JD Edwards EnterpriseOne Tools

Server Manager Installation Guide

9.2

9.2

Part Number: F28511-08

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Preface

Welcome to the JD Edwards EnterpriseOne documentation.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://
www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info Or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

Related Information

For additional information about JD Edwards EnterpriseOne applications, features, content, and training, visit the JD Edwards EnterpriseOne pages on the JD Edwards Resource Library located at:

http://learnjde.com

Conventions

The following text conventions are used in this document:

Convention	Meaning
Bold	Boldface type indicates graphical user interface elements associated with an action or terms defined in text or the glossary.
Italics	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
Monospace	Monospace type indicates commands within a paragraph, URLs, code examples, text that appears on a screen, or text that you enter.
> Oracle by Example	Indicates a link to an Oracle by Example (OBE). OBEs provide hands-on, step- by-step instructions, including screen captures that guide you through a process using your own environment. Access to OBEs requires a valid Oracle account.





1 Working with the Server Manager Management Console

Understanding the Server Manager Management Console Installation, Upgrade, and Update

You can run the Server Manager Management Console installer for new installations. For Upgrade there are two methods: one is through Update and the other method is through the Manual Upgrade process. The Update process will update the Server Manager Console from the previous tools release to the latest version through the Server Manager Console. To upgrade older OC4J based Server Manager Consoles to release 9.2, you will need to follow the manual upgrade process.

Installation

Use this mode to install a new installation of the Management Console onto a machine on which the Server Manager Console has not previously been installed. This installation mode is described in the section of this guide entitled: *Install the Server Manager Management Console for JD Edwards EnterpriseOne Tools*

Update

Use the Server Manager Update feature to update an existing installation of the Server Manager Console. For instance, moving from a 9.1.x tools release to a 9.2.x tools release is considered to be an Update. The Update mode is described in the chapter of the *Server Manager Guide* entitled: *Update Server Manager*.

Upgrade

Since OC4J is discontinued in release 9.2, please follow the documentation in the next section (*Restoring existing OC4J Server Manager Console data onto a WebLogic/WebSphere Server Manager Console*) to manually upgrade from an older release to release 9.2.

Restoring existing OC4J Server Manager Console data onto a WebLogic/WebSphere Server Manager Console

Before You Begin Restoration

Before beginning the process of restoring the existing OC4J Server Manager Console data onto a WebLogic/WebSphere Server Manager Console, consider the following:

- The OC4J based Server Manager Console should be installed at z:\jde_home_oc4j.
- It is assumed that the WebLogic based Server Manager Console is installed to z:\w1ssmc on the Windows Platform and installed to /home/oracle/jde_home_w1ssmc on Linux and Solaris platforms.
- When moving files from Windows to Linux/Solaris it is necessary to FTP the files in ASCII mode for text files (for example.xml files ...etc) and to use BINARY mode for encrypted or binary files (for example, .xsml filesetc).



- While FTPing files from Windows to Linux/Solaris, the files should be FTPed using the same user account that was used to install the Server Manager Console and that will run the Server Manager Console (i.e oracle user).
- A WebSphere based Server Manager Console installation on the Windows Platform can be assumed to be z: \wassmc.
- Ensure that both the OC4J based and WebLogic/WebSphere based Server Manager Consoles are stopped before starting with the Restoration process.
- Ensure that you backup the files to a different location before overwriting the files as part of the restoration process.
- Ensure that the WebLogic/WebSphere Server Manager Console is started after the entire restoration activity is complete.

Managed Software Components

ORACLE JD Edwards Enterpri	seone server Manager		Coconercation and Subborc	signioux			
Management Dashlioard							
Select Instance_	Managed Software Components						
What do you want to do?	Components						
INSTALL Management. Agents Management. Agents Management. Agents Management Converses		ded the software components may be used to create new serve No file chosen	r instances.				
Server Nanader Uners Server Groups TRACK	Bydead W You may also add software components by manually copying the files to the following directory o	t the host machine running the management console: $\Xi(\lambda)d\mathbf{x}_{i}$	home_oc4j\SCPEC\components.				
User Activity	Managed EnterpriseOne Software Components			A Beturn To To			
Server Activity Table Cache	Shown below are all the software components that have been upbaded to the management console. You may distribute the software to connected managed homes.						
	Select [Software Component]: Distribute Delete						
WebSphere Admin Client Tasks	Select All Select None						
WebSahere Admin Client Jars	Description (1)	Software Type 👔	Applicable Platform(s)	Version 🗊			
	Agent Installer Bundle Version 7	Management Agent Installer Bundle	windows,cs400,aix,hpux,hpiat4,solaris,linux	7			
	EnterpriseOne Server Manager Management Console Version 9.1.5.7 08-28-2015_12_56	Management Console	windows, os400, aix, hpux, hpiati4, solaris, linux	9.1.5.7			
	EnterpriseOne RTE Server 9.2.0.1 09-04-2015_10_29	EnterpriseOne Transaction Server	windows,os400,aix,hpux,hpia64,solaris,linux	9.2.0.1			
	EnterpriseOne HTML Server 9.2.0.1 09-04-2015_10_22	EnterpriseOne HTML Server	windows,os400,aix,hpux,hpiat4,solaris,linux	9.2.0.1			
	EnterpriseOne Application Interface Services Server 9.2.0.1 09-04-2015_10_29	EnterpriseOne Application Interface Services	windows,co400,aix,hpux,hpiat/4,solaris,linux	9.2.0.1			
	EnterpriseOne Server Manager Management Console Version 9.2.0.1 09-04-2015_10_22	Management Console	windows,co400,aix,hpux,hpia64,solaris,linux	9.2.0.1			
	EnterpriseOne Deployment Server 9.2.0.1 09-04-2015_12_05	target.type.depserver	windows	9.2.0.1			

The Managed Software Components screen shows the list of managed software components in the z:\jde_home_oc4j \components directory.



ize 🔻 💽 Open	New folder			
Favorites	Name *	Date modified	Туре	Size
🔲 Desktop) temp	9/10/2015 10:03 PM	File folder	
bownloads	9.2.0.1.Release.DS.Win32_09-04-2015_12	9/4/2015 12:10 PM	Executable Jar File	1,158,752 KB
Recent Places	agentPackage7.jar	8/28/2015 1:45 AM	Executable Jar File	1,669,256 KB
Libraries	🔒 db2java.zip	9/10/2015 10:01 PM	Compressed (zippe	850 KB
Documents	📾 db2jcc.jar	9/10/2015 10:01 PM	Executable Jar File	3,073 KB
J Music	db2jcc_license_cu.jar	9/10/2015 10:01 PM	Executable Jar File	1 KB
Pictures	📾 db2jcc4.jar	9/10/2015 10:02 PM	Executable Jar File	3,236 KB
🛃 Videos	E1_AISServer_9.2.0.1_09-04-2015_10_29.jar	9/4/2015 10:29 AM	Executable Jar File	9,741 KB
	E1_HTMLServer_9.2.0.1_09-04-2015_10_22	9/4/2015 10:22 AM	Executable Jar File	83,254 KB
Computer	E1_ServerManagerConsole_9.2.0.1_09-04-2	9/4/2015 10:23 AM	Executable Jar File	37,458 KB
Network	E1_TransactionServer_9.2.0.1_09-04-2015	9/4/2015 10:30 AM	Executable Jar File	33,308 KB
	届 於400.jar	9/10/2015 10:03 PM	Executable Jar File	4,530 KB
	画]t40016.jar	9/10/2015 10:03 PM	Executable Jar File	4,530 KB
	i ojdbc5.jar	9/10/2015 9:59 PM	Executable Jar File	2,047 KB
	📓 ojdbc6.jar	9/10/2015 9:59 PM	Executable Jar File	2,651 KB
	sm_mgmtconsole_InstalledVersion.jar	9/8/2015 10:57 PM	Executable Jar File	38,306 KB
	📾 sqljdbc.jar	9/10/2015 10:00 PM	Executable Jar File	506 KB
	sqljdbc4.jar	9/10/2015 10:00 PM	Executable Jar File	525 KB

The managed software components need to be copied over to the z:\wlssmc\components directory.

② Documentation and Support

Sign Out

Database Drivers (JDBC Drivers)

ORACLE	JD Edwards	EnterpriseOne	Server	Manager
--------	------------	---------------	--------	---------

anagement Dashboard							
Select Instance V	JDBC Drivers						
What do you want to do? INSTALL > Management Agents > Manage Software > Database Univers	Oracle 10a.00K.1.41 Oracle 11a.00K.1.53 Oracle 10a.00K.1.43 Oracle 11a.00K.1.53 Oracle 11a.00K.1.43 Oracle 11a.00K.1.43 Oracle 11a.00K.1.43 Oracle 11a.00K.1.43 Oracle 11a.00K.1.43	.5/30K 1.6) V IBM DB2 - iSeries	(XDK 1.6)		2.UD8 Type-4 (JDK 1.4/JDK 1.5) (
CONFIGURE	+ Oracle 10g (JDK 1.4)				A Return To		
Server Manager Users Server Groups	Oracle 11g (JDK 1.5)				A Return To		
TRACK User Activity Server Activity Table Cache	A 200C driver has been successfully uploaded for this database type. It may be installed to the application servers/Data Access Servers/Data Access Drivers within the management domain. Servers Utilizing Driver Select [32E Server]: Install Driver Uninstall Driver Select [32E Server]: Install Driver Uninstall Driver						
	Managed Home	Instance Name	J2EE Application Server		Status		
	DENPBDS11.oradev.oraclecorp.com 2:(jde_home_1\SCFHA	WL51035	Oracle WebLogic Instance: WLS1035, Domain: E	One, Cluster: Cluster1	Installed		
	DENPROS11.oradev.oradecorp.com Z:\jde_home_1\SCFHA	WL51035	Oracle WebLogic Instance: WLS1035, Domain: E	One, Cluster: Cluster1	Installed		
	The available J2EE servers may not be listed for an applied bata Access Servers Utilizing Driver	cation server that is not currently run	ning.				
	Select [Data Access Server]: Install Driver	Uninstall Driver					
	Select All Select None						
	Managed Home	remine an application server and the	Instance Name	Status			
	EOne Data Access Driver Utilizing Driver	Contract of the second s	ar an o manana angana anang i				
	Select [Data Access Driver]: Install Driver	Ininstall Driver					

The Database Drivers screen shows the list of managed software components in the z:\jde_home_oc4j\components directory.

nize 🔻 📜 Open	New folder			
Favorites	Name ^	Date modified	Туре	Size
Desktop	🕌 temp	9/10/2015 10:03 PM	File folder	
👃 Downloads	9.2.0.1.Release.DS.Win32_09-04-2015_12	9/4/2015 12:10 PM	Executable Jar File	1,158,752 KB
Recent Places	agentPackage7.jar	8/28/2015 1:45 AM	Executable Jar File	1,669,256 KB
Libraries	📑 db2java.zip	9/10/2015 10:01 PM	Compressed (zippe	850 KB
Documents	📓 db2jcc.jar	9/10/2015 10:01 PM	Executable Jar File	3,073 KB
Music	db2jcc_license_cu.jar	9/10/2015 10:01 PM	Executable Jar File	1 KB
Pictures	📓 db2jcc4.jar	9/10/2015 10:02 PM	Executable Jar File	3,236 KB
Videos	E1_AISServer_9.2.0.1_09-04-2015_10_29.jar	9/4/2015 10:29 AM	Executable Jar File	9,741 KB
	E1_HTMLServer_9.2.0.1_09-04-2015_10_22	9/4/2015 10:22 AM	Executable Jar File	83,254 KB
Computer	E1_ServerManagerConsole_9.2.0.1_09-04-2	9/4/2015 10:23 AM	Executable Jar File	37,458 KB
Network	E1_TransactionServer_9.2.0.1_09-04-2015	9/4/2015 10:30 AM	Executable Jar File	33,308 KB
	📓 jt400.jar	9/10/2015 10:03 PM	Executable Jar File	4,530 KB
	📓 jt40016.jar	9/10/2015 10:03 PM	Executable Jar File	4,530 KB
	i ojdbc5.jar	9/10/2015 9:59 PM	Executable Jar File	2,047 KB
	📓 ojdbc6.jar	9/10/2015 9:59 PM	Executable Jar File	2,651 KB
	sm_mgmtconsole_InstalledVersion.jar	9/8/2015 10:57 PM	Executable Jar File	38,306 KB
	📓 sqljdbc.jar	9/10/2015 10:00 PM	Executable Jar File	506 KB
	📧 sqljdbc4.jar	9/10/2015 10:00 PM	Executable Jar File	525 KB

The Database Driver files need to be copied over to the z:\wlssmc\components directory.

Server Manager Users

DRACLE' JD Edwards EnterpriseOn	ne Serve	r Manager	() Documentatio	n and Support	Sign	
agement Dashboard > DENPEDS11 oradev practecorp.co						
Select Instance •	Serve	er Manager Use	rs			
What do you want to do?	Other	Groups @Manager	nent Console Users			
INSTALL			ons that may be performed within the Server Manager management conscile by authorized EnterpriseOne users.			
Management Agents		erver Manager User				
Manage Software Database Drivers	Specify	the security server nat	and XCRET port to use when authenticating EnterpriseOne users to the management console. By the XRB Database Configuration settings under the "home" indiance to complete this step.			
CONFIGURE + Server Manager Users			Primary Security Server () dengsn2.us.oracle.com			
Server Groups			Outgoing JOINET Port () 6056			
TRACK			Concepting And in Frank 2019		Sa	
Construction C						
	- 0	ser Groups			🔗 Return To	
User Management Tasks	Create	user groups to define it	ogical sets of activities a user should be allowed to perform. Once created you may add individual users to the created groups.			
User Access Report	Sele	st [User Group]	Create User Group Delete User Group			
jde_admin Password	Sele	st.All Select.None				
Use this form to change the password for the jde_admin	1 🗖	User Group Name	User Group Description	Users Belonging to User Group	Granted Permissions	
user.			to consider a second Research and a second second block and the second second second second based by a distance Research			
		console_user	Any user who successfully authenticates and posses this role may utilize the management consile. If a user does not have this role they will not be permitted to access any of the management consile pages.	 jde_admin SRSRSRIN SR810 	No permissione have be assigned.	
3d Password		console_admin	Any user who successfully authenticates and poses this role may utilize the management conside. If a user does not have this role they will not be permitted to access any of the management conside pages. This role is equivalent to having all permissions granted to a user. The jde_admin user will always have this role assigned. This permission permits to delete the console log files.	 SRSRSRIN 	assigned.	
DBF. DBI Password New Password Verify New Password		console_admin	permitted to access any of the management console pages. This role is equivalent to having all permissions granted to a user. The jde_admin user will always have this role assigned. This permission permits to delete the console log files.	 SRSRSRIN SV810 	No permissions have bee	

The Server Manager Users screen shows all of the information related to the Security Server configuration for the Server Manager Console, User Groups and Server Manager Console Users.



iii config Gov III Z:\jde_home_oc4)\SCFMC\targets\home\config									
Organize 🔻 Include in libra	ary 🔻 Share with 👻 New folder								
🔆 Favorites	Name *	Date modified	Туре	Size					
🧮 Desktop	퉬 default	9/8/2015 10:58 PM	File folder						
Downloads	鷆 negative	9/10/2015 11:58 PM	File folder						
🔛 Recent Places	鷆 positive	9/10/2015 11:52 PM	File folder						
🥽 Libraries	🐑 jas.ini	9/10/2015 10:04 PM	Configuration settings	1 KB					
Documents	🗿 jdbj.ini	9/10/2015 9:55 PM	Configuration settings	1 KB					
J Music	jdelog.properties	9/8/2015 10:58 PM	PROPERTIES File	1 KB					
Pictures	log-viewer-favorites.sxml	9/10/2015 9:50 PM	SXML File	1 KB					
🚼 Videos	server-groups.sxml	9/10/2015 11:58 PM	SXML File	1 KB					
🖳 Computer	thshames.ora	9/10/2015 9:50 PM	ORA File	1 KB					

All of the information is contained in files within the z:\jde_home_oc4j\scfMc\targets\home\config directory (also contained is information about Log File Viewer Favorites Configuration, which is the configuration necessary for importing EnterpriseOne Users into Server Manager Console).

The entire z:\jde_home_oc4j\scfMc\targets\home\config directory contents should be copied over to the z:\wlssmc\scfMc \targets\home\config directory.

The Restoration Process

home	ne_oc4j\SCFMC\targets\home			
	New folder			
🚖 Favorites	Name *	Date modified	Туре	Size
📃 Desktop	🍌 config	9/10/2015 11:58 PM	File folder	
Downloads	퉬 logs	9/10/2015 9:43 PM	File folder	
🔛 Recent Places	management-console.xml	9/10/2015 9:58 PM	XML File	2 KB
🧱 Libraries	monitors.xml	9/11/2015 12:17 AM	XML File	5 KB
Documents	scf-history.xml	9/10/2015 11:58 PM	XML File	40 KB
J Music	security-realm.sxml	9/10/2015 11:51 PM	SXML File	34 KB
📔 Pictures 📷 Videos				

In order to restore:

- The connected Management Agents and Managed Targets information
- Monitors
- Audit History
- The jde_admin user's password

it is necessary to copy:

- management-console.xml
- monitors.xml
- scf-history.xml
- security-realm.sxml

from the $z:\jde_home_oc4j\scfmc\targets\home\ directory\ to\ the\ z:\wlssmc\scfmc\targets\home\ directory.$



<mark> data</mark>								
☆ Favorites	Name ^	Date modified	Туре	Size				
🧮 Desktop	index.xml	9/10/2015 9:55 PM	XML File	1 KB				
Downloads	remote_notifications_1441774686846.sxml	9/8/2015 11:16 PM	SXML File	1 KB				
🔛 Recent Places	remote_notifications_1441942520158.sxml	9/10/2015 9:50 PM	SXML File	2 KB				
Libraries	remote_notifications_1441943708170.sxml	9/11/2015 1:13 AM	SXML File	2 KB				

In order to restore the Remote Notification information, it is necessary to copy the contents of the $z:\jde_home_oc4j$ \scfmc\data directory onto $z:\wlssmc\cdata$ by overwriting the existing files.

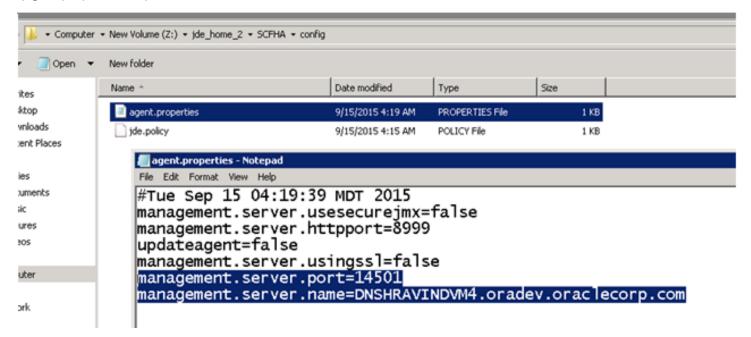
🕌 config					
🕞 🔾 🗢 🚺 🗸 Computer	New Volume (Z:) wlssmc SCFMC confi	ig			
Organize 👻 🧻 Open 💌	New folder				
☆ Favorites	Name *	Date modified	Туре	Size	
Desktop Downloads Recent Places	agent.properties	9/11/2015 1:39 AM	PROPERTIES File	1 KB	
Libraries Documents Music Pictures Videos	Ele Edit Format View Hel #Tue Sep 08 23 management.ser management.ser management.ser	<pre>> > 32:57 MDT 201 ver.usesecurej ver.port=14501</pre>	mx=false	.oraclec	orp.com
: Computer					

In the z:\wlssmc\scfMc\config\agent.properties file it is also necessary to ensure following line is present:

management.server.usesecurejmx=false

After the restoration activity is complete, restart (or start) the WebLogic/WebSphere based Server Manager Console.

If there is a change in the Server Manager Console hostname (that is, if the Server Manager Console is installed onto a different machine) or if there is a change in the JMX Port of the Server Manager Console (default 14501), then it is necessary to update the agent.properties file of all the connected Server Manager Agents (located at \$SCFHA\config \agent.properties file). Refer to the screenshot below:



Matrix of Supported Application Servers, JDKs, and Platforms for JD Edwards EnterpriseOne Tools

The following table shows the matrix of supported application servers and platforms onto which the JD Edwards EnterpriseOne Server Manager Console can be installed and run on JD Edwards EnterpriseOne. Refer to Oracle Certifications for JD Edwards EnterpriseOne for details on determining the supported release levels for each product and platform.

Application Server and JDK	Platform	Notes
Oracle WebLogic Server with Oracle JDK	 Windows Server 2012 Windows Server 2012 R2 64-bit only Oracle Linux & Red Hat Linux x86 64-bit only Oracle Solaris SPARC x86 not supported 	Requires the pre-installation of WebLogic Server. Unique installers are available per supported platform.



Application Server and JDK	Platform	Notes
	64-bit only	
IBM WebSphere Application Server IBM JDK	Windows Server 2012 Windows Server 2012 R2 64-bit only	Requires the pre-installation of the Websphere Application Server. The IBM AIX and iSeries platform are not supported.

Understanding the Installation, Upgrade, and Update Strategy for JD Edwards EnterpriseOne Tools for Release 9.2

This section describes the installation, upgrade, and update strategy for JD Edwards EnterpriseOne Tools Release 9.2 Update. The strategy shown in the following table is based on the matrix of supported application servers and platforms described in the preceding section of this guide entitled: *Matrix of Supported Application Servers, JDKs, and Platforms for JD Edwards EnterpriseOne Tools*.

Note:

An **Upgrade** is applicable to major releases, such as upgrading from Release 8.98 to Release 9.1. An Upgrade is performed using an installer program.

An **Update** is applicable to revisions within a major release. For example: from Release 9.1.2.1 to Release 9.1.2.2. An Update is performed from within the Server Manager Console itself.

Platform	Application Server	Current Release	Upgrade Release	Update Release	Notes
Windows	OC4J	8.97 through 8.98.4x	9.1.x	n/a	Must Upgrade using the Release 9.1 Update x installer (Upgrade Mode). Future updates possible using standard Update functionality.
Windows	OC4J	9.1.x	n/a	9.2.x	Must Update using existing standard self-update functionality.
Windows Linux Solaris	WebLogic	91.2	91.x	9.2.x	For a WebLogic server, you must perform a fresh install using the Release 9.2 installer. Future Updates possible using standard Update functionality. There is no Upgrade from one platform or application server to another.



Platform	Application Server	Current Release	Upgrade Release	Update Release	Notes
Windows	WebSphere	91.2	91.x	9.2.x	For a WebSphere server, you must perform a fresh install using the Release 9.2 installer. Future updates possible using standard Update functionality. There is no Upgrade from one platform or application server to another.

Update Center Components for JD Edwards EnterpriseOne Tools

To verify the support of the matrix of products where the Server Manager Console can be installed and run (as described in the previous section entitled: *Matrix of Supported Application Servers, JDKs, and Platforms for JD Edwards EnterpriseOne Tools*), the following components are available for download from the JD Edwards EnterpriseOne Update Center:

- Server Manager Console Installer 9.2 for Microsoft Windows (the same installer is used for all supported application servers)
- Server Manager Console Installer 9.2 for Linux
- Server Manager Console Installer 9.2 for Solaris
- Server Manager Console Update 9.2 (the same installer is used for all supported platforms)

Obtain and Extract the Server Manager Management Console for JD Edwards EnterpriseOne Tools

To obtain the Server Manager code from Oracle web sites, you have two choices:

• Oracle JD Edwards Update Center (see Step 3)

This method is the recommended method to obtain the most current version tied to a specific JD Edwards EnterpriseOne Tools Release.

• Oracle Software Delivery (see Step 4)

This method is only recommended if you want to obtain the version tied to a major initial release of a major Tools Release, like 9.2.2. and 9.2.3. This site does not contain versions for any other subsequent "dot" releases such as 9.2.3.2 and 9.2.2.3.

1. Create a temporary installation directory on the machine where you want to install the Server Manager Console.

Microsoft Windows



Log on to the Microsoft Windows-based machine onto which you are installing the Server Manager Management Console as a user with Administrator rights. The recommended machine is the JD Edwards EnterpriseOne Deployment Server.

Linux or Solaris

Log on to your Linux or Solaris server.

2. Create a temporary installation directory in any preferred location. The recommend directory is:

Microsoft Windows

C:\SM_Console

Linux or Solaris

/u01/SM_Console



3. Update Center

Access the Oracle JD Edwards EnterpriseOne Update Center at this link:

https://updatecenter.oracle.com/apps/WebSearch/updatecenter.jsp

For **Type** criteria, use the drop-down menu to select: **EnterpriseOne Tools Releases**

For **Search** criteria, choose your JD Edwards EnterpriseOne release and click the Search button. From the displayed list, locate the corresponding Server Manager component for your release and platform.

Note: If you choose to search for only the Server Manager component, the search criteria for **Search for Name** is exactly this case-dependent string: *Server-Manager*

For example, the search criteria might look like this:

earch	
Туре	
EnterpriseOne Tools Releases	~
Release	
All EOne 9.2x Releases V	
Platform	
Linux V	
Search for Name	
Server-Manager	
BUG	
*	
Object	
*	
Description (*text*)	
*	
License Agreement ①	



4. Oracle Software Delivery Cloud

a. Using your Customer ID credentials, sign in to the Oracle Software Delivery Cloud site at this link:

https://edelivery.oracle.com

b. Use this search criteria:

JD Edwards EnterpriseOne Tools

c. In the returned results, choose this selection

JD Edwards EnterpriseOne Core Tools and Infrastructure <tools release version>

- d. Click the item or click the +Add to Cart button next to the item to add it to the cart.
- e. In the upper right hand section, click the <u>Checkout</u> link.
- f. In the list of Selected Software, deselect all items except this one:

JD Edwards EnterpriseOne Core Tools and Infrastructure <tools release version>

- g. In the Platforms/Languages column, use the pull-down to select your platform.
- h. Click the **Continue** button.
- i. After reviewing the license agreement, click the button to accept the terms and click the **Continue** button.
- j. Deselect all items except for the Server Manager Installer for the platform you selected. For example, if you selected Linux x86-64, the selection will be in a format similar to this:

V980115-01.zip JD Edwards EnterpriseOne 9.2.3.0 Server Manager Installer Linux, 310.1 MB

Note: Do not select the Server Manager Update. This is a package intended for users changing the major level version of Server Manager. For example, from Tools Release 9.1 to 9.2.

- k. Click the **Download** button and follow the prompts to download the installer.
- 1. After you finish downloading your item, use your preferred unzip program to extract the contents of the first two downloaded files to the temporary installation directory that you created in Step 2. If you followed the recommendation:

Microsoft Windows

C:\SM_Console

Note: Extract Option. When extracting, be sure to click in the check box to enable this option: **Use folder names**

Linux or Solaris

/u01/SM_Console

m. The example below illustrates the directory structure when the .zip files are extracted into the example temporary installation directory:

Microsoft Windows

C:\SM_Console -----\Disk1 -----\install -----\stage -----\Disk2



-----\stage

CAUTION: Ensure that the Disk1 and Disk2 directories are present directly under the SM_Console directory.

Linux or Solaris (see Note below)

```
/SM_Console
-----/Disk1
-----/install
-----/stage
-----/Disk2
-----/stage
```

CAUTION: Ensure that the Disk1 and Disk2 directories are present directly under the SM_Console directory. Note that the Disk2 directory will be present in the unzipped structure even though only one image was downloaded.

The following screen shows an example of the disk structure for the extracted .par file for the Solaris version of the Management Console installer:

Name	Date modified	Туре	Size
3 Disk1	8/3/2018 1:26 AM	File folder	
🕌 Disk2	6/14/2018 10:56 AM	File folder	
JA META-INF	8/3/2018 1:26 AM	File folder	
9.2.2.5-Server-Manager-Part1_06_50.html	6/14/2018 1:36 PM	HTML Document	458 KB
9.2.2.5-Server-Manager-Part2_06_50.html	6/14/2018 1:37 PM	HTML Document	458 KB
🕋 manifest.xml	6/14/2018 1:37 PM	XML Document	609 KB
🔮 udc.xml	6/14/2018 1:36 PM	XML Document	10 KB

Install the Server Manager Management Console for JD Edwards EnterpriseOne Tools

This section assumes this is a new installation of the Server Manager Management Console. The standard procedure after installing the Management Console is to obtain the software components for the agents, deploy the agent installer to the target machine, and run the agent installer on the target machine. It is very important that the version of Server Manager Console uses the same corresponding versions of the agents.

This section describes these topics:

• Implementing Security for JMX



- Installing the Management Console on WebLogic Server
- Installing the Management Console on WebSphere Application Server
- Troubleshoot the Management Console Installation

Implementing Security for JMX

The Server Manager Management Console uses the Java Management Extension (JMX) protocol to communicate with deployed Server Manager agents through a socket connection. A new installation of EnterpriseOne Tools 9.2 automatically includes an additional layer of security for JMX. However, if you are upgrading Server Manager to EnterpriseOne Tools Release 9.2, you must manually implement the additional security for JMX after performing the upgrade.

