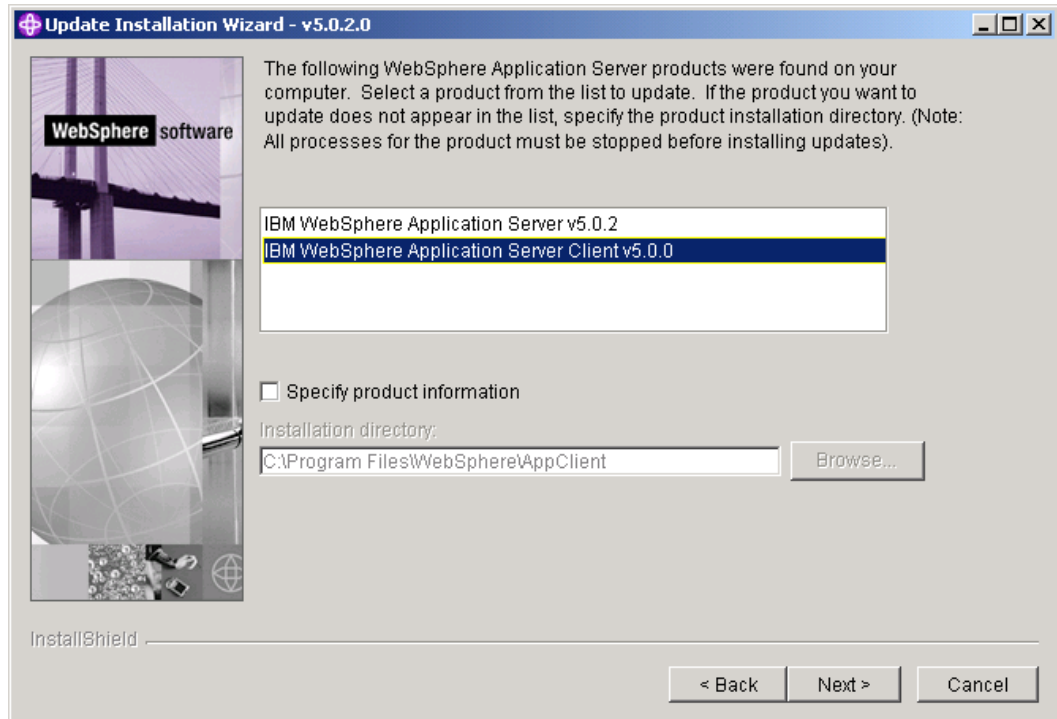
Give the batch file several seconds to launch. Depending on the system, it might need to extract a JVM from its install files.



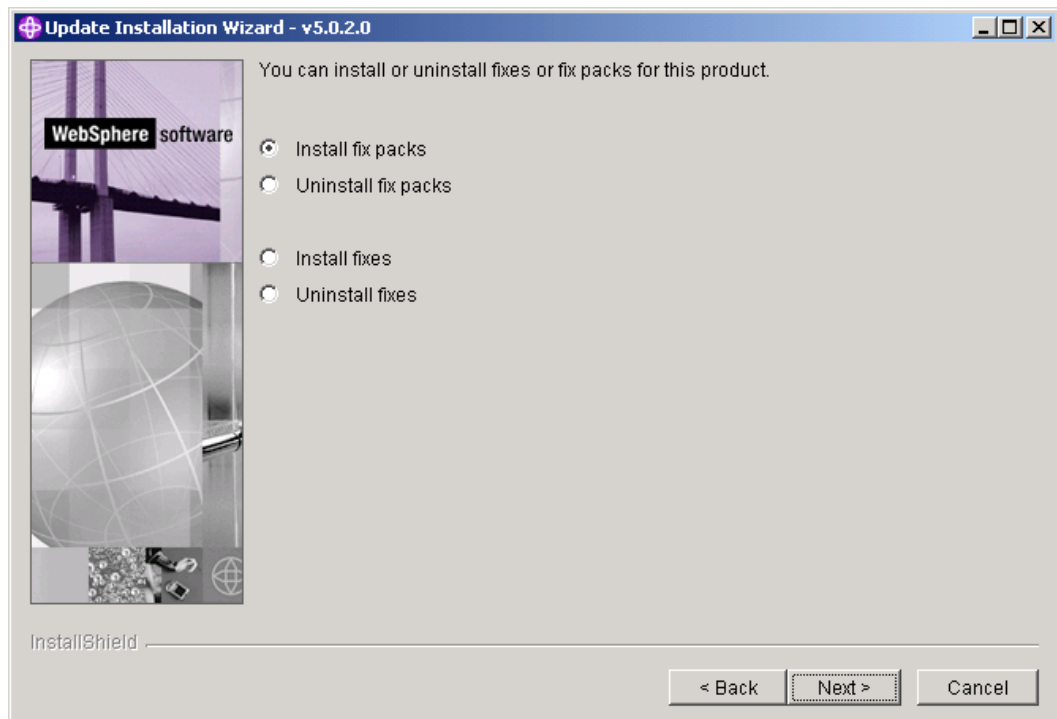
4. Select the appropriate language and then click OK.