Note: If you are upgrading Server Manager to EnterpriseOne Tools Release 9.2, you must also upgrade any existing agents for your managed instance to the same release as your Server Manager Console prior to enabling JMX security. Otherwise, existing agents will not be able to communicate with the Server Manager Console with JMX security enabled.

JMX Security and Server Manager Install and Configuration

JMX Security is enabled as part of the 9.2+ Server Manager installer for both console and agents on all supported platforms.

The configuration changes added by the Server Manager installer are:

Server Manager Console agent.properties:

management.server.usesecurejmx=true

Server Manager Agent agent.properties:

management.server.usesecurejmx=true

management.server.usingssl=<Installer code will add true if Admin confirms that Server Manager is using HTTPS in the Server Manager Agent install wizard>

management.server.httpport=<Installer code will add Server Manager HTTP(S) port number based on what Admin
provides in the Server Manager Agent install wizard>

JMX Security and Managed EnterpriseOne Target Servers

You will have to deploy 9.2+ tools code in Server Manager managed EnterpriseOne servers (Enterprise Server, HTML Server, AIS Server, RTE Server, BSSV Server, DAD driver, Deployment Server) and restart the managed server.

For a WAS and WLS cluster you will have to deploy 9.2+ tools code in Server Manager managed EnterpriseOne web targets (HTML Server, AIS Server, RTE Server) which will configure the web.xml with a secure JMX setting and restart the managed server.

JMX Security and Server Manager Upgrade to 9.2+ Tools Release

If you are updating Server Manager to EnterpriseOne Tools Release 9.2, you must manually implement the additional security for JMX after performing the update by updating the agent.properties file for the console and all agents connected to the Server Manager Console.



To enable JMX Security for the Server Manager Console:

- 1. Navigate to the agent.properties file in the base folder for the Server Manager Console. Typically, this might be named:
- C:\jde_home_1\SCFMC\config\agent.properties
- 2. Edit the agent.properties file for the console and add the following new setting:
- management.server.usesecurejmx=true
- 3. Restart the Server Manager Console.

To enable JMX Security for the Server Manager Agents:

1. Navigate to the agent.properties file in the base folder for the Server Manager agent.

Typically, this might be named:

C:\jde_home_2\SCFHA\config\agent.properties.

- 2. Edit the agent.properties file for the agent and add the following new settings:
 - a. management.server.usesecurejmx=true
 - b. management.server.usingssl=<This should be set to true if the Server Manager console URL is using HTTPS, otherwise set it to false>
 - C. management.server.httpport=<This should be set to the correct HTTP(S) port number for the Server
 Manager Console URL>
- 3. Restart the Server Manager agent.
- **4.** Repeat these steps for each Server Manager agent connected to the Server Manager Console.

After enabling JMX Security for the Server Manager Console and Agents:

- Restart the Server Manager managed EnterpriseOne servers (Enterprise Server, HTML Server, AIS Server, RTE Server, BSSV Server, DAD driver, Deployment Server) to finalize enabling JMX Security and to publish runtime metrics.
- 2. For the WebSphere Application Server and the WebLogic Server cluster, you will have to deploy new EnterpriseOne managed code (HTML Server, AIS Server, RTE Server) which will configure the web.xml with secure JMX settings.
- **3.** Restart the Managed Server to work with Server Manager with JMX Security enabled and publish runtime metrics.

JMX Security and Server Manager Upgrade to 9.2+ Tools Release and WLS Fix for ManagementLoginModule_JAR.jar

- 1. Update the Server Manager Console to 9.2.x Tools release from pre 9.2 Tools release.
- 2. STOP the AdminServer and all the Managed Server(s) within the Domain, before applying this fix.
- **3.** GET the ManagementLoginModule_JAR.jar from below location:

<SM Install location>\stage\ManagementConsole_WAR.ear\ManagementConsole_WAR.war\WEB-INF\lib \ManagementLoginModule_JAR.jar

4. COPY the ManagementLoginModule_JAR.jar, copied from the above location into the locations listed below:

<SM Install location>\lib\ManagementLoginModule_JAR.jar

<WLS Install location>\user_projects\domains\E1Tools\lib\ManagementLoginModule_JAR.jar
5. DELETE the contents of the .tmp directory

<WLS Install location>\user_projects\domains\E1Tools\servers\SMC_Server_EOne_Console\tmp_WL_user



6. START the AdminServer. The Managed Server(s) within the Domain can also be started.

JMX Security and JMX clients

The JDE Application pack (12.1.0.3) for Enterprise Manager is modified in the 9.2 tools release to support both secure JMX and non-secure JMX Server Manager for server manager discovery and to collect configuration and runtime metrics for EnterpriseOne targets from Server Manager.

The JDE Concurrent Licensing Monitor tools are modified in the 9.2 tools release to support both the secure JMX and non-secure JMX Server Manager in order to collect configuration and runtime data from the Server Manager or licensing team.

Note: There is no configuration change required to work with secure JMX Server Manager.

JMX Security and pre 9.2 Managed EnterpriseOne Target Servers

If you are using a pre 9.2 (9.1.5.x, 9.1.4.x,...) tools release for managed target servers but are using a 9.2+ Server Manager where secure JMX is enabled by default using the new 9.2+ Server Manager installer, or you have manually enabled secure JMX security after upgrading the Server Manager code to 9.2+, Runtime metrics will NOT work for pre 9.2 managed target servers.

You should be able to work with configuration, log files, start/stop servers and change code on pre 9.2 managed servers with secure JMX enabled in 9.2 + Server Manager.

Installing the Management Console on WebLogic Server

You can install the Server Manager Console on WebLogic Server on Microsoft Windows, Linux, or Solaris platforms.

See Also

Refer to these sites for additional information about configuring and using Oracle WebLogic Server:

• JD Edwards EnterpriseOne HTML Server on Oracle WebLogic Server Reference Guide for UNIX

https://docs.oracle.com/cd/E61420_01/doc.92/e55829.pdf

Oracle WebLogic Server 10.3.5 Documentation Home

http://docs.oracle.com/cd/E21764_01/wls.htm

- Oracle Fusion Middleware Documentation (for all supported releases of Oracle WebLogic Server)
 https://docs.oracle.com/en/middleware/middleware.html
- Node Manager Overview Documentation Home

http://docs.oracle.com/cd/E13222_01/wls/docs81/adminguide/nodemgr.html

http://docs.oracle.com/middleware/1212/wls/NODEM/overview.htm



This section discusses these topics:

- Prerequisites for WebLogic Server
- Running the WebLogic Server Installer for the Server Manager Console
- Verifying the Server Manager Console Installation on WebLogic Server
- Enable SSL for Server Manager Console on the WebLogic Server
- Obtain and Install CA Certificates in Oracle WebLogic Server
- Import Server Manager Console Certificate into the Server Manager Agent Truststore/Keystore
- Import the Server Manager Console Certificate into All Java Installations That Are Used by Embedded Agents
- Troubleshooting the Server Manager Console Installation on WebLogic Server

Prerequisites for WebLogic Server

Ensure the following prerequisites are met prior to running the Server Manager Console installer:

 The Server Manager Console installer must be run with the same user who installed and is running WebLogic server. The user running the Server Manager Console installer should have read/write access to the directories pointed by TEMP and TMP Environment Variables. The TEMP and TMP Environment Variables must be configured to point to valid paths.

Note: Linux/Solaris Platforms. The paths pointed to by TEMP and TMP environment variables should refer to the same mount point where the WebLogic Server is installed and where the Server Manager Console is to be installed. For example, the mount point might be /uo1. If the variable points to a different mount point the Server Manager Console installation may fail with this message: permission denied on scf.properties file.

- The machine on which the Server Manager Console will be installed must have adequate disk space to perform the installation.
- You must create a new and separate WebLogic Server Domain in which you will install the Server Manager Console.
- If there are other managed servers in the Domain in which you are attempting to install the Server Manager Console they must be in a STOPPED state at the time of installation. Only the AdminServer of the domain and the nodemanager associated with the domain should be running at the time of installation (see troubleshooting 5.6.2.4).
- The Server Manager Console cannot be installed into a WebLogic Server Domain where a JD Edwards EnterpriseOne BSSV Instance/Server is already installed. Conversely, a JD Edwards EnterpriseOne BSSV Instance/Server cannot subsequently be installed into the same WebLogic domain where you install the Server Manager Console.
- The nodemanager logical *machine name* must be known to the administrator performing the installation. This is necessary because the installer requires this value as an input. It is important to note that this value must be the logical nodemanager machine name, which is not necessarily the physical server name.
- The nodemanager.properties file used by the nodemanager must have this value set to true (the default value is false):

StartScriptEnabled=true

Note that you must restart the nodemanager in order for any changed values to take effect. The nodemanager.properties file is typically located at this location:

Microsoft Windows



WebLogic Server 11g

C:\Oracle\Middleware\wlserver_10.3\common\nodemanager\nodemanager.properties

WebLogic Server 12c

C:\Oracle\Middleware\Oracle_Home\user_projects\domains\<domain_name>\nodemanager\nodemanager.properties

WebLogic Server 14c

C:\Oracle\Middleware\Oracle_Home\user_projects\domains\<domain_name>\nodemanager\nodemanager.properties

Linux and Solaris

WebLogic Server 11g

/u01/Oracle/Middleware/Oracle_Home/wlserver_10.3/common/nodemanager/nodemanager.properties

WebLogic Server 12c

/u01/Oracle/Middleware/Oracle_Home/user_projects/domains/<domain_name>/nodemanager/ nodemanager.properties

WebLogic Server 14c

/u01/Oracle/Middleware/Oracle_Home/user_projects/domains/<domain_name>/nodemanager/ nodemanager.properties

There must be a valid nodemanager associated with the WebLogic Domain into which the Server Manager Console will be installed as described below:

Microsoft Windows

Ensure the nodemanager is running as a Microsoft Windows service or using the startNodeManager.cmd program started from the command prompt.

Linux and Solaris

Ensure the nodemanager is started by using the startNodeManager.sh Command.

 You can also stop Node Manager using stopNodeManager.sh (for UNIX) and stopNodeManager.cmd (for Windows) under:

<ORACLE_ HOME>\user_projects\domains<domain_name\bin\

Other ways to stop Node Manager are as follows:

Microsoft Windows

Stopping the Windows service or by killing the nodemanager process.

Linux and Solaris

Killing the nodemanager process using this command:

- kill -9 <pid of nodemanager process>
- Verify that the nodemanager is reachable to the AdminServer using this process:

- a. Login into WebLogic Server AdminServer console.
- **b.** Go to the Environment > Machines tab and select the nodemanager machine to which the Domain is registered.
- c. Go to the Monitoring tab and verify that **Reachable** is displayed. This value indicates that a valid nodemanager is configured with the WebLogic Server Domain and that it is running.
- An AdminServer must be associated with the WebLogic Domain into which the Server Manager Console is to be installed and it must be running at the time of installation.
- The administrator performing the installation must know the AdminServer http/t3 port number and the Hostname/IP Address on which the AdminServer is listening for http/t3 connections. You can find this value from the AdminServer logs or must be known because this value is configured when WebLogic is installed. Currently the https/t3s protocols are not supported for installing Server Manager Console software.
- The administrator performing the installation will be prompted to input the path to the WebLogic Server directory during the install. The typical values are:

Microsoft Windows

WebLogic Server 11g

C:\Oracle\Middleware\wlserver_10.3

WebLogic Server 12c

C:\Oracle\Middleware\Oracle_Home\wlserver

WebLogic Server 14c

C:\Oracle\Middleware\Oracle_Home\wlserver

Linux and Solaris

WebLogic Server 11g

/u01/Oracle/Middleware/Oracle_Home/wlserver_10.3

WebLogic Server 12c

/u01/Oracle/Middleware/wlserver

WebLogic Server 14c

/u01/Oracle/Middleware/wlserver

• The administrator performing the installation will be prompted to input the Listen port of the AdminServer, the admin userid and password of the AdminServer.



• At the time of the Server Manager Console installation, the AdminServer cannot not be locked for editing. You can confirm this by determining if the "Lock & Edit" button is enabled in the WebLogic Admin Console.

As a double-check, you can verify that no file named edit.lok exists in the Domain directory. If the file exists, you should delete it. The typical location is:

Microsoft Windows

C:\Oracle\Middleware\user_projects\domains\E1Apps\edit.lok

Linux and Solaris

/u01/Oracle/Middleware/user_projects/domains/E1Apps/edit.lok

- The hosts file must have the entry for localhost (loopback).
- The hosts file should have an entry for the correct IP Address of the machine mapping to the appropriate hostname of the machine.

Microsoft Windows

C:\Windows\System32\drivers\etc\hosts

Linux and Solaris

/etc/hosts

- The hostname of the machine should not map to the IP Address 127.0.0.1, because that IP address is typically used for localhost.
- The AdminServer must not have any particular Listen Address configured and it must be left blank. A blank setting specifies that it will listen for connection on all IP addresses available on the machine.

Running the WebLogic Server Installer for the Server Manager Console

To install the Server Manager Console:

- 1. Log on to the machine onto which you are installing the Server Manager Management Console as a user with privileges as described in the preceding section of this guide entitled: *Prerequisites for WebLogic Server*.
- 2. Change to the directory in which you extracted the Server Manager Console installer as described in the previous section of this chapter entitled: *Obtain and Extract the Server Manager Management Console for JD Edwards EnterpriseOne Tools*.

3. Depending on your Tools release, launch the OUI installer according to these notes:

Note:

- JDK/JRE:
 - For Tools Release 9.2.2.0 and later: A 64-bit JDK or JRE, version 1.8 or later must be installed before starting the Server Manager Console installer.
 - **For Tools Releases prior to 9.2.2.0:** A JDK is included in the installer. Therefore, a separate JDK is not required.
- Redistributables:
 - For Tools Release 9.2.9 and later: No Microsoft Visual Studio Redistributables are required prior to running the Server Manager Console installer. However, you may need to install Microsoft Visual Studio Redistributables for EnterpriseOne to run. Refer to the JD Edwards EnterpriseOne Certifications for more information.
 - For Tools Release 9.2.3.3 and later: Microsoft Visual Studio 2017 and 2013 64-bit Redistributables must be installed prior to running the Server Manager Console installer.
 - For Tools Releases prior to 9.2.3.3: Microsoft Visual Studio 2010 32-bit Redistributables must be installed prior to running the Server Manager Console installer.

Note: One of the following requirements must be met:

- **For Tools Release 9.2.3.3 and Greater:** You must specify the location of the JDK or JRE on the command line. If the location is not specified, the installer will fail immediately.
- **For Tools Release 9.2.2.0 up to but not including 9.2.3.3:** You can specify the location of the JDK or JRE on the command line. If the location is not specified, you will be prompted for it.
- **For Tools Releases prior to 9.2.2.0:** Because a JDK is included in the installer, you will not be prompted for one.

Microsoft Windows

To specify the location of a JDK or JRE on the command line:

- a. Open a Windows Command window with Run as administrator.
- **b.** Change directory (cd) to the directory in which you unzipped the installer. For example, if you followed the recommendation in *Obtain and Extract the Server Manager Management Console for JD Edwards EnterpriseOne Tools* the command would be:

cd C:\SM_Agent\Disk1\install

c. Use this command to run setup.exe followed by the argument -jreloc and the directory to the JDK or JRE:

setup.exe -jreLoc C:\PROGRA~1\Java\JRE18~1.0_1



Note: Regarding the above command:

- Include a space after the -jreloc argument.
- The path to the JDK or JRE must be of the Windows short form, which is 8 + 3 format.
- The specified JDK or JRE directory must contain this directory and executable:

bin\java.exe

To skip specifying the location of a JDK or JRE on the command line:

Do one of the following:

- a. Follow the instructions above to run from a Windows Command window but without the -jreloc argument.
- b. In Windows Explorer, right-click on setup.exe in the directory in which you unzipped the installer and select Run As Administrator. For example, if you followed the recommendation in Obtain and Extract the Server Manager Management Console for JD Edwards EnterpriseOne Tools the file will be located in this directory:

C:\SM_Agent\Disk1\install\setup.exe

The Windows Command window starts indicating Windows is preparing to launch the Oracle Universal Installer for the Server Manager Management Console.

Linux or Solaris

To specify the location of a JDK or JRE on the command line:

a. Execute runInstaller from the directory in which you unzipped the installer. For example, if you followed the recommendation in Section 3.5, "Obtain and Extract the Server Manager Management Console for JD



Edwards EnterpriseOne Tools," the file will be as below. Follow runInstaller with -jreLoc and the directory to the JDK or JRE:

./SM_Console/Disk1/install/runInstaller -jreLoc /u01/jre1.8.191

Note: Regarding the above command:

- Include a space after the -jreloc argument.
- The specified JDK or JRE directory must contain this directory and executable:

bin\java

To skip specifying the location of a JDK or JRE on the command line:

a. Execute runInstaller from the directory in which you unzipped the installer. For example, if you followed the recommendation in *Obtain and Extract the Server Manager Management Console for JD Edwards EnterpriseOne Tools*, the file will be:

./SM_Console/Disk1/install/runInstaller

All Platforms

The Oracle Universal Installer (OUI) Wizard begins to initialize and prepare the JVM for the JD Edwards EnterpriseOne Management Console installer. This may take a few minutes to completely initialize. When the

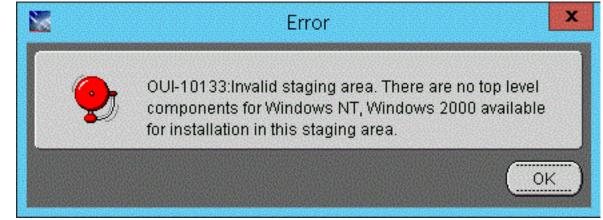


initialization is complete, a new and separate JD Edwards EnterpriseOne Management Console installer window is displayed.

Tools Release 9.2.2.0 up to but not including 9.2.3.3. If you did not specify the location of a JDK or JRE via the -jreLoc argument, the installer prompts you to specify the location of that at a command prompt.

```
$ ./runInstaller
Starting Oracle Universal Installer...
Preparing to launch Oracle Universal Installer from /tmp/OraInstall2017-08-15_09-16-20AM. Please wait ...
Please specify JRE/JDK location ( Ex. /home/jre ), <location>/bin/java should exist :
```

Note: For the 9.2.2.0 installer, as the installer runs, it will fail if the JDK/JRE is not at least Version 1.8. Upon failure it displays the following error:



After the installer validates existence of the JDK in the specified location, the OUI installer user interface appears. All further installer behavior remains the same as previous Tools Releases.



racle Universal Instal				
RACLE' JD Edw	ards EnterpriseOne			
Velcome				
he Oracle Universa racle products.	l Installer guides yo	u through the ins	tallation and configuration of yo	ur
lick "Installed Produ	ucts" to see all ins	talled products.		
			Deinstall Products	
			About Orosio Liniusroal Ind	ollor
			About Qracle Universal Inst	aller.
Help	stalled Products	Back	Next (nstall (

4. On the Welcome screen, click the **Next** button.

😹 Oracle Universal Installer: Specify Home Details	_ 🗆 🗡
ORACLE JD Edwards EnterpriseOne	
One sife Hama Details	
Specify Home Details	
Destination	
	the product
Enter or select a name for the installation and the full path where you want to install t Name: Fone, ManagementConsole1	
Path: C:\jde_home_1	I Bro <u>w</u> se…)
	Product Languages)
Help Installed Products Back Next	Install Cancel



- **5.** On Specify Home Details, complete these fields:
 - Name

Enter a unique name of the Management Console. The default value is:

EOne_ManagementConsole

Note: If there is an existing installation of the Management Console with the default name, the installer will append the default name with a number to make it unique. For example, EOne_ManagementConsole1.

• Path

Enter the drive and directory where you want the files installed on your Management Console. The JD Edwards EnterpriseOne Management Console installer automatically detects the root drive location on the machine and by default appends this value:

jde_home

Note: Although jde_home is the default and recommended setting, you can specify any value to replace the default value. If there is an existing installation of the Management Console the default name will be appended with an underscore and a number. For example, JDE_HOME_1.

CAUTION: You cannot specify a directory that already exists.



6. Click the **Next** button.

	aller: Enter Admin Password				_ 🗆 🗙
ORACLE' JD Ed	wards EnterpriseOne				
Enter Admin	Password				
Enter Admin	1 4354014				
Enter password for ac	imin user.				
Password:	*****				
Confirm Password:					
Commit assessed.					
Help	Installed Products	Back	Next	Instali	Cancel
			,		



7. On Enter Admin Password, enter and confirm the password for the jde_admin user.

Note: The user name itself cannot be changed from jde_admin. The password must be at least eight (8) characters in length and cannot contain space or blank character values. Values are alphanumeric and these special characters: ! @ # \$ _. At least one (1) special character is required in the password.

Note: The default value for the user named jde_admin is automatically populated by the Management Console installer and cannot be altered. This is the administrative user account that is associated with the Management Console.

CAUTION: Because there is no programmatic way to retrieve a lost or forgotten password, it is critical that you remember and safeguard this password. If the password is forgotten or lost, the only recovery is a complete reinstallation of Server Manager. If you reinstall the Management Console and specify the JMX port the original installation was configured to use, you will retain all your managed homes and associated instances along with the configuration of those instances. However, you will lose this data:

- Console configuration, which includes database information entered using the Setup Wizard and information regarding security server(s) used to authenticate users.
- User Configuration, which are the added JD Edwards EnterpriseOne users and defined user groups, including their permissions.
- Server Groups and associated template configurations.
- Defined monitors and their associated monitor history.



8. Click the Next button.

📉 Oracle Universal Installer: Enter Port Number	_ 🗆 🗙
ORACLE JD Edwards EnterpriseOne	
Enter Port Number	
Enter the port number to be used by the Server Manager Console.	
Management Console HTTP Port. 8999	
You must ensure that the port number is not used by any other application. No validation is done on the number entered.	port
	ancel



9. On Enter Port Number, complete this field:

• Management Console HTTP Port

Enter valid unused port number for use by the Management Console.

The default value is 8999.

CAUTION: This port number must be available and cannot be in use by any other application on this machine. Since the installer cannot validate the port, you must be certain that these conditions are met or else the Management Console will not start.

If there is insufficient disk space to complete the installation on the Management Console target machine, the installer displays an error message.



📉 Oracle Universal Installer: Select Application Server 👘				_ 🗆 🗙
ORACLE' JD Edwards EnterpriseOne				
Select Application Server				
Choose an Application Server type.				
@ WLS				
Oracle Weblogic Application Server				
0.000				
CWAS				
IBM Websphere Application Server				
Help Installed Products	Back	<u>N</u> ext	Install	Cancel

Note: If using Oracle Enterprise Linux, the above screen will not appear. The selection will default to WLS.

10. On Select Application Server, select this radio button:

WLS

Oracle WebLogic Application Server

11. Click the **Next** button.

Oracle Universal Installer: Enter Information for Weblogic server					
Enter Information f	or Weblogic server				
Enter informations for Weblogic	server				
Install Directory	C:\Oracle\Middleware\wlserver_10.3				
Host/IP	shravind-idc.peoplesoft.com				
Node Manager Machine Name	mymachine1				
Domain Port	7001				
Admin User Name	weblogic				
Admin User Password	******				
Enter preper values, no validation	a is done on these values				
Enter proper values, no validation					
	Back Rev instant				



12. On Enter Information for WebLogic Server, complete the following fields:

• Install Directory

Enter the path to the WebLogic installation directory. For example:

Microsoft

WebLogic Server 11g

C:\Oracle\Middleware\wlserver_10.3

WebLogic Server 12c

C:\Oracle\Middleware\Oracle_Home\wlserver

WebLogic Server 14c

C:\Oracle\Middleware\Oracle_Home\wlserver

Linux and Solaris

WebLogic Server 11g

/u01/Oracle/Middleware/wlserver_10.3

WebLogic Server 12c

/u01/Oracle/Middleware/Oracle_Home/wlserver

WebLogic Server 14c

/u01/Oracle/Middleware/Oracle_Home/wlserver

Host/IP

Enter the hostname or the IP Address at which the WebLogic Admin Server is listening for http/t3 connections. This is usually the hostname/IP Address of the physical machine. For example:

<machine name>us.example.com

Node Manager Machine Name

The nodemanager machine name is not necessarily the physical machine name, but it can be the same. This is the logical name of the nodemanager machine as displayed in the WebLogic Admin Console.

• Domain Port

Enter the port number on which WebLogic AdminServer is listening for http/t3 connections. This value is configured when you created the WebLogic Domain.

Admin User Name

Enter the user name of the WebLogic Server admin account.

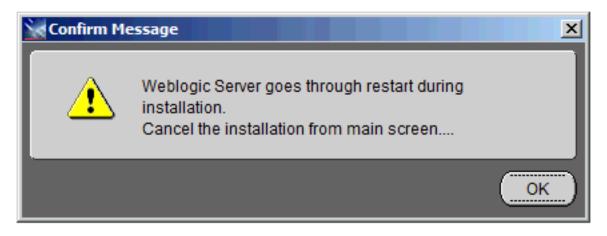
• Admin User Password

Enter the password for the WebLogic Server admin account.



CAUTION: The values on this form must be confirmed manually. You must validate or update, as appropriate, all configuration items. If you enter invalid values, you will have to re-run the installer with the correct values.

13. Click the **Next** button.





14. A popup dialog is displayed with the message that the AdminServer will be restarted during the installation. Click **OK** to continue or click **Cancel** in the next Summary panel to abort the installation if you do not wish to have the AdminServer restarted at this time.

Sum	mary	
	wards Server Manager Management Console 9.1.2.0.0	
Ģ-Glob	al Settings	
-s	Source: G:\stage\Disk1\stage\products.xml	
-0)racle Home: G:\jde_home_5 (EOne_ManagementConsole5)	
	nstallation Type: Custom	
∲-Proc	luct Languages	
LE	inglish	
∲-Spa	ce Requirements	
	Chequired 1.78GB : Available 3.84GB	
Lo	A Required 1.29GB (includes 1.29GB temporary) : Available 38.23GB	
⊖-New	Installations (5 products)	
-11	nstaller SDK Component 11.2.0.2.0	
-J	D Edwards Server Manager Management Console 9.1.2.0.0	
-0	Dracle One-Off Patch Installer 11.2.0.0.2	
	Iroala Universal Installer 11.2.0.2.0	



15. On Summary, verify your selections and click the **Install** button to begin the installation.

🕍 Oracle Universal Installer: Install	
ORACLE JD Edwards EnterpriseOne	
Install	
Installing JD Edwards Server Manager Management Console 1.0.0.0.0	
🎽 Copying files for 'JD Edwards Server Manager Management Console 1.0.0.0.0 '	
Setup pending	
Configuration pending	
copying 'jdk.zip'	
18%	
Stop installation	
You can find the log of this install session at: C:\Program Files (x86)\Oracle\Inventory\logs\installActions2011-10-18_02-15-14PM.log	
Help Installed Products Back Next Install	Cancel

The Install progress screen is displayed. Note that this screen displays the location of the log of this installation. For example:

C:\Program Files (x86)\Oracle\Inventory\logs\installActions2011-10-18-02-15-14PM.log

🗽 Oracle Universal Installer: End of Ins			_ 🗆 ×
ORACLE JD Edwards Enterp	riseOne		
End of Installation			
End of instanation			
The installation of JD Edward successful.	is Server Manager Mai	nagement Console was	
Please remember			
Read Readme.txt in c:\jde_hom You can find the log of this insta C:\Program Files (x86)\Oracle\li log	all at:	ns2011-10-18_01-36-34PM	
Help Installed Produ	icts Back	Next (install	Exit

16. On End of Installation, verify the installation was successful. The "Please remember ..." section also provides the installation log location.

17. Click **Exit** to exit the Oracle Universal Installer for the Server Manager Management Console.



18. On the Exit dialog, click the **Yes** button.

Verifying the Server Manager Console Installation on WebLogic Server

To verify the Server Manager Console Installation on WebLogic Server:

1. Verify the jmxremote_optional.jar and ManagementLogonModule_JAR.jar files are in this directory:

Microsoft Windows %DomainDir%\lib Linux or Solaris

\$DomainDir/lib



2. Go to the WebLogic Admin Server console and navigate to Environment > Servers. Verify that the Server Manager Console installer created a a new J2EE Server and that the state of that server is RUNNING. The following screen shows an example.

Summary of Servers - E3Apps - WLS Conv	As - Wiedows Internet Englaner					
🗿 🕢 🕈 🖉 🗠 strandsk pestecho	en 720 (Landard					
🚖 🛄 Internet Diplorer Gallery 🧮 Gample Scr	an far Weldghe 🚺 Supported Stats 🔹 🛞 Weld State Gallery 🍨 🕢 Harpensolik					
ORACLE WebLogic Server*	Administration Console			<u> </u>		
Change Center	💼 Home Lap Gut Preferences 🔛 Factori Help			Welcome, well-logic Connected to: ELApp		
Were changes and restarts	Rome schunney of Server Schunney of Deployments scheenbeary of Benever					
Click the Lock & Edit faulton to modify, add or delete terms in the domain.	Summary of Servers					
Look & East	Configuration Control					
Reference Configuration	Use this page to change the state of the servers in this WebLagic Server domain. Control operations on Hanaged	Servers require starting the Node Hamager. Starting Hanag	ed Servers in Standby mode requires	the dumain-wide administration port.		
Domain Struchare	0					
Dage .	4					
Servers	© Cardomize this table					
Outwo White York	Servers (Filtered - Hore Columns Exist)					
Highstable Targets Otherance Sanara	[Bird] Henney] [Support a] [Buttern a] [Restart 03a]			Shaving 1 to 3 of 3 Previous Next		
- Coherena Outlets - Machines	T Server in	Machine	Mate	Status of Last Action		
-Wolt Hanapara Starbup and Shubdown Classes	C Admittative(admit)		RUNNING	Name		
Depkyments	C 46,6,600	loahot	SH/TDOWN	Nove		
Security Security 1	E SHC_Seve_blow_Hanagement/onsok0_Conste	lacebox	RUNNING	TASK COMPLETED		
How do I	peri serene inches i fermenti fermeteri			Stowing (to) of) Previous Next		
 Start and stop servers 						

3. Go to Deployments and verify that the Server Manager Console is installed. The following screen shows an example.

ORACLE WebLogic Server*	Administration Console			<u>o</u>			
Change Conter	🔹 Home Log Out Preferences 🔛 Facult Help			Welcome, weblagic Connected for ELAppr			
View changes and restarts	None informary of bevers informary of Deployments informary of bevers information of Deployments						
Click the Luck & Edit button to modify, add or delete items in the dunain.	Summary of Deployments						
Lock & Ealt	Cashod Hontoria						
Release Configuration	This page displays a flat of 2xes ET applications and stand-alone application modules that have been installed to this domain. Sustalled application modules that have been installed to this domain. Sustalled application	tons and modules can be started, st	appet, updated (redeployed), or deleted from the do	man by first selecting the application name and			
Domain Structure							
Estees	To install a new application or module for deployment to targets in this domain, click the Install button.						
Onarownert -Seners -Outers -Wital Hado -Hoppitalin Tarpets	ja Contonezze this table: Deglopments						
- Caherance Servers - Caherance Clusters	[sons] [lpner] [lner] [lner] [lner]			Showing 1 to 2 of 2 Previous Next			
- Machines - stark Managers	C Name A	State Health	Type	Deployment Order			
Startup and Shutdown Classes	C 8.750, 8,000	Nex	Enterprise Application	100			
S Services +	C R (Store Research Consta	Adve 🕈 OK	Onterprise Application	100			
How do L.	(reading to press provide the provide stands) and a Colorest 2 of 2			Showing 1 to 2 of 2 Previous Next			
 Statel an Enterprise application 							

4. Go to Security Realms > myrealm > Providers and verify that the SCFAuthenticator is configured. The following screen shows an example.

ORACLE WebLogic Server	🙊 Home: Log Out: Medienroes 🔛 Rocard: Help	Welcome, weblogic Connected to: #3				
Change Contor						
New changes and restarts	Home informany of tensors informany of Deployments informancy of Deployments informance of Deployments information of Deploym					
Cick the Luck & Edit button to modify, add or bilete items in this domain.						
Lock & Edit	Configuration Users and Groups Acles and Pulicies Credential Nepprogr Providens Migration					
Release Configuration	Authentication Password Validation Authorization Adjudication Role Napping Auditing Cesternial Napping Cestification Ref. Keystown					
Innaie Structure	An Authentication provider allows thelicupic Server to establish trust by validating a user. You must have non Authentication provider to a security main, and you can configure multiple Authentication designed to access different data access, such as LDAP servers or DDMS. You can also configure a fealm Adapter Authentication provider that allows you to work with users and groups from previous re					
Sarvers Chatters Virtual Hoats Repeatable Targets Caherence Sarvers Caherence Coutlers Racheres	Continuitier this table Anthenitication Previders Cick the Level & Additumes in the Change Center to activitie all the Suttains on this page. [New] [Context] [Resetan]	Search 1 to 3 of 3 Personal No.				
-Cuture -Virtual Hutes -Impression Timpets -Cutures -Cutures -Sertup -Cutures -Virtual Hanagers -Virtual Hanagers -Virtual Sortup and Studioun Cleaners	Authentication Providers	Shaving 1 to 3 of 3 Previous New				
- Cuture - Virtual Hoats - Migratalis Timpets - Caharenon Starves - Caharenon Cutures - Machanea - Machanea - Machanea - Santo di Shutdown Cleases - Caplorymette - Canarona - Santona	Authentication Providers Cick the Levik at distribution in the Dange Center to actives all the buttons on this page. There: [Dente] [Income: [Dente]] [Incom	[
- Cation - Vitual Hosts - Magentalis Terpits - Cathereore Servin - Cathereore Servin - Cathereore Servin - Servin - Machues - Servin - Se	Addresitation Provides Cick the Lock & defitution in the Ownee Carter to activity of the buttors on the page. New Collection New Collection Description If Name Description If Collection If Ownee Web Collection Web Collection					
- Cuture - Virtual Haats - Migratabit Simpets - Caharence Salvers - Caharence Cutates - Machines - Machines - Santagen of Shutdown Cleaner - Capityments - Capityments - Canarona - Canaron	Addresitation Provides Cick the Lock & defitution in the Ownee Carter to activity of the buttors on the page. New Collection New Collection Description If Name Description If Collection If Ownee Web Collection Web Collection	Version 1.0				

5. Go to the Configuration tab and verify that both the SCFAuthenticator and DefaultAuthenticator have Control Flags that are set to SUFFICIENT. The following screen shows an example.

ORACLE WebLogic Server®	Administration Console						
Change Center		Help					
View changes and restarts	Home >Summary of Servers >Summary of Deplo	yments soummary of servers soummary of Deployments soummary of security Realms Simplearn Servers SocarAuthenticator					
Click the Lock & Edit button to modify, add or delete items in this domain.	Settings for SCFAuthenticator						
Lock & Edit	Configuration						
Release Configuration	Common Provider Specific						
Domain Structure	Click the Lock & Edit button in the Change	Center to modify the settings on this page.					
E1Apps	Save						
EnvironmentServers	This page allows you to define the general configuration of this provider.						
Clusters Virtual Hosts	👩 Name:	SCFAuthenticator					
	🕂 Description:	WebLogic SCF Authentication Provider					
Machines Work Managers	🛃 Version:	1.0					
	🛃 Control Flag:	SUFFICIENT					
Services	Seve						
How do L	Click the Lock & Edit button in the Change	Center to modify the settings on this page.					
No task help found.							



6. Verify that after the initial installation of the Server Manager Console, an administrator can sign on to the Server Manager Console using the jde_admin user and password specified during the installation. Access the Server Manager Console using this URL:

http://servername:port/manage

where **server_name** is the name of the Server Manager machine on which the Server Manager Console is installed, and

where **port** is the port that you specified for the Server Manager Console when you ran the Server Manager Console installer.

For example:

http://server:8999/manage/



ORACLE	JD	Edwards	Enter	priseOne	Server	Manager
		Land		priceone	001101	i lanager

	Cion In	
	Sign In Enter your user ID and password.	
	User ID	
	Password	
	Sign In	
This system is inte	nded for limited (authorized) use and is subject to	company policies.

Enable SSL for Server Manager Console on the WebLogic Server

Note: The certificate and the keystore files that are used to configure the TLS settings with Server Manager Console must be used for configuring the SSL setting as well.

To enable SSL for the Server Manager Console on the WebLogic Server:

- 1. Access the WebLogic Admin Console in the browser for the WebLogic domain in which the Server Manager Console is installed. A sample URL would be: https://denpbds11.example.com:7001/console
- 2. Login to the WebLogic Admin Console using WebLogic Administrative Credentials.

- **3.** Navigate to Environments -> Servers.
- 4. Click on the Server Manager Console J2ee server (in the example below it will be SMC_Server_E1WLSSMC_Console).
- 5. Click Lock and Edit (if this option is available).
- **6.** Ensure you are in the General -> Configuration tab.
- 7. Select the SSL Listen Port Enabled check box.
- 8. Change the SSL Listen Port to something different than the existing HTTP Server Port for the Server Manager Console. (In the example below, the HTTP Port is 8999 and the HTTPS/SSL Port has been set to 9000.

ORACLE WebLogic Server A	dministration Cr	onsole 12	2c														
Change Center	🙆 Home Lo	g Out Pri	eferences	Reco	rd Help			Q.									
View changes and restarts	Home >Sum	nary of Se	rvers >Sur	nnary of M	tachines >1	localhost >Sun	mary of En	vironment >Sum	nary of Serve	rs>SNC_S	erver_E1WLSI	BMC_Console >Summa	ry of Servers >S	annary of Enviror	ment >Summar	y of Servers > SMC_	Server_E1WLS
No pending changes exist. Click the Release Configuration button to allow others to edit the	Settings for SMC_Server_E1WLSSMC_Console																
domain.	Configurat	ion Pro	tocols	Logging	Debug	Monitoring	Control	Deployments	Services	Security	Notes						
Lock & Edit	General	Cluster	Services	s Keysto	res SS	L Federati	on Services	Deployment	Mgration	Tuning	Overload	Health Monitoring	Server Start	Web Services	Coherence		
Release Configuration	Save																
Domain Structure																	
El Tools - D'Environment Servers D'Outres	Use this pa	-	figure gen	reral featur	es of this	server such a	s default n	etwork communi	cations.								
Coherence Clusters	Names						SMC_S	erver_E1WLSSM	C_Console					An alphanu	meric name for	this server instance	. More Info
Wrbuel Hosts Work Managers	Template:					(No value specified) Change							Get the base server More Info				
Deployments Briservices	👩 Machine:				locahost							The WebLogic Server host computer (machine) on which this					
Security Realms	Security Realms (Cluster:			(Stand-	(Stand-Alone) The								The cluster, or group of WebLogic Server instances, to which				
How do L_	🚝 Listen i	Address:												The IP add	ess or DNS na	ne this server uses	to listen for inc
Configure default network connections	🗹 Listen F	fort Enab	oled											Specifies w	hether this ser	ver can be reached	through the de
Create and configure machines Configure dusters Start and stop servers	Listen Port	5					8999							The default	TCP port that	this server uses to	lsten for regula
Configure WLDF diagnostic volume	🗹 SSL List	en Port I	Enabled											Indicates w	hether the ser	ver can be reached	through the de
Apply a server template	SSL Listen	Port:					9000							The TCP/IP	port at which	this server listens fo	r SSL connectio
System Status 🛛 🖓 Health of Running Servers	🗏 👘 Clie	nt Cert P	току Епа	abled										Specifies w	hether the Http	oClusterServlet prov	ies the client o
Faled (0) Critical (0)	Java Comp	aller:					javac							The Java o	ampiler to use I	ior all applications h	osted on this se
Overloaded (0) Warning (0) OK (2)	Diagnostic	Volume:					Low	•						the WLDF d	Sagnostic volur	sgnostic data that is se setting does not ents generated for f	affect explicitly



9. Click Save.

ORACLE	WebLogic Server	Administration Console 12c
--------	-----------------	----------------------------

Change Center	🟦 Home L	og Out Pro	eferences [Necord 🖌	Help			Q				
View changes and restarts	Home >Sun Messages	nmary of Se	rvers >Sumn	nary of Mach	ines >la	calhost >Sum	mary of Env	rironment >Summ	ary of Serve	rs >SMC_Ser	ver_E1WLSS	MC.
Pending changes exist. They must be activated to take effect.		s updated :	successfully.									
Activate Changes	Settings for	SMC_Set	rver_E1WL	.SSMC_Cor	sole							
Undo All Changes	Configural	tion Pro	tocols Lo	gging De	bug	Monitoring	Control	Deployments	Services	Security	Notes	
Domain Structure	General	Cluster	Services	Keystores	SSL	Federatio	on Services	Deployment	Migration	Tuning	Overload	H
E1Tools	Save Use this p	age to coni	figure gener	al features (of this s	erver such a	s default ne	twork communic	ations.			
Machines Virtual Hosts	View JNDI	View JNDI Tree 19										
	Name:						SMC_Se	rver_E1WLSSM	_Console			
Services Security Realms	Template					(No valu	(No value specified) Change					
Interoperability Triannetics	街 Machi	ne:					localhos	t				
How do I	😚 Cluste	r:					(Stand-/	Alone)				
Configure default network connections Create and configure machines	륝 Listen	Address:										
Configure clusters Start and stop servers	🗹 Listen	Port Enab	oled									
Configure WLDF diagnostic volume Apply a server template	Listen Por	t:					8999					
System Status	🗹 SSL Lis	ten Port I	Enabled									
Health of Running Servers	SSL Lister	Port:					9000					
Failed (0) Critical (0) Overloaded (0)	🗌 🕂 Clie	ent Cert P	roxy Enab	led								
Warning (0) OK (2)	Java Com	piler:					javac					

10. Click **Activate Changes**.

	dministration Cons	ole 12c											
Change Center	Home Log O	ut Preference	is 🔤 Reco	rd Help			Q						
View changes and restarts Click the Lock & Edit button to modify, add or delete items in this domain.	Home >Summary Messages All changes						vironment »Sumn	hary of Serve	rs >SMC_Se	rver_E1WLSS	MC_Console >Summa	ry of Se	
Lock & Edit	Settings for SMC_Server_E1WLSSMC_Console												
Release Configuration	Configuration	Protocols	Logging	Debug	Monitoring	Control	Deployments	Services	Security	Notes			
Domain Structure	General Cu	ster Service	es Keysto	xes SS	L <u>Federati</u>	ion Services	Deployment	Migration	Tuning	Overload	Health Monitoring	Servi	
ETTools D-Environment D-Clusters D-Clusters D-Clusters	Click the Lock	Click the <i>Lock & Edit</i> button in the Change Center to modify the settings on this page. Save											
Machines Wittual Hosts 	Use this page to configure general features of this server such as default network communications. View JNDI Tree												
Services Security Realms	Name:					SMC_Ser	SMC_Server_E1WLSSMC_Console						
Security Reality Transportability Transportability	Template:					(No value specified) Change							
How do I	den Machine:					localhost	t						
Configure default network connections Create and configure machines	🚝 Cluster:					(Stand-A	None)						
Configure clusters Start and stop servers	👸 Listen Add	ress:											
Configure WLDF diagnostic volume Apply a server template	🗹 Listen Port	Enabled											
System Status	Listen Port:					8999							
Health of Running Servers	🕑 SSL Listen	Port Enabled	1										
Failed (0) Critical (0)	SSL Listen Por	t:				9000							
Overloaded (0) Warning (0)	🗌 👧 Client C	ert Proxy Er	abled										

- **11.** Based on the message displayed, it may or may not be required to restart the Server Manager Console j2ee server.
- **12.** If required, stop and start the Server Manager Console J2ee server.

13. Next, access the Server Manager Console in the browser using an HTTPS/SSL based URL (https:// <Server_Manager_Console_HostName>:< SSL_Listen_Port>/manage/home). In this example the URL is https://denpbds11.example.com:9000/manage/home

Note: If you are not able to access the Server Manager Console at this point, see Troubleshooting Access to the Server Manager Console below.

ORACLE' JD Edwards EnterpriseOne Server Manager	
Sign In	
Enter your user ID and passwor	đ.
User ID	_
Password	_
Sign In	
This system is intended for limited (authorized) use	and is subject to company policies.

14. Go to *Import Server Manager Console Certificate into the Server Manager Agent Truststore/Keystore* and perform the steps.

Troubleshooting Access to the Server Manager Console

Server Manager self-update may not work as expected to update the Server Manager Console from 9.2.2.1 to a later Tools release. This process may not function as expected if the Admin Server of the Domain in which Server Manager Console is installed is not configured with SSL. To verify this potential issue, check the Server Manager Console Weblogic J2EE Server .out log for the existence of a message similar to this:

```
Oct 12, 2017 11:56:37 PM com.jdedwards.mgmt.agent.ElAgent
lookupAdminServerDetailsFromConfigXml
INFO: Entering lookupAdminServerDetailsFromConfigXml
Oct 12, 2017 11:56:37 PM com.jdedwards.mgmt.agent.ElAgentUtils getServerType
INFO: Management Server is running on WLS
Oct 12, 2017 11:56:37 PM com.jdedwards.mgmt.agent.ElAgent
lookupAdminServerDetailsFromConfigXml
INFO: Parsing the config.xml file 'C:\WLS12212\user_projects\domains\base_domain\config
\config.xml'.
Oct 12, 2017 11:56:37 PM com.jdedwards.mgmt.agent.ElAgent
lookupAdminServerDetailsFromConfigXml
WARNING: Error parsing config.xml at location 'C:\WLS12212\user_projects\domains
\base_domain\config\config.xml'.
```

Resolution:

Use the following procedure to resolve this issue:

- 1. logon to the Weblogic Admin Console
- 2. Set the option for SSL Listen Port as Enabled.
- **3.** Save the changes.
- 4. Now reverse the setting for SSL Listen Port to set it as Disabled.

This action adds the <enabled>false</enabled> entry into the config.xml file for the Admin Server, which allows the self-updating of Tools Release 9.2.2.1 to function as expected.

Obtain and Install CA Certificates in Oracle WebLogic Server

The deployment of JD Edwards EnterpriseOne Server Manager Console and Server Manager agents includes temporary self-signed Certificate Authority (CA) certificates. Self Signed Certificates are not inherently trusted by the JDK / JRE / Java distributions and are not recommended for Production environments. Because self-signed certificates are set to expire at preset and non-extendable times, you must obtain and install your own CA certificates. These must be certificates that are verified by a verified CA authority such as Entrust, Symantec Corporation, or Thawte.

The following outlines the general procedure to create a Keystore and to generate a Certificate Signing Request (CSR).

- In your local environment, obtain and install a Java Keystore. This is a repository for security certificates either authorization certificates or public key certificates - plus corresponding private keys. These keys are used for SSL encryption by the Oracle WebLogic Server. A file with extension jks serves as keystore.
- 2. From the Keystore, generate a Certificate Signing Request (CSR).
- 3. Export the Certificate Signing Request (CSR).
- 4. Validate the CSR. For example, you could use the validation tools provided by Symantec (<u>https://ssltools.websecurity.symantec.com/checker</u>).
- 5. Submit the CSR to the Certificate Authority such as Entrust or Symantec Corporation.
- 6. Logged in as the WebLogic Adminstrator, you must manually modify of Oracle WebLogic Server to use the new Keystore.

Tip: For additional details on working with CA certificates on your Oracle WebLogic Server, refer to this guide: Fusion Middleware Administering Security for Oracle WebLogic Server 12.1.3 at this link: https://docs.oracle.com/middleware/1213/wls/SECMG/ssl_overview.htm#SECMG718



Import Server Manager Console Certificate into the Server Manager Agent Truststore/Keystore

To import the Server Manager Console Certificate into the Server Manager Agent Truststore/Keystore:

CAUTION: You **must** perform these steps for all Server Manager Agent JDKs.

- 1. Export the Server Manager Console Certificate to a file using these steps:
 - a. From the browser click the lock icon on the left hand side of the URL of the HTTPS/SSL based Server Manager Console URL.
 - **b.** Click on **Certificate Information**.
 - c. Go to details tab and select the Copy to File option.
 - d. Click Next.
 - e. Select DER encoded binary X.509 (.CER) format.
 - f. Click Next.
 - g. Enter file information.
 - h. I have given the name as SMC_Certificate.cer.
 - i. Click Next.
 - j. Click Finish.
 - k. You will get a message saying "Export is Successful".
 - 1. You can view the Certificate in the path given in the above step.
- 2. This Certificate needs to be imported into the Truststore/Keystore of each of the Server Manager Agents (cacerts file of X:\jde_home_1\SCFHA\jdk\jre\lib\security\cacerts file).
- **3.** Before performing the import, backup the cacerts file located at X:\jde_home_1\SCFHA\jdk\jre\lib\security \cacerts file.



4. Below is the command to import the Certificate file on Windows Platform. A similar step needs to be done for the Linux/UNIX/AS400 platforms and also for Server Manager Agents installed on these platforms. Import the Certificate using the command below. When prompted for whether you trust the Certificate, answer **Yes**.

X:\jde_home_1\SCFHA\jdk\jre\bin\keytool -import -alias smc_cert -file C:\SMC_Certificate.cer -keystore

X:\jde_home_1\SCFHA\jdk\jre\lib\security\cacerts -storepass password

	4
C:\Users\shravind.ORADEU>Z:\jde_home_4\SCFHA\jdk\jre\bin\keytool -import -alias =	1
smc_cert -file C:\SMC_Certificate.cer -keystore Z:\jde_home_4\SCFHA\jdk\jre\lib\	11
security\cacerts -storepass changeit	
Owner: CN=DENPBDS11.oradev.oraclecorp.com, OU=DENPBDS11Node07Cell, OU=DENPBDS11N	
ode09, O=IBM, C=US	
Issuer: CN=DENPBDS11.oradev.oraclecorp.com, OU=Root Certificate, OU=DENPBDS11Nod	
e07Cell, OU=DENPBDS11Node09, O=IBM, C=US	
Serial number: 46d2afd04b86	
Valid from: 5/12/15 11:18 PM until: 5/11/16 11:18 PM	
Certificate fingerprints:	
MD5: D3:27:30:2C:AE:7A:A9:9E:6F:BC:A6:DD:4C:AC:CE:90	
SHA1: 9E:BF:C6:06:BA:A9:EE:D6:CB:B0:92:15:C3:D5:E4:49:D0:AD:D0:FA	
Trust this certificate? [no]: yes	
Certificate was added to keystore	
C:\Users\shravind.ORADEV>	

5. After this step, restart the Server Manager Agent. This step needs to be done on each of the Server Manager Agent machines. Without this step the Server Manager Agent may not be able to communicate with the Server Manager Console.

6. Next, login into the Server Manager Console and ensure that above Server Manager Agent is showing up with a Running Status.

On WLS:

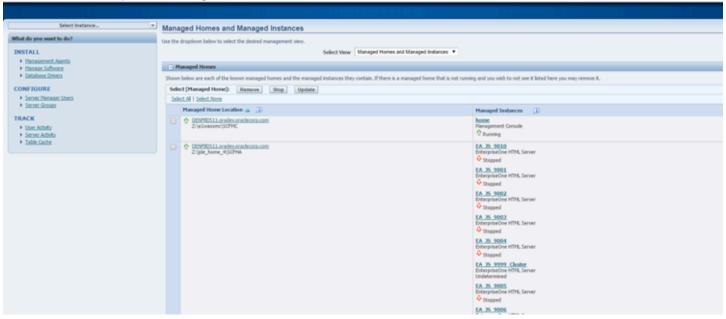
ORACLE' JD Edwards EnterpriseOne S	Server Manager	(2) Documentation and Support							
Select Instance	Managed Homes and Managed Instances								
What do you want to do?	Use the dropdown below to select the desired management view.								
INSTALL	Select View Managed Homes and Managed Instances *								
Management Agents Manage Software	Managed Homes	Managed Homes							
Database Drivers	Shown below are each of the known managed homes and the managed instances they contain. If there is a managed home that is not running and you wish to not see it loted here you may remove it.								
CONFIGURE	Select [Managed Home]: Remove Stop Update								
Server Manager Users Server Groups	Select Al Select None Managed Home Location (a)								
TRACK	DOVPDS11.oradev.or	Managed Instances ① home							
User Activity Server Activity	2/jelnissmc/SOFMC	Management Console							
Table Cache	ODVPDD511.orsdev.orsdecorp.com Ztijde_home_wbl3CPHA	OracleWeblogic301512300 Oracle WebLogic Server Of Running							
		ian 8092 915 POC EnterpriseOne HTML Server							
		♦ Stopped							
		ias 8088 9147 EnterpriseOne HTML Server							
		© stopped EA JS 9090							
		EnterpriseOne HTHL Server \$ Stopped							
		ATS_CLUST EnterpriseOne Application Interface Services Pailed							
		EA ALS 9092 EnterpriseOne Application Interface Services Failed							
		ias 8088 9151 EnterpriseOne HTML Server ♦ Stopped							

On WAS:



(7) Documentation and Support

ORACLE' JD Edwards EnterpriseOne Server Manager



This completes the configuration required for running the Server Manager Console on WebLogic/WebSphere with HTTPS/SSL Enabled and completes the importing of the Certificate on the Server Manager Agents.

Hostname Mismatch Errors

If the hostname in the Certificate generated by WebSphere or WebLogic does not exactly match the Fully Qualified Hostname of the Server Manager Console machine, then you will see the type of errors listed below in the Server Manager Agent stderr.log/e1agent.logs.

In this case a valid Self Signed Certificate will need to be created using the keytool utility and imported into the WebLogic Custom Truststore and Custom Keystore, and WebLogic will need to be configured to use the Custom Truststore and Custom Keystore. Similarly on WebSphere, a Self Signed Certificate will need to be created and will need to be imported. trust.p12 and key.p12 files and will need to be set as the default Certificate using the iKeyMan.bat/.sh utility. This Self Signed Certificate will also need to be imported in the cacerts file of the Server Manager Agents.



at org.apache.http.impl.client.DefaultRequestDirector.execute(DefaultRequestDirector.java:479) at org.apache.http.impl.client.AbstractHttpClient.execute(AbstractHttpClient.java:906) at org.apache.http.impl.client.AbstractHttpClient.execute(AbstractHttpClient.java:805) at org.apache.http.impl.client.AbstractHttpClient.execute(AbstractHttpClient.java:784) at com.jdedwards.mgmt.agent.UserPasswordCallBack._getUserCredentials(UserPasswordCallBack.java:40) at com.jdedwards.mgmt.agent.UserPasswordCallBack.<init>(UserPasswordCallBack.java:31) at com.jdedwards.mgmt.agent.ElAgent\$ManagementServerDaemonThread.run(ElAgent.java:2259) at java.lang.Thread.run(Thread.java:722)

Import the Server Manager Console Certificate into All Java Installations That Are Used by Embedded Agents

CAUTION: As is true for the preceding procedure, you **must** perform these steps for all Server Manager Agent JDKs.

Using the principles shown preceding procedure, you **must** also import the Server Manager Console certificate into all Java installations that are used by embedded agents to communicate with the Server Manager Console. Specifically, the certificate needs to be imported for each of the following:

- JDK used by WebLogic or WebSphere
- JRE used by the Enterprise Server kernel processes.

This is either the JRE specified in:

- The JDE system directory. For example:
 - <platform pack install location>/jdedwardsppack/e910/system/jre/
- The value of InProcessJVMHome in the JDE.INI file.

Example: Importing the certificate into the JDK used by the embedded agent on the Enterprise Server:

- If a value is assigned to InProcessJVMHOME in the JDE.INI file on the Enterprise Server, you should import the certificate into the cacerts file of the JRE corresponding to the value of InProcessJVMHOME. You can adapt instructions below to use the path to this JRE.
- If no value is assigned to InProcessJVMHOME in the JDE.INI file, you should import the certificate into the cacerts file of the JRE in the JDE system directory. For example, the directory might be named:

<platform pack install location>/jdedwardsppack/e910/system/jre/

Below is an example command line to import a certificate (enter as a single contiguous line):

/opt/jdedwardsppack/e920/system/jre/bin/keytool -import -trustcacerts -keystore /opt/jdedwardsppack/e920/system/ jre/lib/security/cacerts -storepass PASSWORD -noprompt -alias mynewcert -file

The above commands results in the new certificate being created as shown below:

/opt/jde_home_ent/SCFHA/jdk/jre/bin/mynewcertificate.cer

This example assumes the following:

Certificate password is **PASSWORD**



• Path to the JRE is:

/opt/jdedwardsppack/e920/system/jre

• Path to the .cer file is:

/opt/jde_home_ent/SCFHA/jdk/jre/bin/mynewcertificate.cer

Using the above example, for your installation you should edit the values accordingly.

Troubleshooting the Server Manager Console Installation on WebLogic Server

To troubleshoot the Server Manager Console Installation on WebLogic Server:

- 1. Verify that all the prerequisites are met as listed in the section of this guide entitled: *Prerequisites for WebLogic Server*.
- 2. Locate and inspect the contents of the .out and .err log files located in these directories:

Microsoft Windows Platform

C:\<Server_Manager_Console_Home>\SCFMC\data*.dat fileS

where <server_Manager_Console_Home> is the Server Manager Console installation directory. For example:

C:\jde_home_1\SCFMC\data

Linux/Solaris Platforms

<Server_Manager_Console_Home>/SCFMC/data/*.dat fileS

where <server_Manager_Console_Home> is the Server Manager Console installation directory. For example:

/u01/jde_home_1/SCFMC/data

3. Locate and inspect the contents of the Server Manager Console installer-related log files for errors. These logs are typically located in following locations:

Note: The location of these logs and the log file name are displayed on in the lower portion of the installer screens during the installation process.