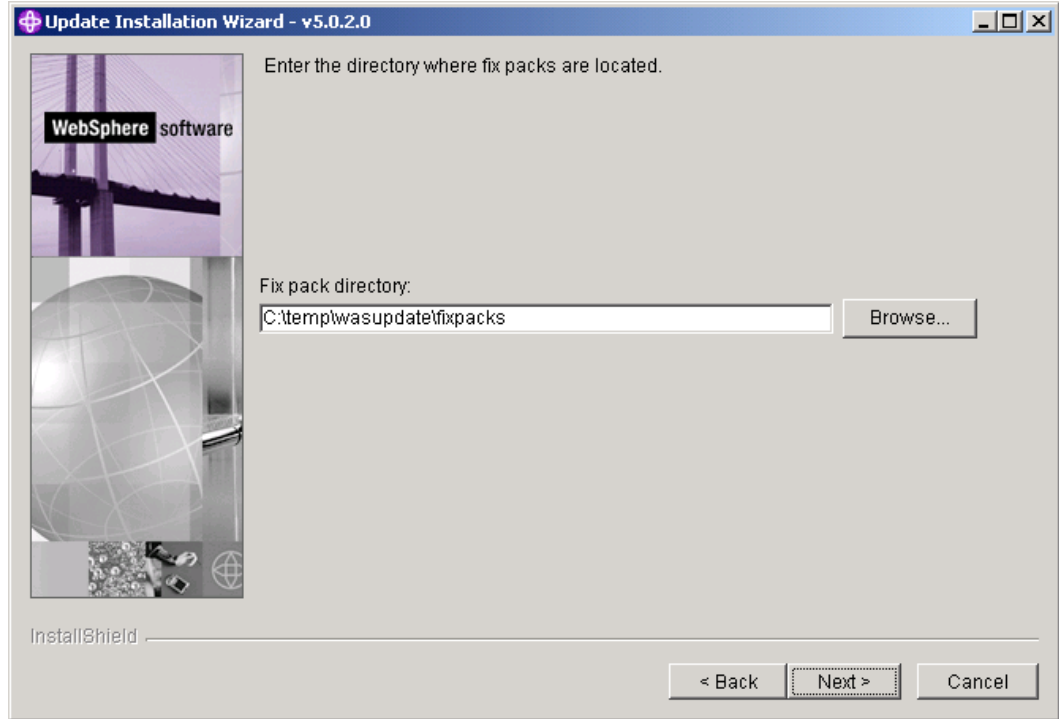
5. On the Welcome screen, click Next.



6. Make sure that you choose the “IBM WebSphere Application Server Client v5.0.0” option in the first dialog box, and then click Next to continue.



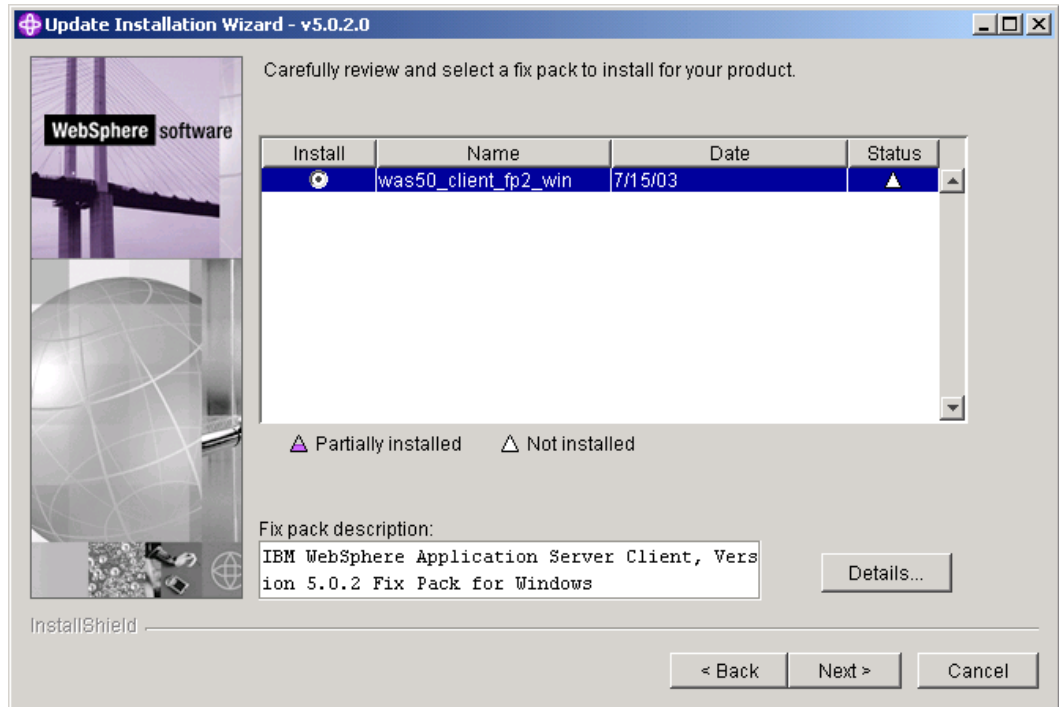
7. Make sure that you select the “Install fix packs” option and then click Next to continue.