C:\Program Files\Oracle\Inventory\logs

4. Locate and inspect the contents of the application server log files for errors. These logs are typically located in following locations:

Microsoft Windows

```
C:\Oracle\Middleware\user_projects\domains\E1Apps\servers\AdminServer\logs
```

C:\Oracle\Middleware\user_projects\domains\E1Apps\servers\SMC_Server_xxxx\logs

C:\Oracle\Middlware\wlserver_10.3\common\nodemanager\logs

Linux or Solaris



/u01/Oracle/Middleware/user_projects/domains/E1Apps/servers/AdminServer/logs

/u01/Oracle/Middleware/user_projects/domains/E1Apps/servers/SMC_Server_xxxx/logs

/u01/Oracle/Middleware/wlserver_10.3/common/nodemanager/logs

5. You might encounter this message: [Management:141245]Schema Validation Error in /config.xml if any managed servers are running.

Installing the Management Console on WebSphere Application Server

You can install the Server Manager Console on WebSphere Application Server on Microsoft Windows platforms.

See Also

Refer to this document for additional information about configuring the IBM WebSphere Application Server with JD Edwards EnterpriseOne:

• JD Edwards EnterpriseOne HTML Server on WebSphere Reference Guide

https://docs.oracle.com/cd/E61420_01/doc.92/e55810.pdf

Refer to the IBM resources for IBM WebSphere Application Server 7, or 8.5.5.0, or 9.0 Infocenter.

This section discusses these topics:

- Starting and Stopping the Server Manager Console on WebSphere on the Microsoft Windows Platform
- General Hostname/IP Address Configuration Prerequisites
- Running the WebSphere Application Server Installer for the Server Manager Console
- Verifying the Server Manager Console Installation on WebSphere Application Server
- Enable SSL for Server Manager Console on the WebSphere Application Server
- Import the Server Manager Console Certificate into All Java Installations That Are Used by Embedded Agents
- Troubleshooting the Server Manager Console Installation on WebSphere Application Server

Starting and Stopping the Server Manager Console on WebSphere on the Microsoft Windows Platform

For Tools Release 9.1 Update 2, the supported WebSphere version is 7.0.

For Tools Release 9.1 Update 2.3 onwards, WebSphere version is 8.5.5.0 is also supported.

For Tools Release 9.2 Update 1 onwards, WebSphere version 9.0 is also supported.

When installing Server Manager Console on any version of WebSphere on Microsoft Windows, it is important to note that the installer does not configure the Server Manager Console as a Windows Service. Therefore, you must manually start and stop the Server Manager Console using the IBM utility called startserver.bat. This is also true for other JD Edwards EnterpriseOne components such as HTML Server, RTE Server, and BSSV Server.

To use the startServer.bat Utility:

1. These instructions assume the Server Manager Console was installed into WebSphere with these properties:



Installation Directory

C:\IBM\WebSphere\AppServer

• Profile to which the Server Manager Console is Installed

AppSrv01

• Name of the J2EE Container

SMC_Server_ManagementConsole1

- 2. Open a Microsoft Windows Command Prompt as an Administrator.
- 3. Use this command to start the Server Manager Console:

 $\verb"C:\IBM\WebSphere\AppServer\profiles\AppSrv01\bin\startServer.bat\SMC_Server_ManagementConsole1$

4. Use this command to stop the Server Manager Console:

General Hostname/IP Address Configuration Prerequisites

This section lists the configuration prerequisites for the hostname and IP address:

- The hosts file must have the entry for localhost (loopback).
- The hosts file should have an entry for the correct IP Address of the machine mapping to the appropriate hostname of the machine.
- The hostname of the machine should not map to the IP Address 127.0.0.1, because that IP address is typically used for localhost.

Running the WebSphere Application Server Installer for the Server Manager Console

To install the Server Manager Console:

- 1. Log on to the machine onto which you are installing the Server Manager Management Console.
- 2. Change to the directory in which you extracted the Server Manager Console installer as described in the previous section of this chapter entitled: *Obtain and Extract the Server Manager Management Console for JD Edwards EnterpriseOne Tools*.
- 3. Launch the OUI installer as follows:

Microsoft Windows

Using "Run As Administrator", run setup.exe from the directory in which you unzipped the installer. For example, if you followed the recommendation in *Obtain and Extract the Server Manager Management Console for JD Edwards EnterpriseOne Tools*:

C:\SM_Console\Disk1\install

The Windows Command window starts indicating Windows is preparing to launch the Oracle Universal Installer for the Server Manager Management Console.

All Platforms

The Oracle Universal Installer (OUI) Wizard begins to initialize and prepare the JVM for the JD Edwards EnterpriseOne Management Console installer. This may take a few minutes to completely initialize. When the initialization is complete, a new and separate JD Edwards EnterpriseOne Management Console installer window is displayed.



and a second sec	ler: Welcome		
RACLE JD Edwa	ards EnterpriseOne		
Nelcome			
The Oracle Universa Dracle products.	l Installer guides you	through the instal	lation and configuration of your
lick "Installed Produ	ucts" to see all insta	alled products.	
			Deinstall Products
			Deinstall Products About Qracle Universal Installer

4. On Welcome, click the **Next** button.

💥 Oracle Universal Installer: Specify Home Details	_ 🗆 🗙
ORACLE JD Edwards EnterpriseOne	
Specify Home Details	
Destination	
Enter or select a name for the installation and the full path where you	, want to install the product.
Na <u>m</u> e: EOne_ManagementConsole1	*
Path: C:\jde_home_1	Browse)
	Product Languages)
Help Installed Products Back	Next Install Cancel



- **5.** On Specify Home Details, complete these fields:
 - Name

Enter a unique name of the Management Console. The default value is:

EOne_ManagementConsole

Note: If there is an existing installation of the Management Console with the default name, the installer will append the default name with a number to make it unique. For example, EOne_ManagementConsole1.

• Path

Enter the drive and directory where you want the files installed on your Management Console. The JD Edwards EnterpriseOne Management Console installer automatically detects the root drive location on the machine and by default appends this value:

jde_home

Note: Although jde_home is the default and recommended setting, you can specify any value to replace the default value. If there is an existing installation of the Management Console the default name will be appended with an underscore and a number. For example, JDE_HOME_1.

CAUTION: You cannot specify a directory that already exists.



6. Click the **Next** button.

	aller: Enter Admin Password				_ 🗆 🗙
ORACLE' JD Ed	wards EnterpriseOne				
Enter Admin	Password				
Enter Admin	1 4354014				
Enter password for ac	imin user.				
Password:	*****				
Confirm Password:	·				
Commit assessed.					
Help	Installed Products	Back	Next	Install	Cancel
			,		



7. On Enter Admin Password, enter and confirm the password for the jde_admin user.

Note: The user name itself cannot be changed from jde_admin. The password must be at least eight (8) characters in length and cannot contain space or blank character values. Values are alphanumeric and these special characters: ! @ # \$ _. At least one (1) special character is required in the password.

Note: The default value for the user named jde_admin is automatically populated by the Management Console installer and cannot be altered. This is the administrative user account that is associated with the Management Console.

CAUTION: Because there is no programmatic way to retrieve a lost or forgotten password, it is critical that you remember and safeguard this password. If the password is forgotten or lost, the only recovery is a complete reinstallation of Server Manager. If you reinstall the Management Console and specify the JMX port the original installation was configured to use, you will retain all your managed homes and associated instances along with the configuration of those instances. However, you will lose this data:

- Console configuration, which includes database information entered using the Setup Wizard and information regarding security server(s) used to authenticate users.
- User Configuration, which are the added JD Edwards EnterpriseOne users and defined user groups, including their permissions.
- Server Groups and associated template configurations.
- Defined monitors and their associated monitor history.



8. Click the **Next** button.

🔀 Oracle Universal Installer: Enter Port Number	_ 🗆 🗙
ORACLE JD Edwards EnterpriseOne	
Enter Port Number	
Enter the port number to be used by the Server Manager Console.	
Management Console HTTP Port. 8999	
You must ensure that the port number is not used by any other application. No validation is done on the number entered.	port
Help Installed Products Back Next Install C	ancel



9. On Enter Port Number, complete this field:

• Management Console HTTP Port

Enter valid unused port number for use by the Management Console.

The default value is 8999.

CAUTION: This port number must be available and cannot be in use by any other application on this machine. Since the installer cannot validate the port, you must be certain that these conditions are met or else the Management Console will not start.

If there is insufficient disk space to complete the installation on the Management Console target machine, the installer displays an error message.



10. Click the Next button.

📉 Oracle Universal Installer: Select Application Server 🚽				_ 🗆 X
ORACLE' JD Edwards EnterpriseOne	100,010	ar an a said b		
42				
Select Application Server				
Choose an Application Server type.				
∩wls				
Oracle Weblogic Application Server				
B 10/10				
@ WAS				
IBM Websphere Application Server				
Help Installed Products	Back	Next	Install	Cancel

11. On Select Application Server, select the **WAS** radio button for the IBM WebSphere Application Server.

12. Click the **Next** button.

2	Oracle Universal	Installer: Se	lect Mode		_		x
ORACLE' JD Edwards E	nterpriseOne		and the second				
Select Mode							
Choose an profile mode.							
● NEW							
Creates a new default profile							
C EXIST Selects an existing default prof	le						
Help Installed	Products	Back	Next	install		Cance	

- **13.** On Select Mode, select either:
 - **NEW** to create a new default profile.
 - **EXIST** to use an existing default profile.
- 14. Click the Next button.

15. The flow of screens will depend on which mode has been selected.

NEW

If New mode has been selected, you will first be prompted to select a Profile Type:

X	Oracle Universal	Installer: Se	elect Type			x
ORACLE' JD Edwards	EnterpriseOne					
Select Type						
Choose Profile Type						
Standalone						
Creates a new Standalone pr	ofile					
⊂ Dmgr						
Creates a new Drngr and Nod	e profile					
Help Installe	d <u>P</u> roducts	Back	<u>N</u> ext	[nstall	Cano	el

a. On Select Type, select either:

Standalone - creates a new Standalone profile which will have an administration server.

Dmgr - creates a new Dmgr and Node profile. Dmgr will have a dmgr and a node. Dmgr will manage the administration work of the node.

b. Click the **Next** button.

📓 👘 Oracle Ur	niversal Installer: Enter information for WebSphere Directory	_ 🗆 X
ORACLE' JD	Edwards EnterpriseOne	
-		
Enter infor	rmation for WebSphere Directory	
Enter directory info	ormation for the IBM WebSphere Server.	
Install Directory:	C:\Program Files (x86)\IBM\WebSphere\AppServer	Browse)
Help	Installed Products Back Next Install	Cancel
	Back Book	Ouncer

- **c.** On "Enter information for WebSphere Directory", if the Install Directory field is not automatically populated with the WebSphere folder path, then enter the WebSphere folder path.
- **d.** Click the **Next** button.

🞇 Oracle Universal Installer: Enter Admin UserID and Password information for 💶 💶 💌					
ORACLE JD Edwards EnterpriseOne					
Enter Admin UserID and Password in	nformation for WebSphere				
Enter Admin UserID and Password information for the IBM Web	Sphere Server Profile.				
Admin User Name: <admin user=""></admin>					
Admin User Password:					
Help Installed Products Back	Next [nstall Cancel				

- e. On the "Enter Admin UserID and Password Information for WebSphere" form, enter:
 - Admin User Name

Enter the user name of the WebSphere admin account.

Admin User Password

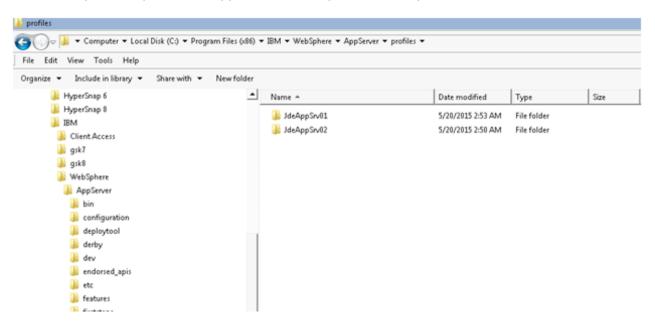
Enter the password for the WebSphere admin account.



f. Click the **Next** button.

g. A Summary screen will be displayed. Proceed to Step 18 to continue.

Note that any created profiles will appear in the WAS profile directory below:



EXIST

If EXIST mode has been selected:

- a. Click the Next button.
- **b.** Proceed to step 16 to continue.



- 16. On Enter Information for WebLogic Server, complete the following fields:
 - Install Directory

Enter the path to the WebSphere installation directory (AppServer). For example:

C:\IBM\WebSphere\AppServer

• Host/IP

Enter the hostname or the IP Address at which the WebSphere server1 (or Deployment Manager) is listening for SOAP connections. This is usually the hostname/IP Address of the physical machine. For example:

<machine name>us.example.com

• SOAP Port

Enter the port number on which the server1 (or Deployment Manager) is listening for SOAP Connections. For a particular profile, you can obtain this value from this location:

C:\IBM\WebSphere\AppServer\profiles\<profile_name>\logs\AboutThisProfile.txt



📉 Oracle Universal Installer: Enter information for WebSphere	_ 🗆 🗙
ORACLE' JD Edwards EnterpriseOne	
Enter information for WebSphere	
Enter information for the IBM WebSphere Server.	
Install Directo	
Sefault port changed	
Host/IP: SOAP Port: Default port changed, no validation will be done on	
selected profile.	
Admin User N	
Admin User F	
The values on this form must be confirmed manually. You must validate or update, as appropriate, a configuration items.	all
Help Installed Broducts Back Next Install	Cancel

Sometimes, if the installer is not able to find the default profile path and the associated SOAP Port, it will display "<SOAP Port>", or if it finds a default soap port and the user changes it, the above error will be displayed. If "<SOAP Port>" is populated, that means that there is no default profile or that there is no

profile based on c:\Program Files (x86)\IBM\WebSphere\AppServer\properties\profileRegistry.xml file. A profile should be created in order to proceed.

• Admin User Name

Enter the user name of the WebSphere admin account.

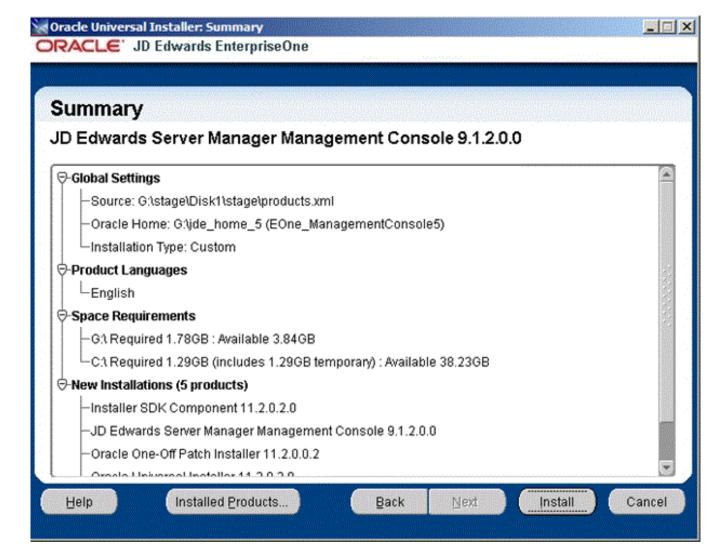
• Admin User Password

Enter the password for the WebSphere admin account.

CAUTION: The values on this form must be confirmed manually. You must validate or update, as appropriate, all configuration items. If you enter invalid values, you will have to re-run the installer with the correct values.



17. Click the **Next** button.





18. On Summary, verify your selections and click the **Install** button to begin the installation.

🗽 Oracle Universal Installer: Install	
ORACLE' JD Edwards EnterpriseOne	
Install	
Installing JD Edwards Server Manager Management Console 1.0.0.0.0	
Copying files for 'JD Edwards Server Manager Management Console 1.0.0.0.0 '	
Setup pending	
Configuration pending	
copying 'jdk.zip'	
18%	
(<u>Stop installation</u>)	
You can find the log of this install session at:	
C:\Program Files (x86)\Oracle\Inventory\logs\installActions2011-10-18_02-15-14PM.log	
L	
Help Installed Products Back Next Install	Cancel

The Install progress screen is displayed. Note that this screen displays the location of the log of this installation. For example:

C:\Program Files (x86)\Oracle\Inventory\logs\installActions2011-10-18-02-15-14PM.log

Important: When installing the Server Manager Console on WebSphere on the Microsoft Windows platform with a non default profile (that is a profile which is not configured as a default profile during the profile creation time), the wsadmin scripting interface will prompt the administrator to add the signer to the default trust store.



In this case, the admin **must** select "y" option in order to proceed with the installation. If you select "n", all wsadmin activities will fail. If the preceding conditions in this note are true, the below applet, entitled: "SSL Signer Exchange Prompt", pops up during the installation process:

🛃 **** SSL SIGNE	R EXCHANGE PROMPT ***	×				
SSL	. signer from target host 10.139.163.123 is not found in trust store Z:/WebSphere/wp_profile1/etc/trust.p12.					
Here is the signer information (verify the digest value matches what is displayed at the server):						
Subject DN:	CN=DENITSD62.mlab.jdedwards.com, OU=DENITSD62Node02Cell, OU=DENITSD62Node02, O=IBM, C=US					
Issuer DN:	CN=DENITSD62.mlab.jdedwards.com, OU=Root Certificate, OU=DENITSD62Node02Cell, OU=DENITSD62Node02, O=IBM, C=US					
Serial number:	1202062273742612					
Expires:	Wed Aug 07 04:04:13 MDT 2013					
SHA-1 Digest:	74:AD:C3:45:86:BE:CD:3D:2B:5D:31:8F:D3:B3:1E:06:F2:46:8B:05					
MD5 Digest:	1D5 Digest: FD:19:AD:BB:85:26:7D:93:C2:27:F6:CE:42:BF:FE:5E					
Add signer to the trust store now? (y/n)						

Troubleshooting Installations for WebSphere running on Microsoft Windows: If you do not select "y" on the above applet prompt entitled: "SSL Signer Exchange Prompt", the Server Manager Console installation will fail. Such failure is indicated by the logs as shown in this example:

CWPKI0022E: SSL HANDSHAKE FAILURE: A signer with SubjectDN
"CN=DENITSD62.mlab.jdedwards.com, OU=DENITSD62Node02Cell, OU=DENITSD62Node02,
O=IBM, C=US" was sent from target host:port "10.139.163.123:8881". The
signer may need to be added to local trust store "Z:/WebSphere/wp_profile1/
etc/trust.p12" located in SSL configuration alias "DefaultSSLSettings" loaded
from SSL configuration file "file:Z:\WebSphere\wp_profile1/properties/
ssl.client.props". The extended error message from the SSL handshake exception
is: "PKIX path building failed: java.security.cert.CertPathBuilderException:
PKIXCertPathBuilderImpl could not build a valid CertPath.; internal cause is:

java.security.cert.CertPathValidatorException: The certificate issued by CN=DENITSD62.mlab.jdedwards.com, OU=Root Certificate, OU=DENITSD62Node02Cell, OU=DENITSD62Node02, O=IBM, C=US is not trusted; internal cause is:

java.security.cert.CertPathValidatorException: Certificate chaining error". CWPKI0040I: An SSL handshake failure occurred from a secure client. The server's SSL signer has to be added to the client's trust store. A retrieveSigners utility is provided to download signers from the server but requires administrative permission. Check with your administrator to have this utility run to setup the secure environment before running the client. Alternatively, the com.ibm.ssl.enableSignerExchangePrompt can be enabled in ssl.client.props for



"DefaultSSLSettings" in order to allow acceptance of the signer during the connection attempt.

WASX7023E: Error creating "SOAP" connection to host "DENITSD62.mlab.jdedwards.com"; exception information: com.ibm.websphere.management.exception.ConnectorNotAvailableException: [SOAPException: faultCode=SOAP-ENV:Client; msg=Error opening socket: javax.net.ssl.SSLHandshakeException: com.ibm.jsse2.util.g: PKIX path building failed: java.security.cert.CertPathBuilderException: PKIXCertPathBuilderImpl could not build a valid CertPath.; internal cause is:

java.security.cert.CertPathValidatorException: The certificate issued by CN=DENITSD62.mlab.jdedwards.com, OU=Root Certificate, OU=DENITSD62Node02Cell, OU=DENITSD62Node02, O=IBM, C=US is not trusted; internal cause is:

java.security.cert.CertPathValidatorException: Certificate chaining error; targetException=java.lang.IllegalArgumentException: Error opening socket: javax.net.ssl.SSLHandshakeException: com.ibm.jsse2.util.g: PKIX path building failed: java.security.cert.CertPathBuilderException: PKIXCertPathBuilderImpl could not build a valid CertPath.; internal cause is:

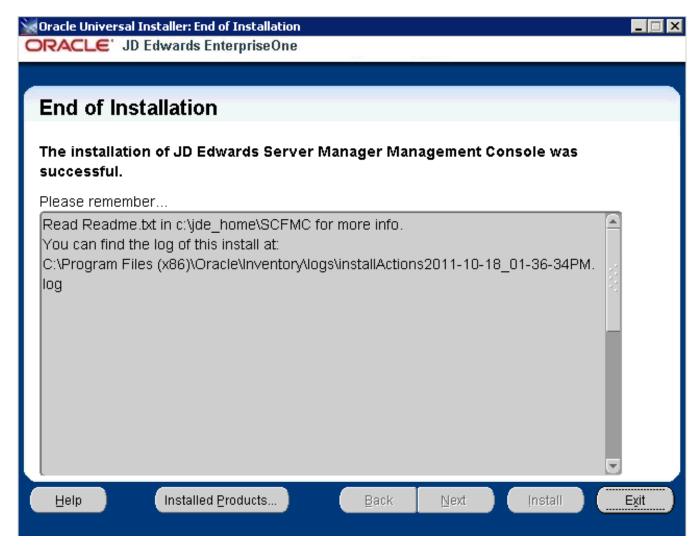
java.security.cert.CertPathValidatorException: The certificate issued by CN=DENITSD62.mlab.jdedwards.com, OU=Root Certificate, OU=DENITSD62Node02Cell, OU=DENITSD62Node02, O=IBM, C=US is not trusted; internal cause is:

java.security.cert.CertPathValidatorException: Certificate chaining error] WASX7213I: This scripting client is not connected to a server process; please refer to the log file Z:\WebSphere\wp_profile1\logs\wsadmin.traceout for additional information.



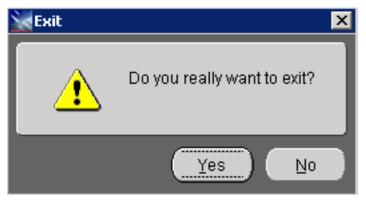
WASX8011W: AdminTask object is not available.

For all other installations using WebSphere on platforms other than Microsoft Windows, the following End of Installation screen is displayed.



19. On End of Installation, verify the installation was successful. The "Please remember ..." section also provides the installation log location.

20. Click Exit to exit the Oracle Universal Installer for the Server Manager Management Console.



- 21. On the Exit dialog, click the Yes button.
- 22. The Administrator should refer to the readme.txt file in the provided in this directory:

\$ORACLE_HOME\SCFMC\

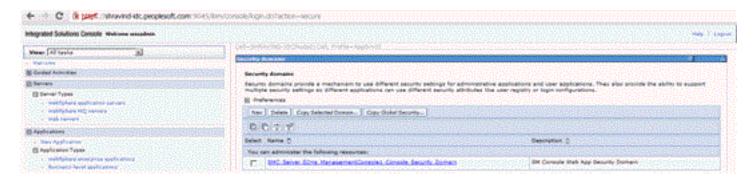
Verifying the Server Manager Console Installation on WebSphere Application Server

To verify the Server Manager Console installation on WebSphere Application Server:

- 1. Login into the WebSphere Server Admin Console.
- 2. Go to Servers > Server Types > WebSphere Application Servers.
- 3. Verify a new J2EE Server is created for the Server Manager Console. The following screen shows an example.

Integrated Solutions Console Welcome wavadmin				Help Lepter	
View: N tasks	Cel-SHKAVIND (DCNode)(Cel, Profile-A	páred)			
< Welcome	Application servers				
(B) Guided Activities	Application servers				
D Server Server Topes - Voldplans application servers	Use this page to view a fast of the application servers in your environment and the status of each of these servers. You can also use this page to change th specific application servers. 8 Preferences				
 WebSphare MQ servers Web servers 	2.9				
El Applications	Name 👌	Node Q	Hoat Name 🗘	Version C	
2) Services	The cas adapted the following menus	-			
10 Factoria	\$252 Secret \$256 NetworkConsider	Canada AHAVIND-10Chode02	SHRAVIND-IDC.peopleash.com	80.7.0.0.19	

4. Go to Security > Security Domains and verify that the Security Domain has been created. The following screen shows an example.



 Go to Virtual Hosts > default_host > Host Aliases and verify that there is a host alias entry created with the HTTP Port number that you specified during the installation of the Server Manager Console. The following screen shows an example.

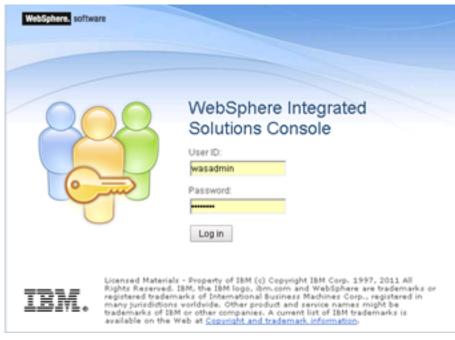
integrated Solutions Console Welcome wavedrein					Help Lager	
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Varent All tasks 💌	Part and the	ata .				
E Duided Activities	Votes	Heats > default, heat > Heat Alasses				
E Servers		a page to add, create, or delete a domain name	a system (2018) alias by which the vi	intual heat is known.		
E Server Types	(S Pref	erences				
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 Misb servers 	0.0	0.017				
E Applications	Delect	Host Name 0		Pert 0		
- New Application	You can administer the following resources:					
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 Business-level applications Assets 	C	2		40		
Si Services	C	2		9444		
E Resources	E	2		543		
Blearty	5	:		5042		
 Obdat security Decarity domains 		:		44)		
Decargo domains Administrative Authorization Groups Min. commission and law transmission		2		4919		

6. Verify that the successful installation has automatically started the Server Manager Console.

Enable SSL for Server Manager Console on the WebSphere Application Server

Note: The certificate and the keystore files that are used to configure the TLS settings with Server Manager Console must be used for configuring the SSL setting as well.

1. Access the WebSphere Admin Console in the browser for the profile in which the Server Manager Console is installed. A sample URL would be: https://denpbds11.example.com:9146/ibm/console



- 2. Login to the WebSphere Admin Console using the WebSphere Administrative credentials.
- 3. Navigate to Servers -> Server Types -> WebSphere Application Servers.



4. Click on the Server Manager Console J2ee server (in the example below it is the SMC_Server_e1wassmc_Console).

Welcone Outled Activities Outled Activities Outled Activities Server Types • MetSphere application servers • Motoring and Tuning • Motoring and Tuning • MetSphere application servers • MetSphere application servers • MetSph	WebSphere. software		Welcome
Values Guide Attributes Guide Attributes Every Second Types Mathabase KQ revery Ma	All tasks	Cell+DENP8DS11Node07Cell, Profile+JdeAppSrv1vassmc	
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Sever Type:		Use this page to configure an application server. An application server is a ser	rver that provides services required to run enterprise applications.
 Nababase applications arranses Nababase applications arranses Nababase applications arranses Nababase applications arranses Services Reservices Reservices interposition array datases Reservices interposition array datases interposition array datases interposition array datases interposition array datases interpositions array datases interpositions entitings Reservices interposition array datases interposition array datases interpositions entitings Reservices interposition array datases interpositions entitings Reservices interposition array datases interpositions entitings Reservices interposition array datase interposition array datase interposition interposition array datase int		Configuration	
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Interview Portide Container Settings Environment Portide Container Settings Environment Parallal stat Users and Groeps Euliness Process Services Monoming and Training Parallal stat Troubleshooting Environments as needed Access to internal server dasses Applications Installed applications Environments Allow Installed applications Classibade policy Messaging and finations Messaging and Process Management Berver Infrastructure Apply OK Rest Cancel	Resources		Web Container Settings
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Users and Groups Monotoring and Tuning Image: Start components as needed Image: Start components as needed Applications Service integration Service integration Image: Start components as needed Image: Service integration UDD1 Server-specific Application Settings Server-monoscoping Image: Ima	System administration	Recalled start	Container Services
Maximum game In state components as needed Applications Troublasheeting Service integration Applications U0D1 Server-specific Application Settings Server messaging Class laaded policy Multiple V Multiple V Class laaded with parent dass loader first Missaging anging Mussaging anging Class laaded with parent dass loader first Server Infrastructure Server Infrastructure Apply CK Rest Canol Server Infrastructure	Users and Groups		
Troubleshooting Allow Installed asplications Server respectific Application Settings Server messaging Installed asplications UDD1 Class loader policy Multiple T Multiple T Class loader first Class loader first Multiple T Classes loaded with parent class loader first Struet Transports Server Infrastructure Apply CK Rest Cancel Server Infrastructure I alwa and Process Management I alwa and Process Management Administration I alwa a Disks - Java a Disks - Java a Disks	Monitoring and Tuning		=
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Classes loaded with parent dass loader first			 Messaging engine inbound transports
Apply CK Reset Cancel Server Infrastructure Apply CK Reset Cancel Apply CK Reset Cancel Apply CK Reset Cancel Communication Communications			
Apply CK Reset Cancel Java and Process Management Administration Java SDEa Communications		Classes loaded with bakeut class loader unit	 S1b set[Transport channel service chans that lead to the messaging engine.]
Administration Java SDEa Communications			Server Infrastructure
- Jaxa SDKa Communications		Apply OK Reset Cancel	Java and Process Management
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Communications			_
a Parta			Communications
			R Porta

5. Expand the Ports tab on the lower right hand side and write down the WC_defaulthost_secure port number. This is the port which we will use to access the Server Manager Console over HTTPS/SSL. In this example, the WC_defaulthost is the port number over which we will access Server Manager over HTTP. 6. In this example the WC_defaulthost_secure parameter is set to 9519 while the WC_defaulthost is set to 8999.