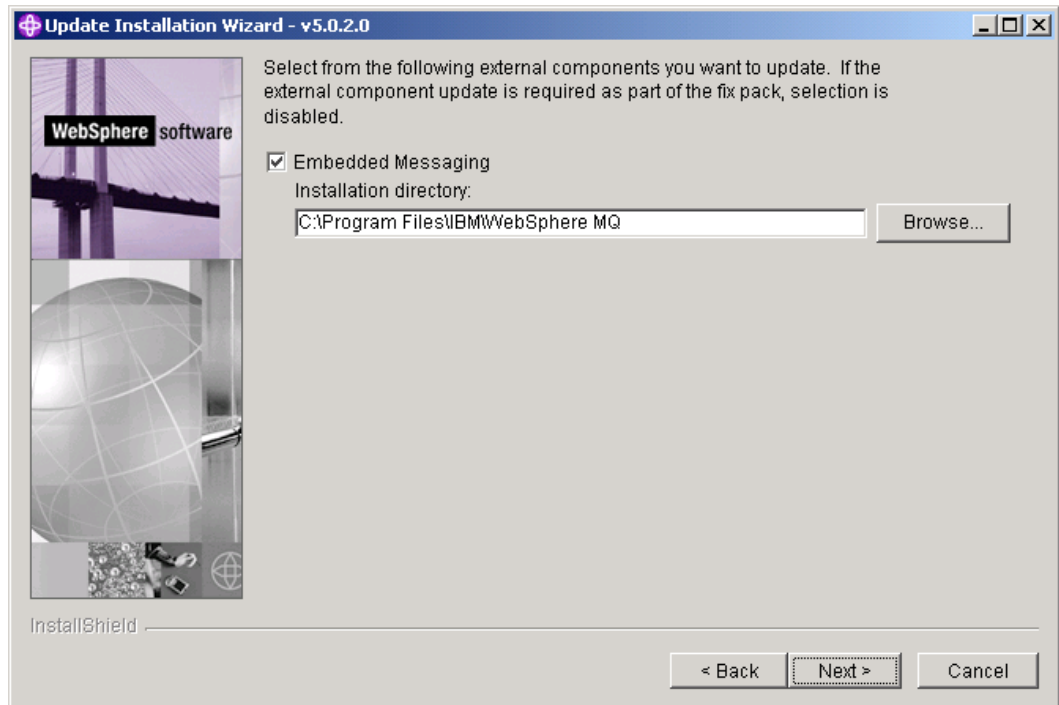
8. The installation program automatically displays the installation directory. Click Next to continue.



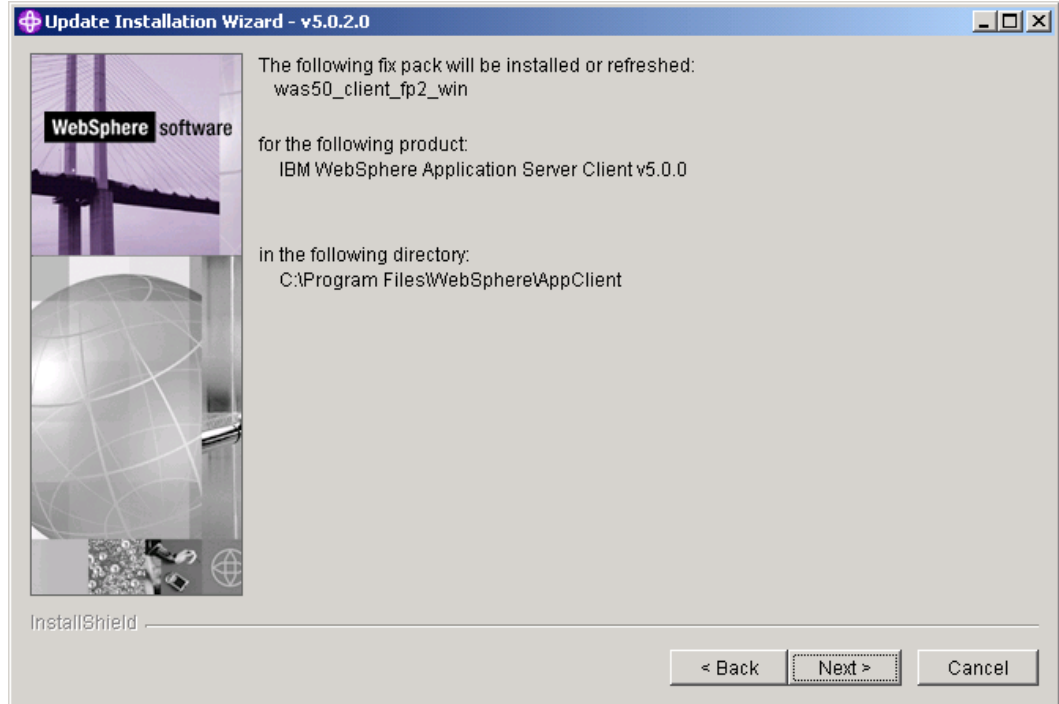
This screen will take several minutes. Please be patient.



9. Review the selection and then click Next.



10. Click Next.



11. Click Next.



12. Click Finish to complete the installation.

Appendix F: Updating the EnterpriseOne Adapter to Connect to EnterpriseOne Tools Release 8.95

Complete the following tasks in the order provided to update the EnterpriseOne adapter to connect to JD Edwards EnterpriseOne Tools Release 8.95.

- Stop the EnterpriseOne adapter connections.
- Back up the EnterpriseOne adapter inbound connection information.
- Save the EnterpriseOne adapter outbound connection information.
- Uninstall the existing EnterpriseOne adapter.
- Update the EnterpriseOne adapter.
- Restore the EnterpriseOne adapter inbound connection information.
- Reconfigure the outbound connections
- Reconfigure the listeners.

Stopping the EnterpriseOne Adapter Connection

Stop all EnterpriseOne adapter listeners and connections.

See *Step 5: Disabling an EnterpriseOne Adapter Connection* in this guide.

Backing Up the EnterpriseOne Adapter Inbound Connection Information

You can backup EnterpriseOne adapter inbound connection information by backing up individual inbound connection files or by backing up the entire EnterpriseOne adapter. Use one of the following procedures to backup your inbound connection information.

► To backup individual inbound connection files

1. Browse to this folder:
`<XPI Install older>\IntegrationServer\packages\PSFT_E1_Adapter\ns\connection\EnterpriseOne`
2. Copy the *node.ndf* file to a backup location.
Repeat this process for all inbound connections.

► To backup the entire EnterpriseOne adapter

Copy this directory to a backup location:

`<XPI Install older>\IntegrationServer\packages\PSFT_E1_Adapter`

Saving EnterpriseOne Adapter Outbound Connection Information

Note the values for the following outbound connection parameters:

- User Name
- Password
- Environment

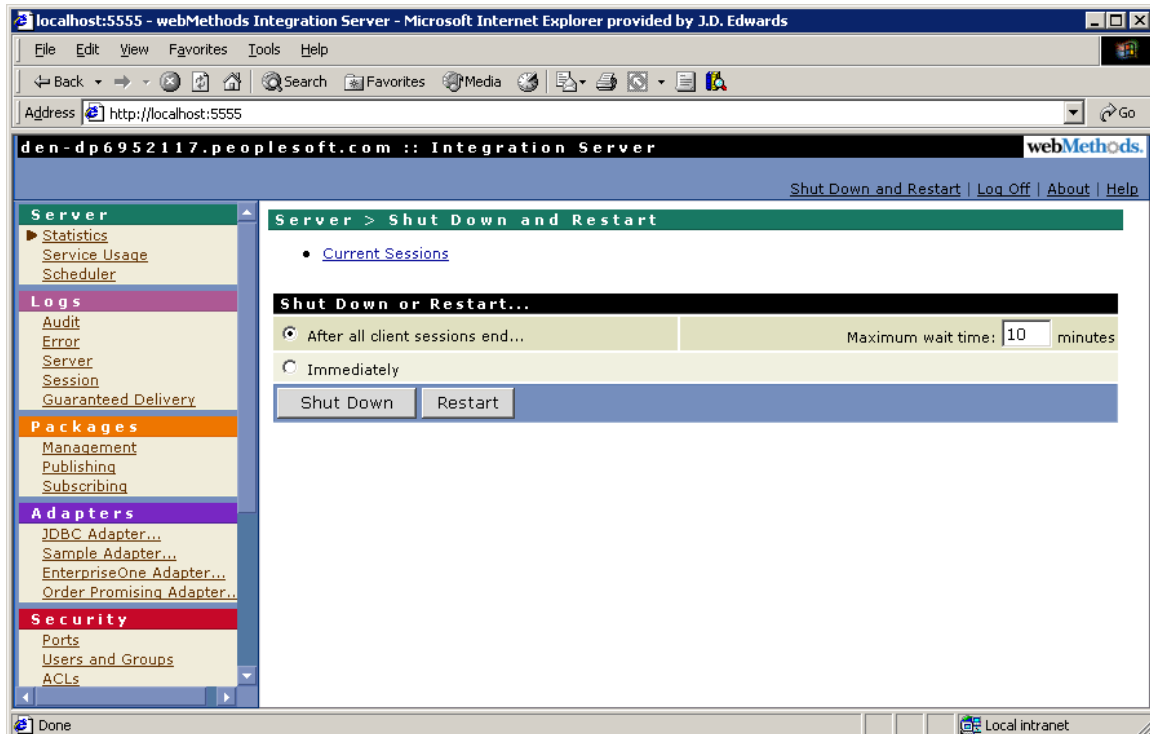
- E1 server
- E1 port
- WAS server

Uninstalling the Existing EnterpriseOne Adapter

After you backup inbound connection information and make a note of the values for the outbound connection paramter, you uninstall the existing EnterpriseOne adapter.

► To uninstall the existing EnterpriseOne adapter

1. From the Integration Server Admin Console, click the Management link under Packages.
2. Click the Safe Delete button for the PSFT-E1_Adapter package.
3. Click OK on the confirmation message.
4. Restart the Integration Server by clicking the Shutdown and Restart link from the Administrator.



5. Delete the PSFT_E1_Adapter folder if it exists in <XPI Install folder>\IntegrationServer\packages.

Updating the EnterpriseOne Adapter

Next, you update the EnterpriseOne Adapter from the 8.95 EnterpriseOne system.

► To update the EnterpriseOne adapter

1. Copy the EnterpriseOne adapter from the system/classes folder of the 8.95 EnterpriseOne system to <XPI Install folder>\IntegrationServer\replicate\inbound.

2. From the Integration Server Admin Console, click the Management link under Packages.
3. Click the Install Inbound Releases link.
4. Select PSFT_E1_Adapter.
5. Click Install Release.

Restoring the EnterpriseOne Adapter Inbound Connection Information

Next, you restore the EnterpriseOne adapter inbound connection information. Note that this is the inbound connection information that you previously copied to a backup location.

► To restore the EnterpriseOne adapter inbound connection information

1. Restore node.ndf from the backup location to these two directories:
<XPI Install folder>\IntegrationServer\packages\PSFT_E1_Adapter\ns\EnterpriseOne

<XPI Install folder>\IntegrationServer\packages\PSFT_E1_Adapter\ns\ERP8
2. Repeat this process for all of the inbound connections.
3. Restart the Integration Server.
4. Edit the EnterpriseOne connection and set values for these new properties:
 - Use Guaranteed Event System
 - Transaction Host Name
 - Transaction Host Port

Note:

The Transaction Host Name and Transaction Host Port are required for the Guaranteed Event System.

5. Start the connections.

Reconfiguring the Outbound Connections

After you restore the EnterpriseOne adapter inbound connection information, you configure the outbound connections, using the values that you previously noted.

► To reconfigure the outbound connections

1. Configure these outbound connection parameters:
 - User Name
 - Password
 - Environment
 - E1 server
 - E1 port
 - WAS server
2. For guaranteed events connections, specify the transaction server http listener port.

Reconfiguring the Listeners

Finally, you reconfigure the listeners. Listener reconfiguration is necessary due to changes in the outbound connection names.

► To reconfigure the listeners

1. From the EnterpriseOne Adapter connection page, click listeners.
2. Click each listener and update the EnterpriseOne adapter event connection it is using.
3. Start the listeners.