Communications

<u> </u>

Port Name Port BOOTSTRAP_ADDRESS 283	Details
BOOTSTRAP_ADDRESS 283	
	8
SOAP_CONNECTOR_ADDRESS 890	9
ORB_LISTENER_ADDRESS 915	0
SAS_SSL_SERVERAUTH_LISTENER_ADDRESS 951	6
CSIV2_SSL_SERVERAUTH_LISTENER_ADDRESS 951	7
CSIV2_SSL_MUTUALAUTH_LISTENER_ADDRESS 951	8
WC_adminhost 915	1
WC_defaulthost 899	9
DCS_UNICAST_ADDRESS 938	3
WC_adminhost_secure 915	3
WC_defaulthost_secure 951	9
SIP_DEFAULTHOST 511	4
SIP_DEFAULTHOST_SECURE 511	5
OVERLAY_UDP_LISTENER_ADDRESS 110	45
OVERLAY_TCP_LISTENER_ADDRESS 110	46
IPC_CONNECTOR_ADDRESS 965	7
SIB_ENDPOINT_ADDRESS 733	2
SIB_ENDPOINT_SECURE_ADDRESS 733	3
SIB_MQ_ENDPOINT_ADDRESS 561	2
SIB_MQ_ENDPOINT_SECURE_ADDRESS 561	3

- 7. Next, navigate to Environment -> Virtual hosts -> default_host -> Host Aliases.
- 8. Select **New** and add a host alias with Host Name set to ***** and the Port set to the entry noted for WC_defaulthost_secure (in this example it is 9519).

- 9. Click OK.
- 10. Click Save.
- **11.** Restart the Server Manager Console J2ee container (in this example, SMC_Server_e1wassmc_Console) from the command prompt using these commands:

Z:\Program Files (x86)\IBM\WebSphere\AppServer\profiles\JdeAppSrv1wassmc\bin>stopServer.bat SMC_Server_e1wassmc_Console

Z:\Program Files (x86)\IBM\WebSphere\AppServer\profiles\JdeAppSrv1wassmc\bin>startServer.bat SMC_Server_e1wassmc_Console

12. Next, access the Server Manager Console in the browser using an HTTPS/SSL based URL (https:// <Server_Manager_Console_HostName>:< WC_defaulthost_secure_port>/manage/home). In this example the URL is: https://denpbds11.example.com:9519/manage/home

Sign In	
Enter your user 1D and password.	
User ID	
Password	
Sign In	

This system is intended for limited (authorized) use and is subject to company policies.

13. Go to *Import Server Manager Console Certificate into the Server Manager Agent Truststore/Keystore* and perform the steps.

Import the Server Manager Console Certificate into All Java Installations That Are Used by Embedded Agents

You **must** also import the Server Manager Console certificate into all Java installations that are used by embedded agents to communicate with the Server Manager Console. For instructions, refer to the following sections of this guide:

- Import Server Manager Console Certificate into the Server Manager Agent Truststore/Keystore
- Import the Server Manager Console Certificate into All Java Installations That Are Used by Embedded Agents

Troubleshooting the Server Manager Console Installation on WebSphere Application Server

To troubleshoot the Server Manager Console installation on WebSphere Application Server:

1. Locate and inspect the contents of the .out and .err log files located in these directories:

Microsoft Windows

```
C:\<Server_Manager_Console_Home>\SCFMC\data
```

where <server_Manager_Console_Home> is the Server Manager Console installation directory. For example:

```
C:\jde_home_1\SCFMC\data
```

2. Locate and inspect the contents of the Server Manager Console installer-related log files for errors. These logs are typically located in following locations:



Note: The location of these logs and the log file name are displayed on in the lower portion of the installer screens during the installation process.

Microsoft Windows

C:\Program Files (x86)\Oracle\Inventory\logs

Linux or Solaris

/u01/app/oracle/oraInventory/logs

3. Locate and inspect the contents of the application server log files for errors. These logs are typically located in following locations:

```
C:\IBM\WebSphere\AppServer\profiles\AppSrv01\logs\server1\logs
```

C:\IBM\WebSphere\AppServer\profiles\AppSrv01\logs\SMC_Server_xxxx\logs

C:\IBM\WebSphere\AppServer\profiles\DMGR01\logs\dmgr\logs

C:\IBM\WebSphere\AppServer\profiles\AppSrv01\logs\ffdc

Please note the following bug numbers and special instructions with regard to the Server Manager Console installed on WebSphere:

BUG 14369731 - FOR SMC ON WAS 8.5 MANAGEMENT AGENTS SHOWING STOPPED IN HOME PAGE AFTER LOGIN

Issue/ Resolution:

This issue is specifically for a Server Manager Console installed on WAS 8.5 (typically not applicable to Server Manager Console on WAS 7.x). The issue is caused because the JMX ports being used by the Server Manager Console (14501/14502 by default) are not freed during the self-update process and as a result, when the Server Manager Console application is updated and starts up it is unable to bind to the same JMX ports. Thus, the Server Manager Console now binds to the next free set of ports available. Because the Server Manager Agents connected to the Server Manager Console are not aware of this, they still attempt to connect to the old Server Manager Console port (14501 by default). As a result they show a status of stopped as the Server Manager Console and Server Manager Agents are not able to communicate. This is being investigated as to whether this is an EnterpriseOne Server Manager bug or a IBM WebSphere issue.

The resolution is to restart the Server Manager Console J2EE server after the self-update using these steps:

1. Stop the Server Manager Console WAS J2EE container using:

Z:\Program Files (x86)\IBM\WebSphere\AppServer\profiles\AppSrv01\bin\stopServer.bat <server_name>Start the Server Manager Console J2EE server from the command line using:

Z:\Program Files (x86)\IBM\WebSphere\AppServer\profiles\AppSrv01\bin\startServer.bat <server_name> After applying these steps the Server Manager Agents connected to the Server Manager Console should show the correct statuses.

Troubleshooting the Tools Build Promotion Failing Error

If you see the following exception in the Server Manager Console J2EE container log while performing the self-update operation:



JD Edwards EnterpriseOne Tools Server Manager Installation Guide

```
Jun 01, 2018 2:37:48 PM GenericConnectorServer ClientCreation.run
WARNING: Failed to open connection: javax.net.ssl.SSLHandshakeException:
Received fatal alert: handshake failure
javax.net.ssl.SSLHandshakeException: Received fatal alert: handshake failure
at sun.security.ssl.Alerts.getSSLException(Alerts.java:192)
at sun.security.ssl.Alerts.getSSLException(Alerts.java:154)
<Jun 1, 2018 2:37:48,083 PM UTC> <Warning> <javax.management.remote.generic>
<BEA-000000> <Failed to open connection: javax.net.ssl.SSLHandshakeException:</pre>
Received fatal alert: handshake failure
javax.net.ssl.SSLHandshakeException: Received fatal alert: handshake failure
at sun.security.ssl.Alerts.getSSLException(Alerts.java:192)
at sun.security.ssl.Alerts.getSSLException(Alerts.java:154)
Truncated. see log file for complete stacktrace
>
Jun 01, 2018 2:37:48 PM com.jdedwards.mgmt.targets.mgmtconsole.ManagementConsole
changeComponentWithUserName WARNING: Unable to change the management console tools
release; unable to
perform remote authentication with wls admin server
<Jun 1, 2018 2:37:48,086 PM UTC> <Warning>
<com.jdedwards.mgmt.targets.mgmtconsole.ManagementConsole> <BEA-000000>
<Unable to change the management console tools release; unable to perform
remote authentication with wls admin server>
Jun 01, 2018 2:37:48 PM org.apache.commons.modeler.BaseModelMBean invoke
SEVERE: Exception invoking method changeComponentWithUserName
```

Use the following procedure to resolve the issue and to update the Server Manager Console to the Tools release 9.2.2.6 or later:

- 1. Download the Server Manager Console for Tools update for release 9.2.2.6 from the Update Center.
- 2. Extract the ManagementLoginModule_JAR.jar file from the par file.
- **3.** Stop the Server Manager Console and the Admin Server (and any other running Managed Servers) from the Weblogic Domain on which the Server Manager Console is being installed.
- **4.** Overwrite the X:\\$MIDDLEWARE_HOME\user_projects\domains\base_domain\lib directory file with the extracted ManagementLoginModule_JAR.jar file.
- 5. Start the Admin Server and the Server Manager Console (and other Managed Servers if required).

For more information, see BUG 28122456 - SERVER MANAGER ON 9.2.2.5 BUILD - TOOLS PROMOTION IS FAILING

Note: Customers who perform fresh installations of the Server Manager Console from Tools release 9.2.2.6 or later will not run into this issue since the ManagementLoginModule_JAR.jar file containing the fix will be copied to X:\ \$MIDDLEWARE_HOME\user_projects\domains\base_domain\lib directory

Troubleshoot the Management Console Installation

Note: Starting with JD Edwards EnterpriseOne Tools Release 9.2.4.3, there is no support for connecting to Server Manager Console and Server Manager Agent(s) using jconsole, any other JMX Client, or using a Java Debugger.

This section discusses these topics:

Installer Fails to Complete



- Management Console Will Not Start
- Management Console Will Not Save Configuration Settings

Installer Fails to Complete

If the Management Console installer fails to complete, an exception screen is displayed. For details, examine the log file located in the <code>oraclelInventorylogs</code> directory.

Tip:

The log file location is displayed on the End of Installation screen for the Management Console installer. Refer to the section of this guide entitled: *Install the Server Manager Management Console for JD Edwards EnterpriseOne Tools*.

For example, the complete path and log file name might be:

C:\Program Files (x86)\Oracle\Inventory\logs\installActions2011-10-18-02-15-14PM.log

Management Console Will Not Start

The HTTP port number must be available and cannot be in use by any other application on this machine. Since the installer cannot validate the port, you must be certain that these conditions are met or else the *Management Console* will not start.

Management Console Will Not Save Configuration Settings

If the *Management Console* generates an error when you try to save configuration settings, verify that the JMX port that the *Management Console* is using is not being used by another application. To view what port is currently set as the JMX port and to change it, use the *Management Agent Port Assignments* section on the *Management Agents* page of the *Management Console*.

For example:

Management Agent Port Assignments
Use the form below to alter the ports used by the management console and assigned to remote agents. Management Server JMX Port I 15501
Management Agent Starting Port
Save
Modification of the management server JMX port should be performed prior to installing any managed agents. Changing the port while there are deployed management agents will cause unpredictable and undesirable results.
Remote agents currently connected to the management console will not be affected by changes to the agent starting port. New connections to the management console will utilize the changed value.

Accessing a Secure Profile from Server Manager

There is now an option to either use the existing **DummyClientTrustFile.jks** and **DummyClientKeyFile.jks** files or use a custom **TrustStore** and **KeyStore** file which is more secure and is recommended by IBM. Prior to the JD Edwards EnterpriseOne 9.2 Tools Release, Server Manager always used DummyClientTrustFile.jks and DummyClientKeyFile.jks, which were located in the respective profile WASInstall>/AppServer/profiles/profile/etc location.

Using the Existing DummyClientTrustFile.jks and DummyClientKeyFile.jks files

When you are registering a brand new WAS Instance from the Server Manager Console, you can keep the TrustStore File, TrustStore File Password, KeyStore File, and KeyStore File Password as blank.

	Instance Type	Instance Properties	Confirmation	Finish
Instance Name				
Application Server Install Location				
TrustStore File				
TrustStore File Password				
KeyStore File				
KeyStore File Password				
•				

If you have already registered a WAS Instance and would like to use the default DummyClientTrustFile.jks and DummyClientKeyFile.jks files from the <profile>/etc. folder like the pre 9.2 Tools Release, then you will need to:

- **1.** Open the registered WAS instance page.
- 2. In the Instance Properties section (top right), blank out or clear the TrustStore File and KeyStore File fields.
- 3. Click the Save button next to these fields.

BM WebSphere			
General	Instance Properties		
Product Description IBM WebSphere Application Server - Express Version 8.5.5.0	Application Server Install Location D:\1BM\WebSphere\AppServer Instance Name () Was8SShkaller TrustStore File () C:\temp\wastrust.jks Save KeyStore File Password () C:\temp\waskey.jks Save KeyStore File Password () Save		

4. Restart the Server Manager Agent.

Server Manager will now start using the default DummyClientTrustFile.jks and DummyClientKeyFile.jks files from the </www.clientManager.vev/profiles/etc folder, as it would in the pre 9.2 Server Manager.



Using a Custom TrustStore and KeyStore File

Before we proceed further, it is assumed that a secure profile has already been created and the required changes have been made to the **soap.client.props** file. We also assume that you have the IBM IKEYMAN GUI based utility available. The IKEYMAN utility is installed by default when you install IBM Websphere or IBM HTTPServer.

Note: Server Manager supports only one set of TrustStore and KeyStore files for the whole WAS Instance. So, if you have multiple Secure Profiles created, you will need to import the TrustStore and KeyStore certificates from each of these profiles to one single TrustStore and KeyStore file.

Importing the TrustStore Certificate

To import a TrustStore certificate:

- **1.** Start the IKEYMAN GUI utility.
- 2. Create a new TrustStore Database File by selecting Key Database File, and then select New.
- 3. In the new dialog box select:
 - Key database type = JKS
 - **Filename** = give any name
 - **Location** = any location where the new Key Database file will be generated.
- 4. Click **OK**. The password dialog box will popup.

ſ	New	No. of Content of Content	×
	Key database type	JKS	
l	Eile Name:	MyTrustore jiks Br	rowse
l	Location:	C:\temp\	
l		<u>Q</u> K <u>C</u> ancel	

5. In the password dialog box, provide a password for the TrustStore database file that is being created and click **OK**.

Note: Be sure to write down this password to have it available to provide to the Server Manager Console later when configuring the TrustStore and KeyStore Files for the secure profile.

Now we will import the TrustStore file from the WAS Secure Profile location. To import the TrustStore file:

- 1. Click **Import** to bring up the **Open** dialog box to import the trust.p12 file from the WAS Secure Profile's etc folder.
- 2. In the Key file type field, select PKCS12.



3. For the **File Name** field, click **Browse** and select the **trust.p12** file from your <WASInstall>/AppServer/profiles/ <pro>cprofile/etc folder.

Open	No. Station color	×
Key file type	PKCS12	
Eile Name:	trust.p12	Browse
Location:	D:\IBM\WebSphere\AppServer\profiles\AppSrv01\etc	
	QK <u>Cancel</u>	

- 4. Click OK.
- 5. When prompted for a password, use *WebAS*, which is the default password for all of the profile's TrustStore and KeyStore files.
- 6. Click OK. This will bring up the Change Labels dialog box.
- 7. Select **root** from **Select a label to change**, and enter a new label name like *Profile1root* to make sure every certificate that is imported from different profiles has a unique name associated with it.

Change Labels	×
Would you like to change any of these labels before completing the import proce	ss? <u>O</u> K
Select a label to change:	
root	Cancel
To change a certificate's label, se	lect it from this list
Enter a new label:	
Profile1root	
Apply	

8. Click Apply.

9. Click **OK** to save.

The TrustStore that you have imported in the above steps will now be listed under the IKEYMAN Signer Certificates.



2	IBM Key Management - [C:\temp\MyTrustore.jks]		
ſ	Key Database <u>F</u> il	le <u>C</u> reate <u>V</u> iew <u>H</u> elp	
	🗅 🚔		
ľ		Key database information	
I	DB-Type:	JKS	
J	File Name:	C:\temp\WyTrustore.jks	
I	Token Label:		
I		Key database content	
I	Signer Certifica	ates 🗸	
I	profile1root		
		List of certification authority (CA).	

If you do not see the imported certificates under the **Signer Certificates** section, then the import did not work and you need to redo these steps for *Importing the TrustStore Certificate* from the beginning.

If you are using multiple Secure Profiles, you will need to import the TrustStore keys from each of these profiles to the same JKS database file. The instructions remain the same.

Close the newly created TrustStore Database by selecting **Key Database File**, and then select **Close**.

Importing the KeyStore Certificate

We will now create a KeyStore File and will import the KeyStore from the WAS Secure Profile. To import the KeyStore Certificate:

- 1. Create a new KeyStore Database File by selecting **Key Database File**, and then select **New**.
- 2. In the new dialog box select:
 - Key database type = JKS
 - **Filename** = give any name
 - **Location** = any location where the new Key Database file will be generated.
- 3. Click **OK**. The password dialog box will popup.

New		×
Key database type	JKS	
Eile Name:	MyKeystore.jks	Browse
Location:	C:\temp\	
	<u>Q</u> K <u>C</u> ancel	

In the password dialog box, provide a password for the KeyStore database file that is being created and click **OK**.



Note: Be sure to write down this password to have it available to provide to the Server Manager Console later when configuring the TrustStore and KeyStore Files for the secure profile.

Now we will import the KeyStore file from the WAS Secure Profile location. To import the KeyStore file:

- 1. Click **Import** to bring up the **Open** dialog box to import the trust.p12 file from the WAS Secure Profile's etc folder.
- 2. For the Key file type field, select PKCS12.
- **3.** For the **File Name** field, click **Browse** and select the **trust.p12** file from your <WASInstall>/AppServer/profiles/ <profile>/etc folder.

Open	No. of Concession, Name	×
Key file type	PKCS12 -	
Eile Name:	key.p12	Browse
Location:	D:\IBM\WebSphere\AppServer\profiles\AppSrv01\etc\	
	<u>Q</u> K <u>Cancel</u>	

- 4. Click **OK**.
- 5. When prompted for a password, use *WebAS*, which is the default password for all of the profile's TrustStore and KeyStore files.
- 6. Click OK. This will bring up the Change Labels dialog box.
- 7. Select **default** from **Select a label to change** and enter a new label name like **Profile1default** to make sure every certificate that is imported from different profiles has a unique name associated with it.

Change Labels		×
Would you like to change any of the Select a label to change: Profile1default	ese labels before completing the import process?	QK Cancel
Enter a new label:		
Profile1default		
	Apply	

- 8. Click Apply.
- 9. Click OK to save.

The KeyStore you have imported in the above steps will now be listed under the IKEYMAN Personal Certificates.



👰 IBM Key M	anagement - [C:\temp\MyKeystore.jks]	
Key Database Ei	le <u>C</u> reate <u>V</u> iew <u>H</u> elp	Ī
	Key database information	
DB-Type:	JKS	
File Name:	C:tempWyKeystore.jks	
Token Label:		
	Key database content	
Personal Certi	ficates	
profile1default		ĺ

If you do not see the imported certificates under the **Signer Certificates** section, then the import did not work and you will need to redo these steps for *Importing the KeyStore Certificate* from the beginning.

If you are using multiple Secure Profiles, you will need to import KeyStore keys from each of these profiles to the same JKS database file. The instructions remain the same.

Close the newly created KeyStore Database by selecting **Key Database File**, and then select **Close**.

Configuring the Server Manager Console to Use Custom TrustStore and KeyStore Files

It is assumed that you have already created your own TrustStore and KeyStore files by following the previous steps. In this section we will configure the Server Manager Console to use the custom TrustStore and KeyStore files we have previously created. Make sure you copy these TrustStore and KeyStore files to a location on the host machine which is accessible for the Server Manager Agent which is managing the WAS you have registered. These files should be accessible to the Server Manager Agent which is managing the WAS instance. So, you will need to provide proper access to the file location depending on your Server Manager Agent host for OS Windows/UNIX/AS400.

If you have already registered a WAS Instance and would like to use the custom TrustStore and KeyStore files:

1. Open the registered WAS instance page.

- 2. In the Instance Properties section (top right), enter the details below for each editable field:
 - **TrustStore File** enter the complete path to the TrustStore File, including the filename, and click **Save**.
 - **TrustStore File Password** enter the password used when the TrustStore file was created and click **Save**.
 - KeyStore File enter the complete path to the KeyStore File, including the filename, and click Save.
 - **KeyStore File Password** enter he password you have used while creating the KeyStore file, and click **Save**.

Insta	nce Properties
Applik	cation Server Install Location
	D:\IBM\WebSphere\AppServer
Instar	nce Name 🕕
	Was855bkalleri
Trust	Store File 🕕
	C:\temp\mytruststore.jks Sav
Trust	store File Password (1)
	Save
KeySt	tore File 🕕
	C:\temp\mykeystore.jks Save
KeySt	tore File Password (1)
	Save

3. Restart the Server Manager Agent.

If you are registering a brand new WAS Instance and would like to use custom TrustStore and KeyStore files:

- 1. Navigate to the Create/Register A Managed Instance page.
- 2. In the Instance Properties section, enter the details below for each editable field:
 - Instance Name provide a valid/unique Instance name for the WAS instance.
 - **Application Server Install Location** provide the location of your WAS Application Server Install.
 - TrustStore File list the complete path to the TrustStore File, including the filename.
 - TrustStore File Password enter the password used when creating the TrustStore file.
 - KeyStore File list the complete path to the KeyStore File.
 - **KeyStore File Password** enter the password used when creating the KeyStore file.

instance of the selected type. Complete t	the required helds and select. Continue to pro
	Instance Type
Instance Name	Was855bkalleri2
Application Server Install Location	D:\IBM\WebSphere\AppServer
TrustStore File	C:\temp\Mytruststore.jks
TrustStore File Password	******
KeyStore File	C:\temp\Mykeystore.jks
KeyStore File Password	******

3. Click Continue.



Complete the Management Console Setup Wizard

This section discusses:

- Access the Management Console
- Run the Management Console Setup Wizard

Access the Management Console

After the initial installation of the *Management Console*, an administrator can sign on to the *Management Console* using the jde_admin user and password specified during the installation. Access the *Management Console* using this URL:

http://servername:port/manage

where server_name is the name of the Server Manager machine on which the Management Console is installed, and

where **port** is the port that you specified for the *Management Console* when you ran the *Management Console* installer.

For example:

http://denlcmwn5.mlab.jdedwards.com:7000/manage/



ORACLE' J	D	Edwards	Enter	priseOne	Server	Manager
-----------	---	---------	-------	----------	--------	---------

	Sign In				
	Enter your user ID and password. User ID				
	Password				
	Sign In				
This system is intended for limited (authorized) use and is subject to company policies.					

Run the Management Console Setup Wizard

The setup wizard guides you through the initial setup and configuration of the *Server Manager Management Console*. The wizard automatically starts the first time you access the *Management Console* after running the *Management Console* installer.



Tip:

You can stop and log out of the Management Console at any time. Upon signing back into the Management Console ,you automatically return to the same wizard step.

Alternately, you can access the setup wizard at any time by entering this URL on the *Management Console* machine:

http://servername:port/manage

whereserver_name is the name of the Server Manager machine on which the Management Console is installed, and

whereport is the port you specified for the *Management Console* when you ran the *Management Console* installer.

For example:

http://denlcmwn5.mlab.jdedwards.com:7000/manage/welcome



ORACLE JD Edwards EnterpriseOne Server Manager			② Documentation and Support			Sign Out	
Introduction							
	Introduction	Server Manager Ports	Database Setup	JDBC Drivers	E1 User Import	Finish	
Welcome to Server Mana	ager for JD Edwards Ent	erprise0ne!					
This wizard will guide you thre same wizard step after signin		onfiguration of this Server Manag nt console.	er management console. If	desired you may stop a	nd logout of the managem	ent console at any time; y	ou will be returned to the
							Next

1. On Introduction, click Next to continue with the wizard.

ORACLE' JD Edwards EnterpriseOne Ser	ver Manager	(2) Documentation and Support	Sign Out
Server Manager Ports			
Introduction Server Mar	Arger Ports Database Setup	JDBC Drivers E1 User Import	Finish
Welcome to Server Manager for JD Edwards EnterpriseOne!			
Server Manager is comprised of a central management console and distri management console using a secure TCP/IP connection based on Java M		ysical machines that host the EnterpriseOne serve	er components. The agents communicate with the
There are two port settings that must be configured. The first is the 'Mar on the management console machine. Once set this port cannot be chan			console. This port must be unique and not in use
Once an agent connects to the management console using the 'Managen for the physical machine beginning with the value specified for 'Managen assign each agent a unique value from the range (14501, 14502, and 14 physical machine then connects with the management console it would be EnterpriseOne software.	ment Agent Starting Port'. For example if this v 403). If an additional agent on the same mach	value is set to '14501' and three agents are runni nine connects to the management console it would	ng on the same remote machine the console would d assign value '14504'. If an agent on a different
Management Server JMX Port 🔔	14501		
Management Agent Starting Port 🔔	14502		
			Previous Next

Server Manager is comprised of a central *Management Console* and distributed *Management Agents* that reside on the physical machines that host the EnterpriseOne server components. The *Management Agents* communicate with the *Management Console* using a secure TCP/IP connection based on Java Management Extensions (JMX).



- 2. On Server Manager Ports, complete these fields:
 - Management Server JMX Port

This port is used by *Management Agents* to connect to the *Management Console*. This port must be unique and not in use on the *Management Console* machine. Once it is set, you cannot change this port without having to reinstall *Server Manager Management Agents*.

The default value is 14501.

• Management Agent Starting Point

Once a *Management Agent* connects to the *Management Console* using the *Management Server JMX Port*, the *Management Console* dynamically assigns a port on which that *Management Agent* should listen. The *Management Console* assigns the next unused port for the physical machine beginning with the value specified for *Management Agent Starting Port*.

For example if you set this value to 14501 and three *Management Agents* are running on the same remote machine, the *Management Console* assigns each *Management Agent* a unique value from the range (14501, 14502, and 14503). If an additional *Management Agent* on the same machine connects to the *Management Console*, the *Management Console* assigns the value 14504. If a *Management Agent* on a different physical machine then connects with the *Management Console* it assigns the value 14501. This value can be changed at any time without the need to reinstall or restart any deployed *Management Agent* or EnterpriseOne software.



3. Click Next to continue the wizard.

Sen	ver Manager	Docum	entation and Support	Sign Out
er Mar	ager Ports Database Setup JDBC Dr	ivers	E1 User Import	Finish
nel				
				, where release refers to the EnterpriseOne
The v	alues will be validated in a later step in this wizard.			
œ	System - 910]	
œ	Oracle Database			
œ	ovsorcl			
œ	den00mx3			
œ	1521			
œ			1	
œ	SY910		1	
œ	· •			
œ	V			
				Previous Next
	er Mar atasou ji) ji) ji) ji) ji) ji) ji) ji)	nel atasource during administrative activities. The system datasour by looking at the [D8 SYSTEM SETTINGS] section of the JDE.INI The values will be validated in a later step in this wizard. (I) System - 910 (I) Oracle Database (I) ovsorcl (I) den00mx3 (I) 1521	er Manager Ports Database Setup JOBC Drivers nel atasource during administrative activities. The system datasource is typically r by looking at the [DB SYSTEM SETTINGS] section of the JDE.INI that is used b The values will be validated in a later step in this wizard. (I) System - 910 (I) Oracle Database (I) ovsorcl (I) den00mx3 (I) 1521 (I) (I) SY910 (I) V	er Manager Ports Database Setup 30BC Drivers E1 User Import nel atasource during administrative activities. The system datasource is typically named 'System - Release by looking at the [D8 SYSTEM SETTINGS] section of the JDE.INI that is used by client workstations. The values will be validated in a later step in this wizard. (i) System - 910 (i) Oracle Database (ii) ovsorcl (ii) den00mx3 (ii) 1521 (ii) (ii) SY910 (ii) V

Server Manager may need to occasionally connect to the system datasource during administrative activities. The system datasource is typically named *System Release*, where *Release* refers to the EnterpriseOne release level such as 900. The settings required can be obtained from the [DB SYSTEM SETTINGS] section of the JDE.INI that is used by Development Client.



- **4.** On Database Setup, complete the fields whose values will be validated in a later step in this wizard:
 - System Datasource Name

Enter the name of the data source where the OCM and other system tables reside.

This entry corresponds to the Base Datasource entry in [DB SYSTEM SETTINGS].

Note: This setting is not critical for bootstrap connections, but if it is missing or incorrect, appropriate error messages will be logged.

• Database Type

This value defines the type of database this datasource represents. Valid values are:

- AS/400
- Oracle Database
- SQL Server
- IBM DB2

This entry corresponds to the Type entry in the [DB SYSTEM SETTINGS] in the JDE.INI of a JD Edwards EnterpriseOne Web Development Client.

• Database Name

Enter the name of the database that this datasource represents. This entry is applicable only to Oracle database and UDB database types.

The value for this entry corresponds to the Database entry in the [DB SYSTEM SETTINGS] in the JDE.INI of a JD Edwards EnterpriseOne Web Development Client.

For the Oracle database, the value of this entry is the name of the connect string (SID) identifying the database in the tnsnames.ora configuration file.

• Database Server Name

Enter the name of physical machine that contains the database application. This entry corresponds to the 'Server' entry in the [DB SYSTEM SETTINGS] in the JDE.INI of a *JD Edwards EnterpriseOne* Web Development Client.

• Database TCP/IP Port

Specify the TCP/IP port used to communicate with the database.

This entry corresponds to the serverPort entry in the [DB SYSTEM SETTINGS] in the JDE.INI file of a JD Edwards EnterpriseOne Web Development Client.

If a database port is not applicable, such as DB2/400 datasources, enter a zero.

• Physical Database

Enter the physical database name.

For AS/400 datasource types, this specifies the library name.

For MS SQL Server datasource types, this specifies the actual database name.

Otherwise, this setting is not used for the other datasource types.



This entry corresponds to the DatabaseName2 entry in the [DB SYSTEM SETTINGS] in the JDE.INI file of a JD Edwards EnterpriseOne Web Development Client.

• Object Owner

Enter the object owner or schema of the tables within the database this datasource represents.

This setting is only used for Oracle, SQL Server, and UDB datasource types.

This entry corresponds to the Object Owner entry in the [DB SYSTEM SETTINGS] in a JDE.INI for of a JD Edwards EnterpriseOne Web Development Client.

• Supports Large Objects (LOBs)

Defines whether the datasource supports large objects (LOBs) as a column type.

This setting is used for Oracle and AS/400 datasource types only.

This entry corresponds to the LOBFLAG entry in the [DB SYSTEM SETTINGS] in a JDE.INI for of a JD Edwards EnterpriseOne Web Development Client.

• Unicode Database

Defines whether the datasource contains UNICODE encoded data.

This setting is only used for SQL Server.

This entry corresponds to the UnicodeFlag entry in the [DB SYSTEM SETTINGS] in a JDE.INI for of a JD Edwards EnterpriseOne Web Development Client.

5. Click Next to continue the wizard.

Note: In this context at this stage in the Welcome Wizard, the JDBC drivers are only required to complete the next step in the Wizard, which is to import users from an existing *JD Edwards EnterpriseOne* installation.

For information on managing JDBC drivers, refer to the chapter of the Server Manager Guide entitled: Manage JDBC Drivers.

When your *Management Console* already has the appropriate JDBC driver, the *Management Console* displays the message **The appropriate JDBC driver has been successfully detected and initialized** and then prompts you to restart the *Management Console* in order to use the drivers.

6. On JDBC Drivers, click the **Restart Management Console** button.

Note: It might take a few minutes for the *Management Console* to restart. Upon restart, you are prompted to enter your *Management Console* login credentials. *Server Manager* returns you to the same *Management Console* Setup Wizard step that you were using before to the restart.

7. Click Next.

The *Management Console* verifies that your JDBC Driver is properly setup and if so it proceeds to the next screen. If not, then you are prompted to remedy errors as appropriate.



8. On Database Setup, the *Management Console* displays the appropriate page depending on the database that you selected from the Database Type dropdown, as described in these substeps:

AS400, see Substep a.

Oracle database, see Substep b.

MS SQL Server, see Substep c.

IBM DB2, see Substep d.

a. For AS400, once the Database Setup and JDBC Drivers forms are properly completed, the last page on the JDBC Drivers portion of the wizard is displayed indicating that the appropriate JDBC driver has been successfully detected and initialized:

ORACLE' JD Edwards Ent	ORACLE' JD Edwards EnterpriseOne Server Manager			cumentation and Support	Sign Out
JDBC Drivers					
 Introduct	ion Server Manager Ports	Database Setup	JDBC Drivers	E1 User Import	Finish
Welcome to Server Manager for JD Edwa	ards EnterpriseOnel				
The Server Manager Console uses the Application to upload the JDBC driver for Oracle database.					Console is running on WebSphere it is necessary
Enter the contents of the tinsnames.ora file	that the mangement console should use bek	w.			
File Contents 🕕					
OVSORCL = (DESCRIPTION = (ADDRE	SS_LIST =	CP) (HOST = den00	mxe)(PORT = 15	21))	
(CONNE)	CT_DATA = (SERVICE_NAME = ovsorcl)				
,					

b. For the Oracle database, you are prompted to complete this form to configure your tnsnames.ora file:

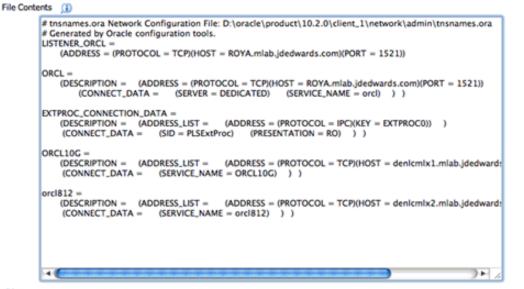
JDBC Drivers



Welcome to Server Manager for JD Edwards EnterpriseOne!

The management console includes a JDBC driver for Oracle databases; uploading a suitable driver is not necessary. In order to successfully connect to the Oracle database the themase.ora must be configured below.

Enter the contents of the thanames.or a file that the mangement console should use below.



The appropriate JDBC driver has been successfully detected and initialized.

Previous Next

Tip: You can cut and paste the contents of the tnsnames.ora file from the *JD Edwards EnterpriseOne* Web Development Client into this form.

c. For Microsoft SQL Server, you are initially prompted to upload the mssql-jdbc-7.4.1.jre8.jar file.

Note: Depending on the value that you enter for *Database Type*, the wizard chooses the appropriate next screen for JDBC Drivers. If the *Management Console* displays this message, you have already uploaded the appropriate driver and proceed to Step 8.

Interpropriate JDBC driver has been successfully detected and initialized.

If you have not yet uploaded the JDBC driver for the database that you selected, the *Management Console* displays the appropriate form that you can use to Upload the driver.



JDBC Drivers Introduction Server Manager Ports Database Setup JDBC Drivers E1 User Import Finish Welcome to Server Manager for JD Edwards EnterpriseOne! The management console requires an appropriate JDBC driver in order to connect to the configured SQL Server datasource. Image: The appropriate JDBC driver has been successfully detected and initialized.

d. For IBM UDB, once the Database Setup and JDBC Drivers forms are properly completed, the last page on the JDBC Drivers portion of the wizard is displayed indicating that the appropriate JDBC driver has been successfully detected and initialized:

JDBC D	rivers						
	Introduction	Server Manager Ports	Database Setup	JDBC Drivers	E1 User Import	Finish	
Welcome to Server Manager for JD Edwards EnterpriseOne!							
The management console requires an appropriate JDBC driver in order to connect to the configured UDB/DB2 datasource. The binary directory of the DB2 client software must be within the system path (environment variable PATH), and the DB2 catalog must be correct.							

 ${\mathscr O}$ The appropriate JDBC driver has been successfully detected and initialized.

Previous Next



9. When you have completed setting up your JDBC drivers, click Next.

The *Management Console* saves the current configuration data before continuing to the next screen. This enables you to exit and re-enter the wizard and not lose any entered configuration data up to this point in the wizard.

	erpriseOne Server Manag	er	🕐 Docu	mentation and Support		Sign Out
Li oser import						
Introduct	ion Server Manager Ports	Database Setup	JDBC Drivers	E1 User Import	Finish	
Welcome to Server Manager for JD Edwa	rds EnterpriseOne!					
You may optionally import the EnterpriseOne us	ers from the previously configured system	datasource. Importing users	s will add the user name	s to the management cons	ole user repository.	
If you do not wish to import the EnterpriseOne	user names you may proceed to the next	step. EnterpriseOne users m	ay always be added to t	he management console u	ser repository at a later time.	
Specify the credentials necessary to connect to	the previously configured datasource. Th	e credentials supplied here a	re database credentials	and not EnterpriseOne use	er credentials.	
Datab	ase User Name 🕠					
Data	abase Password 🕕					
	Connect					
					Previo	IS Next

10. On E1 User Import, you can optionally import the *JD Edwards EnterpriseOne* users from the previously configured System Datasource. Importing users adds the user names to the *Management Console* user repository.

If you do not wish to import the EnterpriseOne user names, you can proceed to Step 11. *JD Edwards EnterpriseOne* users can always be added to the *Management Console* user repository later. Refer to the chapter of the *Server Manager Guide* entitled: *Configure Management Console Users*.

If you want to import *JD Edwards EnterpriseOne* users, you must specify the credentials necessary to connect to the previously configured datasource. The credentials supplied here are database credentials and not EnterpriseOne user credentials.

• Database User Name

Enter a valid user name for the database to use when connecting directly to the configured database.

• Database Password

Enter a valid password for the user name specified in the Database User Name field.



11. Click Next to continue with the setup wizard.

ORACLE' JD Edwards Enterprised	er	(2) Doc	umentation and Support		Sign Out	
1 1111211						
Introduction	Server Manager Ports	Database Setup	JDBC Drivers	E1 User Import		
Welcome to Server Manager for JD Edwards Enterp	riseOnel					
Congratulations! The management console is now configured and ready to administer your 3D Edwards EnterpriseOne installation.						
Please refer to the documentation for additional steps that a	Please refer to the documentation for additional steps that are typically performed after the initial installation. These may include the following tasks:					
 Configure Server Groups Server groups are used to logically separate similarly servers. Configure Management Users You may create user groups to logically associate us management console. Install and Register Servers Once the desired server groups are created and con and the web-based EnterpriseOne servers. 	ser names with their activity ro	le. By granting the user gro	ups individual permissio	ns you control what task a	nd activities users may perfo	rm within the

Congratulations! The *Management Console* is now configured and ready to administer your *JD Edwards EnterpriseOne* installation.

- **12.** On Finish, you are advised to review the *Management Console* documentation for additional steps that are typically performed after the initial installation. These steps include:
 - Configure Server Groups

Server groups are used to logically separate servers with a similar purpose. For example, you might create one server group that contains the development servers and another group that contains the production servers.

Refer to the sections in the Server Manager Guide entitled: Administer Server Groups .

• Configure Management Users

You can create user groups to logically associate user names with their activity role. By granting the user groups individual permissions, you control what task and activities users may perform within the *Management Console*.

Refer to the section in the *Server Manager Guide* entitled: *Administer Management Console Users and User Groups*.

Install and Register Servers

Once the desired server groups are created and configured you can use *Server Manager* to register your existing Enterprise Servers and application servers or perform new installations of Enterprise Servers and the web based EnterpriseOne servers.

Refer to the sections in the Server Manager Guide entitled:

- Register an Application Server
- Register or Create a JD Edwards Enterprise Server as a New Managed Instance



- Create a JD Edwards EnterpriseOne Web-Based Server as a New Managed Instance

This chapter includes the steps to create these *JD Edwards EnterpriseOne* web-based servers:

- HTML Web Server
- Transaction Server
- Collaborative Portal
- Business Services Server
- **13.** Click Finish to complete the *Management Console* setup wizard.

Upgrade the Server Manager Management Console with Oracle WebLogic Server 12.1.2

This section discusses these topics:

- Overview
- Uninstalling Server Manager Console Installed on Oracle WebLogic Server 10.3.6
- Installing Oracle WebLogic Server 12.1.2
- Installing Server Manager Console on WebLogic Server 12.1.2
- Restoring the Previous Server Manager Console Configurations

Overview

The purpose of this document is to provide information about upgrading the Server Manager Console to be used with WebLogic Server 12.1.2.

There is no direct upgrade path available for upgrading Server Manager Console installed on WebLogic Server 10.3.6 to WebLogic Server 12.1.2.

WebLogic Server 12.1.2 has to be a new install and Server Manager Console needs to be installed on it.

Most of the Server Manager configuration from the previous installation can be preserved with some manual configuration.

The steps below can be followed to upgrade Server Manager Console install to WebLogic Server 12.1.2

- 1. Uninstall the Server Manager console installed on WebLogic Server 10.3.6.
- 2. Install Oracle WebLogic Server 12.1.2.
- **3.** Install Server Manager Console on WebLogic Server 12.1.2.
- **4.** Restore the previous Server Manager Console Configurations.

Uninstalling Server Manager Console Installed on Oracle WebLogic Server 10.3.6

To uninstall the Server Manager Console, you must use the Oracle Universal Installer.



Prior to uninstalling the existing Server Manager Console, keep a backup these folders and files:

- 1. The folder "<SM_CONSOLE_HOME>\targets\home\config"
- 2. management-console.xml under "<SM_CONSOLE_HOME>\targets\home"
- 3. monitors.xml under "<SM_CONSOLE_HOME>\targets\home"
- 4. scf-history.xml under "<SM_CONSOLE_HOME>\targets\home"
- 5. security-realm.xml under "<SM_CONSOLE_HOME>\targets\home"

To uninstall the Server Manager Console using the Oracle Universal Installer:

Note: The JRE or JDK that was specified during installation was copied to the Oracle Home (for example, installation directory); the deinstaller uses that JRE or JDK when it is run so no -jreloc argument is needed.



1. Invoke the Oracle Universal Installer on the Server Manager Console installed machine.

🛣 Oracle Universal Installer: Welcome	
ORACLE JD Edwards EnterpriseOne	
Malaama	
Welcome	
The Oracle Universal Installer guides you through the installation and configurati Oracle products.	on of your
Click "Installed Products" to see all installed products.	
Deinstall P	roducts
About Qracle Univ	ersal Installer
Help Installed Products Back Next Install	Cancel



2. The welcome screen appears. Click on Deinstall Products.

🛣 Inventory 📃 🔀
Contents Environment
You have the following Oracle products installed:
- Oracle Homes
⊕ BMConsole
🕒 🖸 SMAgent 📃 📃
Product Information Location: C:\SMConsole
Show empty homes.
If you want to remove Oracle software, please check the items and click "Remove".
To see the languages installed and other details of a component, select the component and then click "Details".
Expand All Collapse All Details Remove
Help Save As Close

3. The Inventory screen appears. Select the Server Manager Console component. Click **Remove**. This will guide you further and remove the Server Manager Console component.

Installing Oracle WebLogic Server 12.1.2

The examples in this document assume you are using a Windows based platform. If you are installing the Oracle WebLogic Server on a UNIX machine, some of the files names and directories may be slightly different. When installing on UNIX, the Oracle web tier components should be installed using a non-root user.



Note:

- Microsoft Windows: HTML Server on Oracle WebLogic Server Reference Guide Release 9.2 for Microsoft
 Windows
- UNIX: HTML Server on Oracle WebLogic Server Reference Guide Release 9.2 for UNIX
- Download the "Oracle Fusion Middleware 12c WebLogic Server and Coherence (12.1.2.0.0)" package that is appropriate for your platform from the Oracle Software Delivery Cloud site (<u>https://edelivery.oracle.com</u>). The file name of the installer is wls_121200.jar. Refer to the JD Edwards EnterpriseOne Certifications for more information.
- 2. Unzip the downloaded file into a temporary directory on the machine you are targeting for installation.
- 3. Open a Command window with Run as Administrator option and run this command from the prompt:

```
>java -jar wls_121200.jar
```

For HP-UX and Solaris use the '-d64' option:

```
>java -jar -d64 wls_121200.jar
```

The first screen you will see is the Welcome screen.



Oracle Fusion Middleware 12c We	bLogic Server and Coherence Installation - Step 1 of 7		
Welcome			
Welcome Installation Location Installation Type Prerequisite Checks Installation Summary Installation Progress Installation Complete	Welcome to the Oracle Fusion Middleware 12c (12.1.2.0 Use this installer to create a new Oracle home that conta Coherence software. You can use this software to con of Java applications. For more information, see <u>Install, Patch, and Uporade</u> in t Context-sensitive online help is available from the <u>H</u> elp b	.0) WebLogic Server and Coherence ains the Oracle WebLogic Server and figure a WebLogic Server domain for the Oracle Fusion Middleware docum	Oracle the deployment
Нер	Copyright (c) 1996, 2013, Oracle and/or its affiliates. All r		nish Cancel

4. Click the **Next** button to begin the installation.

0	Oracle Fusion Middleware 12c We	bLogic Server and Coherence Installation - Step 2 of 7		- • •
Ir	stallation Location			
Ψ	Welcome	Qracle Home:		
9	Installation Location	C:\oracle\Middleware	-	Browse
ψ	Installation Type	Feature Sets Installed At Selected Oracle Home: View		
Ψ	Prerequisite Checks			
ψ	Installation Summary			
Ý	Installation Progress			
5	Installation Complete			
		Oracle Home may only contain alphanumeric, underscore (_),	hunhan () or dot() characters and	a must begin with an
		 Oracle Home may only contain alphanumenc, underscore (_), alphanumeric character. 	hyphen (-) or dot(.) characters and	a must begin with an
ſ	Help		< Back Next > Fin	ish Cancel

If you have an existing directory into which one or more Oracle products have already been installed, that directory can be viewed in the drop-down list. You can see which products are installed in that particular directory by clicking View next to "Features Sets Installed at Selected Oracle Home."

If you want your product to be installed in a new directory, type the full path of your new directory in the Oracle Home field; the installer will create the specified directory for you.



5. Click Next.

Oracle Fusion Middleware 12c We	ebLogic Server and Coherence Installation - Step 3 of 8		• •
Installation Type			
Welcome Installation Location Installation Type Prerequisite Checks Security Updates Installation Summary Installation Progress Installation Complete	 WebLogic Server Installation <u>©</u> Complete Installation Complete Installation Core Server Core Application Server 12.1.2.0.0 Coherence Product Files 12.1.2.0.0 WebLogic SCA 12.1.2.0.0 WebLogic Clernt Jars 12.1.2.0.0 WebLogic Evaluation Console Additional Language Help F ClE WLS Config 12.1.2.0.0 WebLogic Evaluation Database 12.1.2.0.0 WebLogic Evaluation Database 12.1.2.0.0 WebLogic Evaluation Database 12.1.2.0.0 Third Party Jackson 1.9.2.0.0 Third Party Jackson 1.9.2.0.0 Third Party Jackson 1.9.2.0.0 Third Party Jackson 1.9.2.0.0 Third Party Maven Apache 3.0.4.0.0 Third Party Maven Apache 3.0.4.0.0		
Нер		< Back Next >	ish Cancel

Use this screen to determine the type of installation you want to perform and consequently, which products and features are installed.

The options you see on this screen will differ depending on the product you are installing. Refer to your product installation guide for specific details.



6. Click Next.

0	Oracle Fusion Middleware 12c W	ebLogic	Server and Coherence Installation - Step 4 of 8		
P	rerequisite Checks	-			
Ψ	Welcome				
÷	Installation Location		100%		
÷	Installation Type		Checking operating system certification		
\$	Prerequisite Checks	5	Checking Java version used to launch the installer.		
÷	Security Updates	I Ě	checking sava version used to isunen the installer.		
ų	Installation Summary				
Ý	Installation Progress				
9	Installation Complete				
			Image: Skip Image: View Successful Tasks Checking operating system certification Checking Java version used to launch the installer.		View Log
F	Help			< Back Next > Er	ish Cancel
-					

This screen analyzes the host computer to ensure that specific operating system prerequisites have been met.



7. On completion of the Prerequisites Checks, click Next.

Oracle Fusion Middleware 12c We	bLogic Server and Coherence Installation - Step 5 of 8		• •
Specify Security Update	S		
Welcome			
Installation Location			
Installation Type			
Prerequisite Checks	Provide your email address to be informed of security is	sues, install the product	
Security Updates	and initiate configuration manager. View details.		
Installation Summary	Email:		
1 Installation Progress	Easier for you if you	i use your My Oracle Support email addre	ss/username.
Installation Complete	✓ I wish to receive security updates via My Oracle Sup	pport.	
	My Oracle Support Password:		

If you wish to register your installation, enter your Email address and your My Oracle Support password. If you wish to decline registration, deselect **I wish to receive security updates via My Oracle Support** and confirm your choice.



8. Click Next.

Oracle Fusion Middleware 12c We	bLogic Server and Coherence Installation - Step 6 of 8	- • •
Installation Summary		
Y Welcome	Install Oracle Fusion Middleware 12c WebLogic Server and Coherence	•
Installation Location	Installation Location	
Installation Type	Oracle Home Location: C:\oracle\Middleware	
	Log File Location: C:\Program Files\Oracle\Inventory\logs\install2013-09-26_01-16-17AM.	log .
Prerequisite Checks	Disk Space	
Security Updates	Required: 649 MB	
Installation Summary	Available: 9299 MB	
() Installation Descrete	Feature Sets to Install	
Installation Progress	Core Application Server 12.1.2.0.0	
 Installation Complete 	Coherence Product Files 12.1.2.0.0	
	Web 2.0 HTTP Pub-Sub Server 12.1.2.0.0	2.26
	WebLogic SCA 12.1.2.0.0	
	WebLogic Client Jars 12.1.2.0.0	
	Administration Console Aditional Language Help Files 12.1.2.0.0	
	CIE WLS Config 12.1.2.0.0	
	Thirdparty JDBC Drivers 12.1.2.0.0	
	WebLogic Evaluation Database 12.1.2.0.0	
	Third Party Jackson 1.9.2.0.0	
	Third Party Jersey 1.17.0.0.0	
	Third Party Maven Apache 3.0.4.0.0	
	Server Examples 12.1.2.0.0	-
	Save Response File	
	Select Install to accept the above options and start the installation.	
	To change the above options before starting the installation, select the option to change in the left po button.	ane or use the Back
Help	< Back Next > Insta	al Cancel

The Installation Summary screen contains a list of the feature sets you selected for installation.



9. Click Install.

Oracle Fusion Middleware 12c V	NebLogio	Server and Coherence Installation	n - Step 7 of 8		
Installation Progress					
Y Welcome					
Installation Location			100%		
Installation Type	1	Prepare			
Prerequisite Checks	1	Сору			
Security Updates	1	Generating Libraries			
Installation Summary	1	Performing String Substitutions			
Installation Progress	1	Linking			
Installation Complete	1	Setup			
	1	Saving the inventory			
	1	Post install scripts			
		iew <u>M</u> essages	View Succe	ssful <u>T</u> asks	View Log
	7			Hardware and S Engineered to Work	
Help				< Back Next > Fin	ish Cancel

This screen shows the progress of the installation. When the progress bar reaches 100%, the installation is complete.



10. Click Next.

stallation Complete	and the second second		
Welcome	Install Oracle Fusion Middleware 12c WebLogic S	erver and Coherence	[
Installation Location	Installation Location		
Installation Type	Oracle Home Location: C:\oracle\Middleware		
	Log File Location: C:\Program Files\Oracle\Inver	ntory/logs\install2013-09-26_01-16-17A	M.log
Prerequisite Checks	Feature Sets Installed Successfully		
Security Updates	Core Application Server 12.1.2.0.0		
Installation Summary	Coherence Product Files 12.1.2.0.0		
	Web 2.0 HTTP Pub-Sub Server 12.1.2.0.0		
Installation Progress	WebLogic SCA 12.1.2.0.0		
Installation Complete	WebLogic Client Jars 12.1.2.0.0		
	Administration Console Aditional Language Help	p Files 12.1.2.0.0	
	CIE WLS Config 12.1.2.0.0		
	Thirdparty JDBC Drivers 12.1.2.0.0		
	WebLogic Evaluation Database 12.1.2.0.0		
	Third Party Jackson 1.9.2.0.0		
	Third Party Jersey 1.17.0.0.0		
	Third Party Maven Apache 3.0.4.0.0		
	Server Examples 12.1.2.0.0		
	Coherence Examples 12.1.2.0.0		
	Next Steps:	zard	
	Oracle WebLogic installation completed successfully		
Help	I	< Back Next > Fi	nish Cancel

This screen appears at the conclusion of the installation and provides a summary of the products and features that were installed. Click **Finish**.

11. Create a domain using the Configuration Wizard.

Run the Configuration Wizard to create a domain. Configuration Wizard can also be invoked by running the command < ORACLE_ HOME>\oracle_common\common\bin\config.cmd.

Fusion Middleware Configuration	Wizard - Page 1 of 8		
Configuration Type			
🙊 Create Domain			
M Templates			
Administrator Account			
Domain Mode and JDK			
Advanced Configuration			
Configuration Summary	What do you want to do?		
Configuration Progress	Conto a new density		
C End Of Configuration	Create a new domain		
and the second se	Update an existing domain		
	Domain Location: C:\oracle\Middleware\user_projects\dom	ains\base_domain	Browse
	A		
	Create a new domain.		
Help		< Back Next >	Einish Cancel

12. Provide the domain location. The domain location is c:\Oracle\Middleware\user_projects\domains\base_domain and the base_domain is the domain name. Click **Next**.

Fusion Middleware Configuration \	Wizard - Page 2 of 8		
Templates			
Create Domain Create Domain Completes Administrator Account. Domain Mode and JDK. Advanced Configuration Configuration Summary. Configuration Progress End Of Configuration	Create Domain Using Product Templates: Template Categories: All Templates Available Templates WebLogic Server Domain - 12.1.2.0 [wlserver]* Basic WebLogic SIP Server Domain - 12.1.2.0 [wlserver]* WebLogic Advanced Web Services for JAX-RPC Extens WebLogic Coherence Cluster Extension - 12.1.2.0 [wl WebLogic JAX-WS SOAP/JMS Extension - 12.1.2.0 [wl	r] sion - 12.1.2.0 [wlserver] ion - 12.1.2.0 [wlserver] server]	
	Create Domain Using Custom Template: Template location: C:\oracle\Middleware		Browse
Help	(< Back Next > Einis	Cancel



13. Select the template **Basic WebLogic Server Domain** and Click **Next**.

📵 Fu:	sion Middleware Configuration	n Wizard - Page 3 of 8	1		- • • *
Ad	ministrator Account				
來의	reate Domain	1			
赤コ	(emplates				
. i i i	Administrator Account				
ψc	Comain Mode and JDK				
Jul e	Advanced Configuration				
4 s	Configuration Summary				
ų e	Configuration Progress				
δE	ind Of Configuration	Name	weblogic		
		Password	•••••		
		Confirm Password	•••••		
		Must be the same as or special character.	the password. Password must contain at	t least 8 alphanumeric characters with	h at least one number
E	jelp			< Back Next > Eni	sh Cancel

14. Provide the Administrative Username/Password for the domain and Click **Next**.

Fusion Middleware Configuration	Wizard - Page 4 of 8		
Domain Mode and JDK			
Create Domain Templates Administrator Account Domain Mode and JDK Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	Domain Mode	do not poll for applications to deploy.	B <u>r</u> owse
Help	(< Back Next > Enish	Cancel

15. On Domain Mode for use with JD Edwards EnterpriseOne, you must select **Production**. JDK Location is selected by default. You can provide any external JDK Location also. Click **Next**.

Fusion Middleware Configuration	Wizard - Page 5 of 14		
Advanced Configuration			
Create Domain Templates Administrator Account Domain Mode and JDK Advanced Configuration Administration Server Node Manager Node Manager Managed Servers Clusters Coherence Clusters Machines Configuration Summary Configuration Progress End Of Configuration	 Administration Server Modify Settings Node Manager Configure Node Manager Managed Servers, Clusters and Coherence Add or Delete or Modify Settings 		
Help		< <u>B</u> ack <u>N</u> ext > Einis	h Cancel

16. On Advanced Configuration, select these check boxes to modify the server settings:

- Administration Server
- Node Manager

Click Next.

Fusion Middleware Configuration	Wizard - Page 6 of 14			- X
Administration Server				E 🕥
Create Domain Templates Administrator Account Domain Mode and JDK Advanced Configuration Administration Server Node Manager Managed Servers Clusters Coherence Clusters Machines Configuration Summary Configuration Progress End Of Configuration		Server al Addresses		
Help		(< Back Next >	Enish Cancel

17. You may change the Listen Port on this screen. Click **Next**.

Fusion Middleware Configuration	Wizard - Page 7 of 14			
Node Manager				
Create Domain				
Templates				
 Administrator Account 				
Domain Mode and JDK				
Advanced Configuration	Node Manager Type			
Administration Server	er Domain			
Node Manager	○ ⊆ustom Location			
Managed Servers	Node Manager Home:	[::\oracle\Middleware\user_proj	ects\domains\base_domain\nodemana	ger Browse
Clusters	○ Manual Node Manager	Setup		
Coherence Clusters	Node Manager Credenti	als		
<u>Machines</u>	Username:	weblogic		
Configuration Summary	Password:	•••••		
Configuration Progress	Confirm Password:	•••••		
 End Of Configuration 				
			land & although the state with	
	or special character.	sword. Password must contain at	least 8 alphanumeric characters with	at least one number
Help		[< Back Next > Einis	Cancel

18. Select the Node Manager Type as **Per Domain**. Provide Node Manager Username and Password. Configuration Summary is displayed. Click **Create**.

Fusion Middleware Configuration	Wizard - Page 9 of 9		
Success			
Create Domain			
Y Templates	Domain Configuration Succeeded		
JDK Selection	New Domain base_domain Creation Succe	essful	
System Components	Domain Location		
OHS Server	C:/Orade/Middleware/Orade Home/u	iser projects/domains/base domain	
Node Manager			
Configuration Summary			
Configuration Progress			
Success			
Help		< <u>B</u> ack Next > Einis	Cancel

- **19.** Domain creation is successful. Click **Finish**.
- 20. Start the WebLogic Server. from:

<ORACLE_ HOME>\user_projects\domains\base_domain\bin\startWebLogic.bat

- 21. Login into the admin console of the domain created in the previous step (i.e. http://<host>:<domain_port>/ console).
- 22. Configure the machines. For information on configuring a machine, see:

http://docs.oracle.com/middleware/1213/wls/NODEM/starting_nodemgr.htm#BABJJAGA



23. Start the Node Manager from:

- <ORACLE_ HOME>\user_projects\domains\base_domain\bin\startNodeManager.bat
- 24. Verify whether the nodemanager is reachable or not.

Installing Server Manager Console on WebLogic Server 12.1.2

To install the Server Manager Console, follow the instructions in *Installing the Management Console on WebLogic Server*.

Restoring the Previous Server Manager Console Configurations

If you had server groups setup in the previous Server Manager Console, you can preserve them by copying all the files and folders you had backed up from the previous installation under <sm_console_HOME>\targets\home\config to the same location after Server Manager is re-installed.

To restore the user's setup in the previous Server Manager Console, you can preserve them copying all the files and folders you had backed up from the previous installation under <sm_console_HOME>\targets\home\security-realm.xml to the same location after SM is re-installed.

To restore monitors setup in the previous Server Manager Console, you can preserve them copying all the files and folders you had backed up from the previous installation under <sm_console_HOME>\targets\home\monitors.xml to the same location after SM is re-installed.

To restore history in the previous Server Manager Console, you can preserve them copying all the files and folders you had backed up from the previous installation under <sm_console_HOME>\targets\home\scf-history.xml to the same location after SM is re-installed.

To restore registered instances in the previous Server Manager Console, you can preserve them copying all the files and folders you had backed up from the previous installation under <sm_console_HOME>\targets\home\ managementconsole.xml to the same location after SM is re-installed.

After restoring these configurations, you need to restart the Server Manager console to take effect.



2 Install a Server Manager Management Agent

Obtain the Management Agent Installer Application

To obtain the Management Agent Installer application:

1. On the Management Dashboard, in the INSTALL section on the left pane titled **What do you want to do?**, click the *Management Agents* link.

Select Instance	Managed Homes and Managed Instances				
What do you want to do?	Use the dropdown below to select the desired management view.				
INSTALL	Select View Managed Homes and Managed	ed Instances V			
Management Agents Manage Software	Managed Homes				
Database Drivers CONFIGURE	Shown below are each of the known managed homes and the managed inst running and you wish to not see it listed here you may remove it.	ances they contain. If the			
Server Manager Users	Select [Managed Home]: Remove Stop Update				
Server Groups	Select All Select None				
TRACK	Managed Home Location 📥 (1)	Managed Instances			
 <u>User Activity</u> <u>Server Activity</u> <u>Table Cache</u> 	☐ ↑ den00byy.us.oracle.com C:\jde_home_1\SCFMC	home Management Console 企 Running			



2. On the Server Manager Agent Downloads page, navigate to the Management Agent Installers section.

Management Agent Installers	rn To
Download and install the appropriate Server Manager agent installer from the list below. When prompted to enter the server name and port to use for the management console enter the following values:	he
Management Console Machine Name	
Management Console HTTP Port 9046	
Secure JMX for Management Console true	
Operating System	
windows	
solaris	
aix hpia64	
<u>os400</u>	

- 3. Verify if the Management Console is using Secure JMX.
- 4. From the **Management Agent Installers** section, you can select from the available Management Agents, which are listed by operating system:
 - \circ windows
 - linux
 - solaris
 - HP-UX on Itanium (HPIA64)
 - aix
 - o os400



5. When you click a link to choose an operating system, depending on your browser, you are prompted to **Save** the .zip file.

For example, if you select the windows Management Agent Installer, you will receive a prompt similar to this:

Opening windows.zip
You have chosen to open windows.zip which is a: Text Document from: http://denitsd51.mlab.jdedwards.com:8001
What should Firefox do with this file?
Open with 7-Zip File Manager (default) Save File
Do this <u>a</u> utomatically for files like this from now on.
OK Cancel

6. Depending which Management Agent Installer you choose, proceed to the following sections of this chapter entitled: *Distribute and Unzip the Management Agent Installer Application*.

Distribute and Unzip the Management Agent Installer Application

After you have saved the downloaded .zip file for the *Management Agent* installer appropriate to your platform, you must move it to the target on which you will run the downloaded installer and unzip it. The move process and the file names are platform-dependent as described in these sections:

- Microsoft Windows
- UNIX
- (OS400)



Note: Some of the functionality described in this topic is to accommodate legacy platforms. Refer to the Oracle Certify System on My Oracle Support for information about currently supported platforms.

Microsoft Windows

Use this procedure to move and unzip the Management Agent Installer.

Note: Depending on the EnterpriseOne Tools Release, Microsoft VC++ 2017, 2013, or 2010 Runtime Libraries x86 and x64 on Windows platforms must be installed on the system before the Server Manager Agent Installer can be executed. The proper Runtime Libraries to install for JD Edwards EnterpriseOne are specified by Oracle Certifications at this link: *https://www.oracle.com/support/index.html*

 Move this .zip file (which you downloaded in the section of this guide entitled: Obtain the Management Agent Installer Application) using Microsoft Windows Explorer with mapped drives:

windows.zip

2. Extract the .zip file to a folder (for example, c:\sm_Agent). If you extracted into the example folder, the structure would look like this:

```
C:\SM_Agent\Disk1\install
C:\SM_Agent\Translations
```

UNIX

These are the available versions of UNIX:

- Linux
- Solaris
- AIX
- HP-UX on Itanium (HPIA64)

CAUTION: Oracle User ID. You must login to the UNIX machine with an Oracle user ID; otherwise you cannot run the installer.

Use this procedure to move and unzip the Management Agent Installer.

1. Move this .zip file (which you downloaded in the section of this guide entitled: Obtain the Management Agent Installer Application) using FTP services:

```
Linux
linux.zip
Solaris
solaris.zip
AIX
aix.zip
```



HP-UX on Itanium

```
hpia64.zip
```

2. Extract the .zip file to a folder, resulting in the following subfolders:

```
\Disk1\install
\Translations
```

IBM i(OS400)

CAUTION: You cannot run the OS400 Management Agent installer directly on the *IBM i* machine. Therefore you must download and extract the Management Agent Installer file on a Microsoft Windows machine as described in this procedure. Likewise, you must run the Management Agent installer on a Windows machine, as described later in this section in the topic entitled: *Run the Management Agent Installer*.

 Move this .zip file (which you downloaded in the section of this guide entitled: Obtain the Management Agent Installer Application) using Microsoft Windows Explorer to a machine that can access your IBM i OS400 machine with mapped drives:

os400.zip

2. Extract the .zip file to a folder (for example, c:\sm_Agent). If you extracted into the example folder, the structure would look like this:

```
C:\SM_Agent\Disk1\install
C:\SM_Agent\Translations
```

Run the Management Agent Installer

Running the Management Agent installer is platform-dependent:

- Microsoft Windows
- UNIX
- (OS400)

Microsoft Windows

To install the Server Manager Agent on Microsoft Windows target machines:

- 1. Log on to the machine onto which you are installing the Server Manager Management Agent.
- 2. Change to the directory in which you extracted the Server Manager Agent installer as described in the subsection of this chapter entitled: *Distribute and Unzip the Management Agent Installer Application*.
- **3.** Depending on your Tools release, launch the OUI installer according to these notes:



Note:

- JDK/JRE:
 - For Tools Release 9.2.2.0 and later: A 64-bit JDK or JRE, version 1.8 or later must be installed before starting the Server Manager Agent installer.
 - For Tools Releases prior to 9.2.2.0: A JDK is included in the installer. Therefore, a separate JDK is not required.

• Redistributables:

- For Tools Release 9.2.9 and Later: No Microsoft Visual Studio Redistributables are required prior to running the Server Manager Agent installer. However, you may need to install Microsoft Visual Studio Redistributables for EnterpriseOne to run. Refer to the JD Edwards EnterpriseOne Certifications for more information.
- **For Tools Release 9.2.3.3 and Later:** Microsoft Visual Studio 2017 and 2013 64-bit Redistributables must be installed prior to running the Server Manager Agent installer.
- **For Tools Releases prior to 9.2.3.3:** Microsoft Visual Studio 2010 32-bit Redistributables must be installed prior to running the Server Manager Agent installer.

Note: One of the following requirements must be met:

- For Tools Release 9.2.3.3 and later: You must specify the location of the JDK or JRE on the command line. If the location is not specified, the installer will fail immediately.
- For Tools Release 9.2.2.0 up to but not including 9.2.3.3: You can specify the location of the JDK or JRE on the command line. If the location is not specified, you will be prompted for it.
- For Tools Releases prior to 9.2.2.0: Because a JDK is included in the installer, you will not be prompted for one.

To specify the location of a JDK or JRE on the command line:

- 1. Open a Windows Command window with Run as administrator.
- 2. Change directory (cd) to the directory in which you unzipped the installer. For example, if you followed the recommendation in *Distribute and Unzip the Management Agent Installer Application* the command would be:

cd C:\SM_Agent\Disk1\install

3. Use this command to run setup.exe followed by the argument -jreLoc and the directory to the JDK or JRE:

```
setup.exe -jreLoc C:\PROGRA~1\Java\JRE18~1.0_1
```

Note: Regarding the above command:

- Include a space after the -jreloc argument.
- The path to the JDK or JRE must be of the Windows short form, which is 8 + 3 format.
- The specified JDK or JRE directory must contain this directory and executable:

bin\java.exe

To skip specifying the location of a JDK or JRE on the command line:



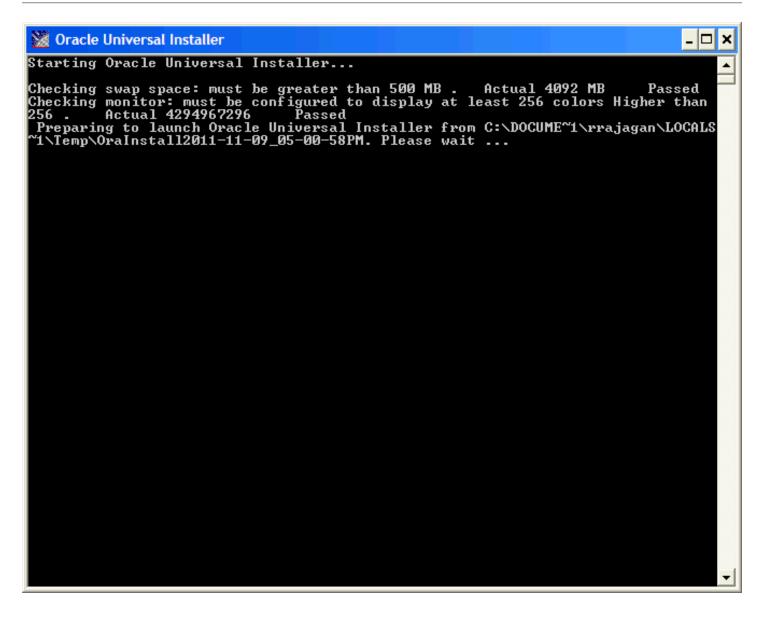
Do one of the following:

- 1. Follow the instructions above to run from a Windows Command window but without the -jreloc argument.
- In Windows Explorer, right-click on setup.exe in the directory in which you unzipped the installer and select Run As Administrator. For example, if you followed the recommendation in *Distribute and Unzip the Management Agent Installer Application* the file will be located in this directory:

C:\SM_Agent\Disk1\install\setup.exe

This process opens a Microsoft Windows command window as shown in the below example.

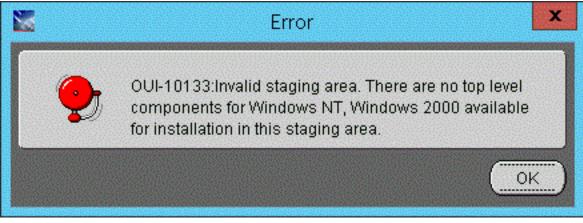




Tools Release 9.2.2.0 up to but not including 9.2.3.3. If you did not specify the location of a JDK or JRE using the -jreloc argument, the installer prompts you to specify the location of that at a command prompt.



Note: For the 9.2.2.0 and greater, the installer will fail if the JDK/JRE is not at least Version 1.8. Upon failure it displays the following error:



After the installer validates existence of the JDK in the specified location, the OUI installer user interface appears. All further installer behavior remains the same as previous Tools Releases.



📓 Oracle Universal Installer: Welcome	
ORACLE' JD Edwards EnterpriseOne	
Welcome	
The Oracle Universal Installer guides you through the installation and configuration of you Oracle products.	r
Click "Installed Products" to see all installed products.	
Deinstall Products	
About <u>O</u> racle Universal Insta	ller)
Help Installed Products Back Next Install Ca	ancel

1. On Welcome, click the **Next** button.

📷 Oracle Universal Installer: Specify Home Details	
ORACLE JD Edwards EnterpriseOne	
Specify Home Details	
Destination	
Enter or select a name for the installation and the full path where you want to install the product.	
Na <u>m</u> e: EOne_ManagementAgent1	
Path: C:\jde_home_1	Browse)
-	
Product L	anguages)
Help Installed Products Back Next Install	Cancel

- 2. On Specify Home Details, complete these fields:
 - Name:

Enter a name for the Management Agent. The default name is:

EOne_Management_Agent

• Path:

The installer automatically detects the root drive location on the Microsoft Windows machine and by default appends this value:

jde_home

Note: Although **jde_home** is the default and recommended setting, you can specify any value to replace the default value.

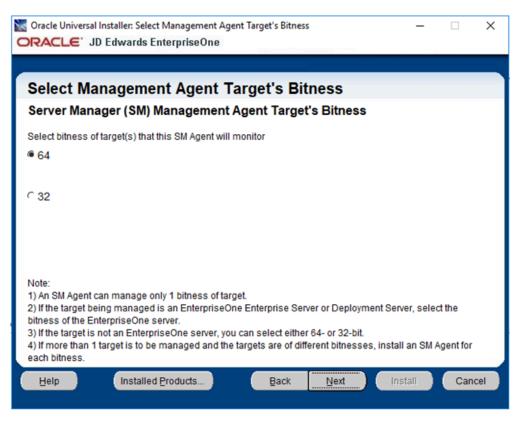
The directory that you specify cannot already exist.



Server Manager Management Agent
ORACLE' JD Edwards EnterpriseOne
JD Edwards Server Manager Management Agent
Welcome to the Wizard for JD Edwards Server Manager Management Agent
This Wizard will install JD Edwards Server Manager Management Agent on your computer. To continue, choose Next. JD Edwards Server Manager Management Console OracleJJD Edwards http://www.oracle.com
Help Installed Products Back Next Install Cancel



3. On Welcome to the Wizard for JD Edwards Server Manager Management Agent, click the **Next** button.



4. On Select Agent Target's Bitness, select the bitness of the targets that the Server Manager Agent will monitor and click the **Next** button.

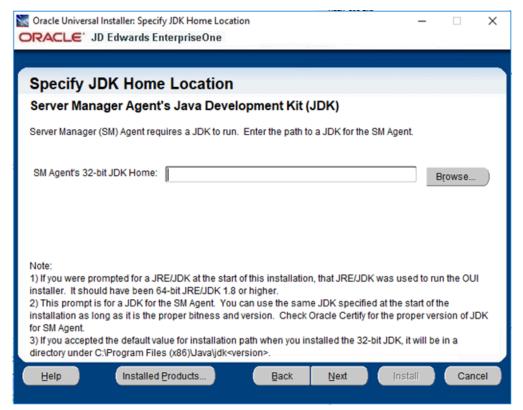
Note: These considerations apply to bitness:

- Each Server Manager Agent can manage only a single bitness of target objects. That is, it cannot manage multiple objects if the objects are a mixture of 32-bit and 64-bit bitness.
- If the target being managed is a JD Edwards EnterpriseOne Enterprise Server or Deployment Server, select the bitness of the EnterpriseOne server.
- o If the target is not an EnterpriseOne server, you can select either 64-bit or 32-bit.
- If more than one target is to be managed and the targets are of different bitnesses, you must install a Server Manager Agent for each bitness.

If **64** is selected, then this 64-bit JDK Home screen will appear:

📉 Oracle Universal Installer: Specify JDK Home Location -	_		\times
ORACLE' JD Edwards EnterpriseOne			
Specify JDK Home Location			
Server Manager Agent's Java Development Kit (JDK)			
Server Manager (SM) Agent requires a JDK to run. Enter the path to a JDK for the SM Agent.			
SM Agent's 64-bit JDK Home:	B	rowse	
Note:		*** 011	
 If you were prompted for a JRE/JDK at the start of this installation, that JRE/JDK was used installer. It should have been 64-bit JRE/JDK 1.8 or higher. This prompt is for a JDK for the SM Agent. You can use the same JDK specified at the star 			
installation as long as it is the proper bitness and version. Check Oracle Certify for the prope for SM Agent.			к
 If you accepted the default value for installation path when you installed the 64-bit JDK, it w directory under C:\Program Files\Java\jdk<version>.</version> 	ill be i	in a	
Help Installed Products Back Next Install		Canc	el

If **32** is selected, then this 32-bit JDK Home screen will appear:



5. On Specify JDK Home Location and in the JDK Home field, enter or browse to the location of your Java Development Kit (JDK). In order to proceed, you cannot leave this value blank and you must specify an existing valid location. If you accepted the default path when you installed the JDK, it will be in a directory under this path:

```
c:\Program Files\Java\jdk<version>(64-bit JDK)
```

```
c:\Program Files (x86)\jdk<version>(32-bit JDK)
```

Note: These considerations apply to the JDK:

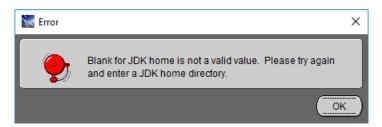
- The JRE/JDK that you specified at the start of this installation was used to run the OUI installer. For Tools Release 9.2.2.0 and greater, it should have been a 64-bit JRE/JDK 1.8 or higher.
- This prompt is for a JDK that the Server Manager Agent will use. You can use the same JDK specified at the start of the installation as long as it is the proper bitness and version.

The installer validates the specified location and copies the JDK to a location where it can be used by the runtime processes of JD Edwards EnterpriseOne.

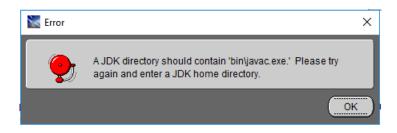


6. Enter the appropriate JDK path and click the **Next** button. This JDK is a prerequisite to installing JD Edwards Enterprise and must meet the supported version as specified by the Oracle certifications.

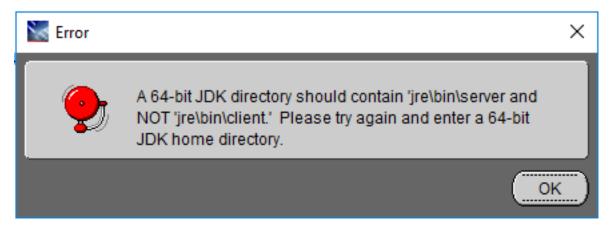
CAUTION: If the **JDK Home** field is left blank and the **Next** button is selected, the following error will occur.



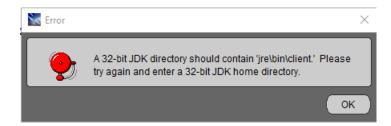
If a path to a non-existent JDK is entered in the **JDK Home** field and the **Next** button is selected, the following error will occur.



If a 64-bit target was selected and a 32-bit JDK directory was entered, the following error will occur.



If a 32-bit target was selected and a 32-bit JDK directory was entered, the following error will occur.



After the JDK location is validated, the Server Manager Management Agent screen is displayed.



💥 Oracle Universal Installer: JDEdwards EnterpriseOne	– 🗆 🗙
ORACLE JD Edwards EnterpriseOne	
JDEdwards EnterpriseOne	
Server Manager Management Agent	
Please enter following information.	
Management console machine	
Management console HTTP port 9046	
Management console using SSL NO	▼
Note: If Management console machine URL uses SSL encryption, select YES	otherwise select NO
Help Installed Products Back N	ext Install Cancel

- 7. On Server Manager Management Agent, complete these fields and click Next:
 - Management console machine

You must specify the host name of an existing *Management Console* machine.

The installer verifies the connection to the *Management Console* during the install. The *Management Console* machine must be started and the *Management Console* must be running in order to run the installer. In some cases, depending on your machine, operating systems, or network, you might need to

fully qualify your machine name. For example, instead of specifying only dnrramuvm2 you might need to specifydnrramuvm2.mlab.jdedwards.com.

Tip: You can determine the name of your *Management Console* from the information supplied on the **Management Agent Installers** screen. For navigation, refer to Step 2 in the section entitled: *Obtain the Management Agent Installer Application*. You can also view the **readme.txt** file in the root directory of the *Management Console*.

• Management console HTTP port

You must specify a valid port of an existing *Management Console* machine.

The installer verifies the port connection to the *Management Console*. The machine must be started and the *Management Console* must be running in order to run the installer.

Tip: You can determine the port of your *Management Console* from the information supplied on the *Management Agent Installers* screen. For navigation, refer to Step 2 in the section entitled: *Obtain the Management Agent Installer Application*.

😑 Management Age	nt Installers
Download and install the enter the following value	appropriate Server Manager agent installer from the list below. When prompted to enter the server name and port to use for the management console s:
Management Console Ma phoenix396744. Management Console H1 8999 Secure JMX for Managen true	appsdev.fusionappsdphx1.oraclevcn.com TP POIC
Operating System	
windows	
linux	
solaris	
aix	
hpia64	
<u>os400</u>	
🖃 Management Ager	it Installers <u>Return To Top</u>
Download and install the enter the following values	appropriate Server Manager agent installer from the list below. When prompted to enter the server name and port to use for the management console
	nnsdev.fusionappsdphx1.oraclevcn.com
Management Console HT 8999	IP Port
Secure JMX for Managem true	ent console
Operating System	
windows	

• Management console using SSL



linux solaris aix hpia64 os400 You must specify whether Management Console is using SSL.

The installer verifies connection to the Management Console. The machine must be started, and the Management Console must be running in order to run the installer.

Tip: You can determine whether SSL is used by your Management Console from the information supplied on the *Management Agent Installers* screen. For navigation, refer to Step 2 in the section entitled: *Obtain the Management Agent Installer Application*.

Management Agent Installers	2R
Download and install the appropriate Server Manager agent installer from the list below. When prompted to enter the server name and port to use for the management console enter the following values:	8
Management Console Machine Name phoenix396744.appsdev.fusionappsdphx1.oraclevcn.com Management Console HTTP Port 8090	
Secure JMX for Management Console true	
Operating System	
windows	
linux	
solaris	
aix	
hpia64	
<u>os400</u>	



8. Specify if the Management Console is using Secure JMX.

Note: For more information, refer to the section entitled: Implementing Security for JMX

Oracle Universal Installer: Specify Agent Secure JMX -
Specify Agent Secure JMX
Agent Secure JMX Selection
Management console using Secure JMX ^(a) Yes
⊂No
Note: If Management console machine uses secure JMX, select Yes otherwise select No
Help Installed Products Back Next Install



9. Click the **Next** button to verify the machine and port values.

Summary						
ID Edwards Se	erver Manag	er Windo	ws Manage	ment Agent 18	0.0.0.0	
Global Settings						
-Source: C:\Pr	ojects\64\Bugs\S	MA_prompts	_ENH\Installers	OUI\ServerManag	er\Agents\wi	ndows\s
-Oracle Home	: C:\jde_home_2	(EOne_Mana	agementAgent2)		
LInstallation T	pe: Custom					
-Product Langua	ges					
English						
- Space Requiren	ents					
C:\ Required	89MB (includes 2	20MB tempora	ary): Available 1	12.27GB		
-New Installation	s (5 products)					
-Installer SDK	Component 12.2	2.0.2.2				
-JD Edwards	Server Manager V	Vindows Man	agement Agent	15.0.0.0.0		
-Oracle Config	uration Manager	10.3.2.1.0				
-Oracle Univer	sal Installer 12.2	022				



10. On Summary, review the information and click the **Install** button to begin the installation.

Source Universal Installer: Install	
ORACLE' JD Edwards EnterpriseOne	
Install	
Installing JD Edwards Server Manager Windows Management Agent 1.0.0.0.0	
Copying files for 'Sun JDK 1.6.0.21.51 '	
Setup pending	
Configuration pending	
copying 'jdk/lib/ct.sym'	
6%	
Stop installation	
You can find the log of this install session at: C:\Program Files\Oracle\Inventory\logs\installActions2011-11-09_01-21-51PM.log	
Help Installed Products Back Next Install	Cancel

The Management Agent installer displays a panel showing the ongoing status of the installation.

Searcher Universal Installer: End of Installation	
ORACLE' JD Edwards EnterpriseOne	
End of Installation	
The installation of JD Edwards Server Manager Windows Management Ager was successful.	ıt
Please remember	
You can find the log of this install at: C:\Program Files\Oracle\Inventory\logs\installActions2011-11-09_01-21-51PM.log	
Help Installed Products Back Next Install	Exit

11. When the installation finishes, the End of Installation screen is displayed.

CAUTION: Examine the Installer Logs. This screen also displays the location of the install log. Even though the screen indicates that the installation was successful, you should always check the logs before you attempt to run the Agent. The file name starts with "installActions" and includes a time stamp; it is located in c:\oraInventory\logs directory. For example: cc:\Program Files\Oracle\Inventory\logs \installActions2018-11-09_01-21-51PM.log



12. Click the **Exit** button.



13. On the Exit dialog, click the Yes button to confirm you want to exit the Management Agent installer.

Note: After a successful installation, the *Management Agent* automatically starts and connects to the *Server Manager Management Console*. The resulting newly installed *Managed Home* can be viewed in the *Management Dashboard* of the *Management Console*.

UNIX

These are the available versions of the Management Agent installers for UNIX:

- Linux
- Solaris
- AIX
- HP-UX on Itanium (HPIA64)

Before launching the *Management Agent* installer on UNIX platform, you should review these important notes as applicable to your installation and *Server Manager* environments:

- Permissions
- /tmp location
- Oracle User ID
- Management Agent on the Application Server
- Enterprise Server
- Graphic Mode
- Running the Management Agent Installer

To run the Management Agent installer for UNIX, refer to this section: *Running the Management Agent Installer*, which follows the Notes below.

Permissions

All files that you extracted from the .zip file must have execute permissions. You can use the chimod command to set these permissions.



/tmp location

The *Management Agent* installer uses the /tmp location to temporarily store files used during the installation. Before installing ensure that at least 400 MB is available in the /tmp location.

Oracle User ID

You must login to the UNIX machine with an Oracle user ID; otherwise you cannot run the installer.

Management Agent on the Application Server

If you will be using the *Management Agent* to manage an Application Server, you must install the *Management Agent* as the oracle user. After installing the agent, change the ownership of the agent installation directory to the appropriate user and then start the agent with same user which owns the application server services.

Enterprise Server

If you will be using the *Management Agent* to manage a UNIX-based Enterprise Server, you must install the *Management Agent* as an Oracle user. Once the agent is installed, change the agent installation directory ownership to *JD Edwards EnterpriseOne* user (which owns running the enterprise server services) and then run agent services. For example, valid *JD Edwards EnterpriseOne* users might be jaeb9, jae811, jae812, Or jae900.

You can use the **chown** command to change the ownership directory:

\$chown – R jde920:jde920 <agent_install_dir>

Graphic Mode

For all UNIX environments, you should run the installer in graphic mode.

Running the Management Agent Installer

To install the Server Manager Agent on UNIX-based target machines.

- 1. Log on to the machine onto which you are installing the Server Manager Management Agent.
- 2. Change to the directory in which you extracted the Server Manager Agent installer as described in the appropriate subsection of this chapter entitled: *Distribute and Unzip the Management Agent Installer Application*.



3. Launch the OUI installer as follows:

Note:

- **For Tools Release 9.2.2.0 and Greater:** A 64-bit JDK or JRE, version 1.8 or later must be installed before starting the Server Manager Agent installer.
- **For Tools Releases prior to 9.2.2.0:** A JDK is included in the installer. Therefore, a separate JDK is not required.

Note: One of the following requirements must be met:

- **For Tools Release 9.2.3.3 and Greater:** You must specify the location of the JDK or JRE on the command line. If the location is not specified, the installer will fail immediately.
- **For Tools Release 9.2.2.0 up to but not including 9.2.3.3:** You can specify the location of the JDK or JRE on the command line. If the location is not specified, you will be prompted for it.
- **For Tools Releases prior to 9.2.2.0:** Because a JDK is included in the installer, you will not be prompted for one.

To specify the location of a JDK or JRE on the command line:

1. Run this script to launch the installer:

Launch this installer with the necessary GUI settings to run in graphic mode:

/Disk1/install/runInstaller.sh -jreLoc /u01/jre1.8.191

Note: The unzipped installer files will be in the location specified in the section of this guide entitled: *Distribute and Unzip the Management Agent Installer Application* in the subsection entitled:*UNIX*.

- Include a space after the -jreloc argument.
- The specified JDK or JRE directory must contain this path and executable:

bin\java.exe



To skip specifying the location of a JDK or JRE on the command line:

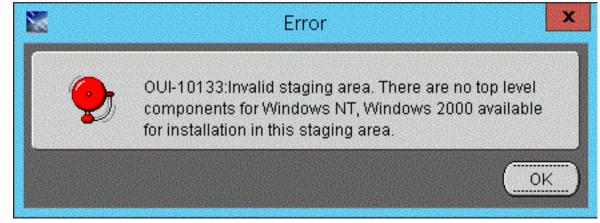
1. Run this script to launch the installer:

Launch this installer with the necessary GUI settings to run in graphic mode:

/Disk1/install/runInstaller.sh

Note: The unzipped installer files will be in the location specified in the section of this guide entitled: *Distribute and Unzip the Management Agent Installer Application* in the subsection entitled:*UNIX*. **Tools Release 9.2.2.0 up to but not including 9.2.3.3.** If you did not specify the location of a JDK or JRE via the – jreloc argument, the installer prompts you to specify the location of that at a command prompt.

Note: For the 9.2.2.0 installer, as the installer runs, it will fail if the JDK/JRE is not at least Version 1.8. Upon failure it displays the following error:



After the installer validates existence of the JDK in the specified location, the OUI installer user interface appears. All further installer behavior remains the same as previous Tools Releases.



Vacle Universal Installer: Welcome
ORACLE' JD Edwards EnterpriseOne
Welcome
The Oracle Universal Installer guides you through the installation and configuration of your Oracle products.
Click "Installed Products" to see all installed products.
Deinstall Products
About <u>O</u> racle Universal Installer
Help Installed Products Back Next Install Cancel



2. On Welcome, click the **Next** button.

🗽 Oracle Universal Installer: Specify Home Details	
ORACLE' JD Edwards EnterpriseOne	
Specify Home Details	
Destination	
Enter or select a name for the installation and the full path where you war	it to install the product.
Name: EOne_ManagementAgent	•
Path: /u01/jde_home	Bro <u>w</u> se)
	Product Languages)
Help (Installed Products) Back Next	instali Cancel



- **3.** On Specify Home Details, complete these fields:
 - Name:

Enter a name for the Management Agent. The default name is:

EOne_Management_Agent

• Path:

The installer automatically detects the root mount point location on the machine and by default appends this value:

jde_home

Note: Although **jde_home** is the default and recommended setting, you can specify any value to replace the default value.

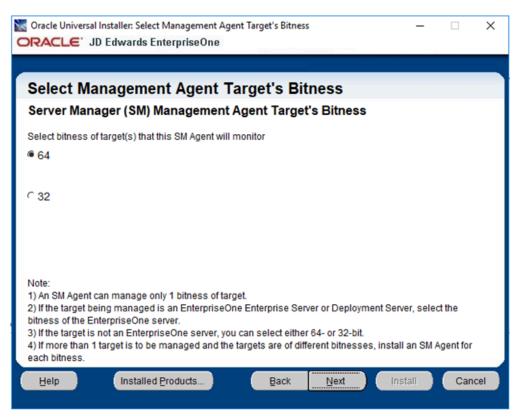
The directory that you specify cannot already exist.



Server Manager Management Agent
ORACLE' JD Edwards EnterpriseOne
JD Edwards Server Manager Management Agent
Welcome to the Wizard for JD Edwards Server Manager Management Agent
This Wizard will install JD Edwards Server Manager Management Agent on your computer. To continue, choose Next. JD Edwards Server Manager Management Console OracleJJD Edwards http://www.oracle.com
Help Installed Products Back Next Install Cancel



4. On Welcome to the Wizard for JD Edwards Server Manager Management Agent, click the **Next** button.



 On Select Agent Target's Bitness, select the bitness of the targets that the Server Manager Agent will monitor and click the Next button.

Note: These considerations apply to bitness:

- Each Server Manager Agent can manage only a single bitness of target objects. That is, it cannot manage multiple objects if the objects are a mixture of 32-bit and 64-bit bitness.
- If the target being managed is a JD Edwards EnterpriseOne Enterprise Server or Deployment Server, select the bitness of the EnterpriseOne server.
- ^o If the target is not an EnterpriseOne server, you can select either 64-bit or 32-bit.
- If more than one target is to be managed and the targets are of different bitnesses, you must install a Server Manager Agent for each bitness.

If 64 is selected, then this 64-bit JDK Home screen will appear:

📉 Oracle Universal Installer: Specify JDK Home Location	-		\times
ORACLE' JD Edwards EnterpriseOne			
Specify JDK Home Location			
Server Manager Agent's Java Development Kit (JDK)			
Server Manager (SM) Agent requires a JDK to run. Enter the path to a JDK for the SM Agent.			
SM Agent's 64-bit JDK Home:	B	irowse	
Note: 1) If you were prompted for a JRE/JDK at the start of this installation, that JRE/JDK was used installer. It should have been 64-bit JRE/JDK 1.8 or higher. 2) This prompt is for a JDK for the SM Agent. You can use the same JDK specified at the sta installation as long as it is the proper bitness and version. Check Oracle Certify for the proper for SM Agent. 3) If you accepted the default value for installation path when you installed the 64-bit JDK, it we directory under C:\Program Files\Java\jdk <version>.</version>	art of th er vers	ne sion of JD	к
Help Installed Products Back Next Install		Canc	el

If **32** is selected, then this 32-bit JDK Home screen will appear:

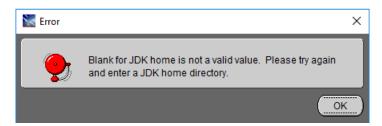
Cracle Universal Installer: Specify JDK Home Location	-		×			
Specify JDK Home Location						
Server Manager Agent's Java Development Kit (JDK)						
Server Manager (SM) Agent requires a JDK to run. Enter the path to a JDK for the SM Agent.						
SM Agent's 32-bit JDK Home:	Bŗ	owse	D			
Note: 1) If you were prompted for a JRE/JDK at the start of this installation, that JRE/JDK was used to run the OUI installer. It should have been 64-bit JRE/JDK 1.8 or higher. 2) This prompt is for a JDK for the SM Agent. You can use the same JDK specified at the start of the installation as long as it is the proper bitness and version. Check Oracle Certify for the proper version of JDK for SM Agent. 3) If you accepted the default value for installation path when you installed the 32-bit JDK, it will be in a directory under C:\Program Files (x86)\Java\jdk <version>.</version>						
Help Installed Products Back Next Install		Cano	:el			



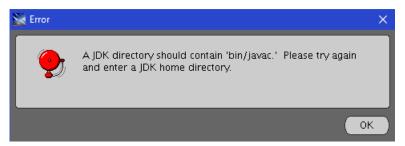
6. In the **JDK Home** field, enter or browse to the location of your Java Development Kit (JDK). In order to proceed, you cannot leave this value blank and you must specify an existing valid location.

Note: These considerations apply to the JDK:

- The JRE/JDK that you specified at the start of this installation was used to run the OUI installer. For Tools Release 9.2.2.0 and greater, it should have been a 64-bit JRE/JDK 1.8 or higher.
- This prompt is for a JDK that the Server Manager Agent will use. You can use the same JDK specified at the start of the installation as long as it is the proper bitness and version.



If you enter a blank JDK Home directory, you will get the above error.



If you enter a directory that does not contain bin/javac, you will get the above error.

- **7.** Enter the appropriate JDK path and click the **Next** button.
- 8. After you click the **Next** button, a popup **Warning** displays and prompts you to confirm that you have entered the path to the correct JDK. The warning is dependent on whether you previously selected 64 or 32 bit, as respectively shown below.

Note: The installer does **NOT** programmatically verify that the proper bitness of JDK was selected. The user is responsible for confirming the bitness.

🔛 Warning	×
Make sure select is 64-bit	ted JDK Home
Click 'Help' for ma Click 'OK' to conti	
Help	ОК





9. When you have confirmed the correct path, click the **OK** button to proceed.

👷 Oracle Universal Installer: JDEdwards EnterpriseOne			×
ORACLE' JD Edwards EnterpriseOne	200		
			_
JDEdwards EnterpriseOne			
Server Manager Management Agent			
Please enter following information.			
Management console machine			
Management console HTTP port 9046			
Management console using SSL NO			-
Note: If Management console machine URL uses SSL encryption, select YES otherwise select NC)		
Help Installed Products Back Next Install		Can	cel

- 10. On Server Manager Management Agent, complete these fields:
 - Management console machine

You must specify the host name of an existing *Management Console* machine.

The installer verifies the connection to the *Management Console* during the install. The *Management Console* machine must be started and the *Management Console* must be running in order to run the installer. In some cases, depending on your machine, operating systems, or network, you might need to



fully qualify your machine name. For example, instead of specifying only dnrramuvm2 you might need to specifydnrramuvm2.mlab.jdedwards.com.

Tip: You can determine the name of your *Management Console* from the information supplied on the **Management Agent Installers** screen. For navigation, refer to Step 2 in the section entitled: *Obtain the Management Agent Installer Application*. You can also view the <code>readme.txt</code> file in the root directory of the *Management Console*.

Management Agent Installers	$\overline{\Lambda}$	Return To Top

Download and install the appropriate Server Manager agent installer from the list below. When prompted to enter the server name and port to use for the management console enter the following values:

Management Console Machine Name denlcmwn5.mlab.jdedwards.com			
Management Console HTTF 8999	P Port		
Operating System			
windows			
linux			
<u>solaris</u>			
aix			
<u>os400</u>			

• Management console HTTP port

You must specify a valid port of an existing *Management Console* machine.

The installer verifies the port connection to the *Management Console*. The machine must be started and the *Management Console* must be running in order to run the installer.

Tip: You can determine the port of your *Management Console* from the information supplied on the *Management Agent Installers* screen. For navigation, refer to Step 2 in the section entitled: *Obtain the Management Agent Installer Application*.



Management Agent Installers

A Return To Top

Download and install the appropriate Server Manager agent installer from the list below. When prompted to enter the server name and port to use for the management console enter the following values:

Management Console Machine Name donlowwnE mlab idodwards.com Management Console HTTP Port 8999 Operating System windows linux solaris aix os400

• Management console Using SSL

Select:

- YES SMC runs on SSL
- NO SMC does not run on SSL

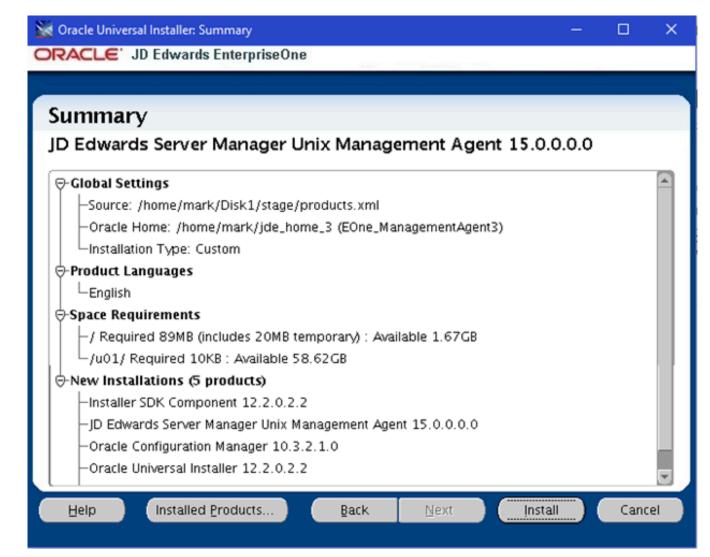


11. Specify if the Management Console is using Secure JMX.

🞇 Oracle Universal Installer: Specify Agent Secure JMX		_
ORACLE' JD Edwards EnterpriseOne	inestation.	
Specify Agent Secure JMX		
Agent Secure JMX Selection		
Management console using Secure JMX		
[©] ⊻es		
⊂ N <u>o</u>		
Note: If Management console machine uses secure JMX, select Yes oth	erwise select N	0
Help Installed Products Back	Next	Install



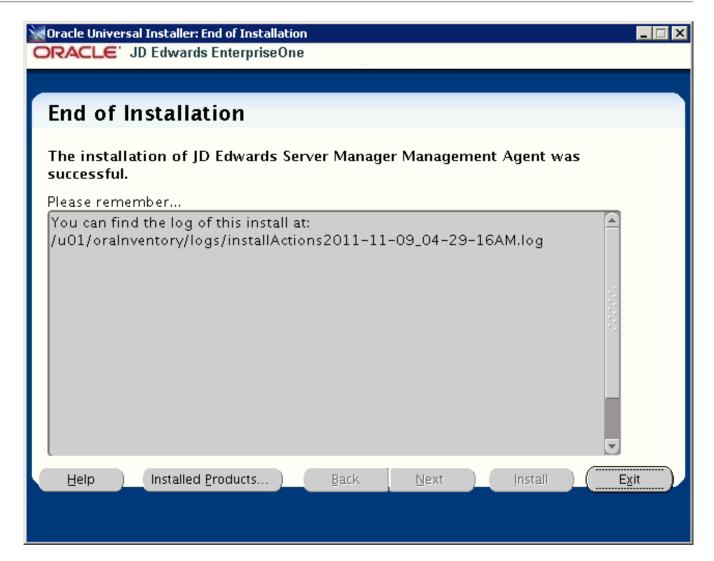
12. Click the **Next** button to verify the machine and port values.



13. On Summary, review the information and click the **Install** button to begin the installation.

🔀 Oracle Universal Installer: Install			x		
ORACLE' JD Edwards EnterpriseOne					
Install					
Installing JD Edwards Server Manager Management Agent 9.2.0.0.0					
Copying files for 'Sun JDK 1.6.0.13.0 '					
Link pending					
Setup pending					
Configuration pending					
copying 'jdk/bin/IA64N/unpack200'					
8%					
Stop installation					
You can find the log of this install session at: /u01/oracle/oralnventory/logs/installActions2015-09-15_04-54-00AM.log					
Help Installed Products Back Next Install		Can	bel		

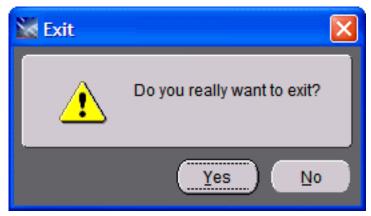
The Management Agent installer displays a panel showing the ongoing status of the installation.



14. When the installation finishes, the End of Installation screen is displayed.

CAUTION: Examine the Installer Logs. This screen also displays the location of the install log. Even though the screen indicates that the installation was successful, you should always check the logs before you attempt to run the Agent. The file name starts with "installActions" and includes a time stamp; it is located in /u01/ oraInventory/ logs. For example: /u01/oraInventory/logs/installActions2018-11-09_04-29-16AM.log

15. Click the **Exit** button.



16. On the Exit dialog, click the Yes button to confirm you want to exit the Management Agent installer.

Note: After a successful installation, the *Management Agent* automatically starts and connects to the *Server Manager Management Console*. The resulting newly installed *Managed Home* can be viewed in the *Management Dashboard* of the *Management Console*.

IBM i(OS400)

You cannot run the OS400 Management Agent installer directly on the *IBM i* machine. Therefore you must download and extract the Management Agent Installer file on a Microsoft Windows machine as described in the section of this guide entitled: *Distribute and Unzip the Management Agent Installer Agent Installer Application* in the subsection entitled: *(OS400)*. Likewise, you must run the Management Agent installer on a Windows machine, as described in this procedure.

CAUTION: To deinstall the Management Agent from the *IBM i* machine, you must perform the deinstall from this same Microsoft Windows machine. This is because only the machine on which the installer runs contains the requisite information to perform the deinstallation.

Prerequisite

Before you run the Management Agent installer for *IBM i* OS/400, you must ensure that iSeries Navigator is installed on the *IBM i* target machine.

To install the Server Manager Agent on IBMi target machines:

- 1. Log on to the Windows machine on which you are running the Server Manager Management Agent installer.
- 2. Change to the directory in which you extracted the Server Manager Agent installer as described in the appropriate subsection of this chapter entitled: *Distribute and Unzip the Management Agent Installer Application* in the subsection entitled: *(OS400)*.
- 3. Depending on your Tools release, launch the OUI installer according to these notes:



Note:

- For Tools Release 9.2.2.0 and Greater: A 64-bit JDK or JRE, version 1.8 or later must be installed on the Microsoft Windows machine before starting the Server Manager Agent installer.
- For Tools Releases prior to 9.2.2.0: A JDK is included in the installer. A separate one is not required.
- For Tools Release 9.2.3.3 and Greater: Microsoft Visual Studio 2017 and 2013 64-bit Redistributables must be installed prior to running the Server Manager Console installer.
- For Tools Releases prior to 9.2.3.3: Microsoft Visual Studio 2010 32-bit Redistributables must be installed prior to running the Server Manager Console installer.

Note: One of the following requirements must be met:

- For Tools Release 9.2.3.3 and Greater: You must specify the location of the JDK or JRE on the command line. If the location is not specified, the installer will fail immediately.
- For Tools Release 9.2.2.0 up to but not including 9.2.3.3: You can specify the location of the JDK or JRE on the command line. If the location is not specified, you will be prompted for it.
- For Tools Releases prior to 9.2.2.0: Because a JDK is included in the installer, you will not be prompted for one.

To specify the location of a JDK or JRE on the command line:

- 1. Open a Windows Command window with Run as administrator.
- **2.** Change directory (cd) to the directory in which you unzipped the installer. For example, if you followed the recommendation in *Distribute and Unzip the Management Agent Installer Application* the command would be:

cd C:\SM_Agent\Disk1\install

3. Use this command to run setup.exe followed by the argument -jreloc and the directory to the JDK or JRE:

```
setup.exe -jreLoc C:\PROGRA~1\Java\JRE18~1.0_1
```

Note: Regarding the above command:

- Include a space after the -jreloc argument.
- The path to the JDK or JRE must be of the Windows short form, which is 8 + 3 format.
- The specified JDK or JRE directory must contain this directory and executable:

bin\java.exe

To skip specifying the location of a JDK or JRE on the command line:

Do one of the following:

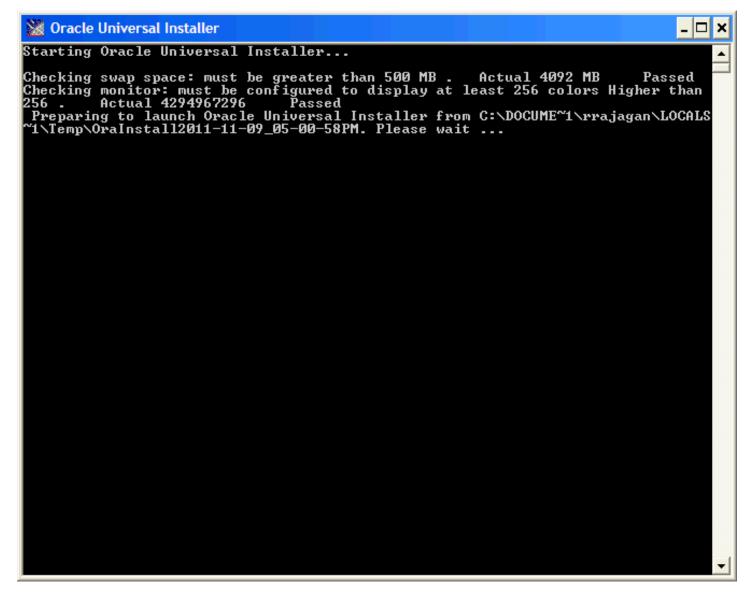
1. Follow the instructions above to run from a Windows Command window but without the -jreloc argument.



 In Windows Explorer, right-click on setup.exe in the directory in which you unzipped the installer and select Run As Administrator. For example, if you followed the recommendation in *Distribute and Unzip the Management Agent Installer Application* the file will be located in this directory:

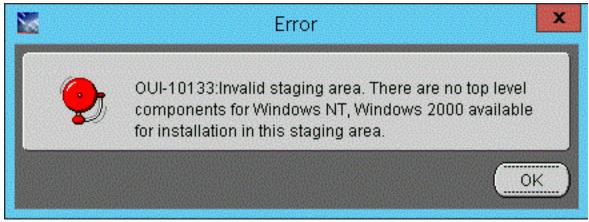
C:\SM_Agent\Disk1\install\setup.exe

This process opens a Microsoft Windows command window as shown in the below example.



Tools Release 9.2.2.0 up to but not including 9.2.3.3. If you did not specify the location of a JDK or JRE using the -jreloc argument, the installer prompts you to specify the location of that at a command prompt.

Note: For the 9.2.2.0 and later, the installer will fail if the JDK/JRE is not at least Version 1.8. Upon failure it displays the following error:



After the installer validates existence of the JDK in the specified location, the OUI installer user interface appears. All further installer behavior remains the same as previous Tools Releases.



Start Here xxxx

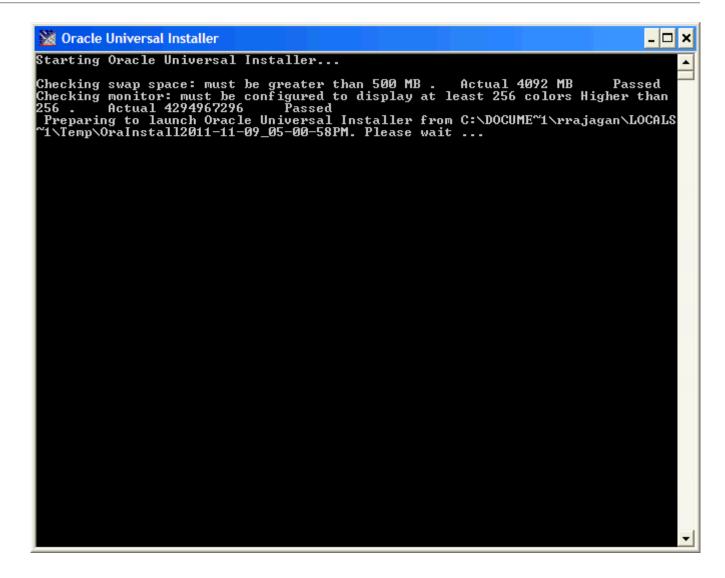
1. On the Microsoft Windows machine where you extracted the .zip file, and which is mapped to the *IBM i* machine, run this file:

/Disk1/install/setup.exe

Note: The unzipped installer files will be in the location specified in the section of this guide entitled: *Distribute and Unzip the Management Agent Installer Application* in the subsection entitled: *(OS400)*.

This process opens a Microsoft Windows command window as shown in the below example.

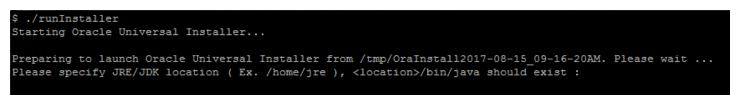




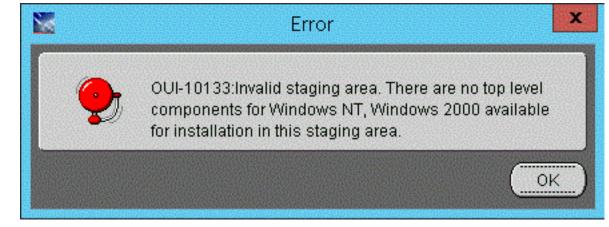
Requirement for Tools Release 9.2.2.0 and Greater. When launching the installer for the Server Manager Agent through setup.exe Or runInstaller that is delivered with Tools Release 9.2.2.0 and greater, a *prerequisite*



to run the installer is that you must have preinstalled a 64-bit JDK or JRE, Version 1.8 or later. The installer prompts you to specify the location of that at a command prompt.



Note: For the 9.2.2.0 installer, as the installer runs, it will fail if the JDK/JRE is not at least Version 1.8. Upon failure it displays the following error:



For Tools Release 9.2.2.0 installers, after the installer validates existence of the JDK in the specified location, the OUI installer user interface appears. All further installer behavior remains the same as previous Tools Releases.

After the OUI installer is launched, the command window is closed, and the Welcome screen is displayed.



Vacle Universal Installer: Welcome
ORACLE' JD Edwards EnterpriseOne
Welcome
The Oracle Universal Installer guides you through the installation and configuration of your Oracle products.
Click "Installed Products" to see all installed products.
Deinstall Products
About <u>O</u> racle Universal Installer
Help Installed Products Back Next Install Cancel

2. On Welcome, click the **Next** button.

🐭 Oracle Universal Installer: Specify Home Details	
ORACLE' JD Edwards EnterpriseOne	
	4
Specify Home Details	
Destination	
Enter or select a name for the installation and the full path where you want to install the product	t.
Name: EOne_ManagementAgent1	
Path: C:\jde_home_1	Bro <u>w</u> se)
Produc	t Languages)
Help Installed Products Back Next Install	Cancel

- **3.** On Specify Home Details, complete these fields:
 - Name:

Enter a name for the Management Agent. The default name is:

EOne_Management_Agent

• Path:

The installer automatically detects the root drive location on the Microsoft Windows machine and by default appends this value:

jde_home

Note: Although **jde_home** is the default and recommended setting, you can specify any value to replace the default value.

The directory that you specify cannot already exist.



📓 Oracle Universal Installer: JD Edwards Server Manager Management Agent 📃 🗖 🙋
ORACLE' JD Edwards EnterpriseOne
JD Edwards Server Manager Management Agent
Welcome to the Wizard for JD Edwards Server Manager Management Agent
This Wizard will install JD Edwards Server Manager Management Agent on your computer. To continue, choose Next. JD Edwards Server Manager Management Console Oracle/JD Edwards http://www.oracle.com
Help Installed Products Back Next Install Cancel



4. On Welcome to Wizard for JD Edwards Server Manager Management Agent, click the **Next** button.

🔀 Oracle Universal Installer: IE		e			_ 🗆 X
ORACLE' JD Edward	s EnterpriseOne	A.477	100 m To 100 m		
IBMi Server and	I User Profile				
Server Manager Ma	nagement Agent				
Please enter the following	information referring to t	he IBMi Server y	ou want to use:		
IBMi Server Name:	jdedev2				
IBMi User Profile:	QSECOFR				
User Password:	******				
Confirm Password:	******				
IBMi Agent Folder Name:	jde_home_1				
Help Insta	lled <u>P</u> roducts	Back	Next	Install	Cancel



- 5. On IBMi Server and User Profile, complete these fields:
 - 。 IBMi Server Name

Enter the name of your *IBM i* target server.

• IBMi User Profile

Enter the user profile for the *IBM i* target server on which the Management Agent will be installed.

• User Password

Enter the password for the *IBM i* user profile specified in the previous field.

• Confirm Password

Confirm the password for the *IBM i* user profile specified in the previous field.

。 IBMi Agent Folder Name

Enter the name of the IBMi Agent Folder.



6. Click the Next button.

📉 Oracle Universal Installer: Managem		mation			_ 🗆 🗙	
ORACLE' JD Edwards Enter	priseOne		100 m 100			
Management Consol	e Informat	tion				
Server Manager Manager	nent Agent					
Please enter following information.						
-						
Management console machine	dnrramuvm3.us	.oracle.com				
Management console HTTP port	8999					
Management console using SSL	NO				-	
Note:						
If Management console machine URL uses SSL encryption, select YES otherwise select NO						
Help Installed Pro	lucts	Back	Next	Install	Cancel	

- 7. On Server Manager Management Agent, complete these fields:
 - Management console machine

You must specify the host name of an existing *Management Console* machine.

The installer verifies the connection to the *Management Console* during the install. The *Management Console* machine must be started and the *Management Console* must be running in order to run the installer. In some cases, depending on your machine, operating systems, or network, you might need to



fully qualify your machine name. For example, instead of specifying only dnrramuvm2 you might need to specifydnrramuvm2.mlab.jdedwards.com.

Tip: You can determine the name of your *Management Console* from the information supplied on the *Management Agent Installers* screen. For navigation, refer to Step 2 in the section entitled: *Obtain the Management Agent Installer Application*. You can also view the **readme.txt** file in the root directory of the *Management Console*.

Download and install the appropriate Server Manager agent installer from the list below. When prompted to enter the server name and port to use for the management console enter the following values:

Management Console Machine Name denlcmwn5.mlab.jdedwards.com					
Management Console HTTP Port 8999					
Operating System					
windows					
linux					
solaris					
aix					
os400					

• Management console HTTP port

You must specify a valid port of an existing *Management Console* machine.

The installer verifies the port connection to the *Management Console*. The machine must be started and the *Management Console* must be running in order to run the installer.

Tip: You can determine the port of your *Management Console* from the information supplied on the *Management Agent Installers* screen. For navigation, refer to Step 2 in the section entitled: *Obtain the Management Agent Installer Application*.



Management Agent Installers

A Return To Top

Download and install the appropriate Server Manager agent installer from the list below. When prompted to enter the server name and port to use for the management console enter the following values:

Management Console Machine Name donlowwnE mlab idodwards.com Management Console HTTP Port 8999 Operating System windows linux solaris aix os400

• Management console Using SSL

Select:

- YES SMC runs on SSL
- NO SMC does not run on SSL

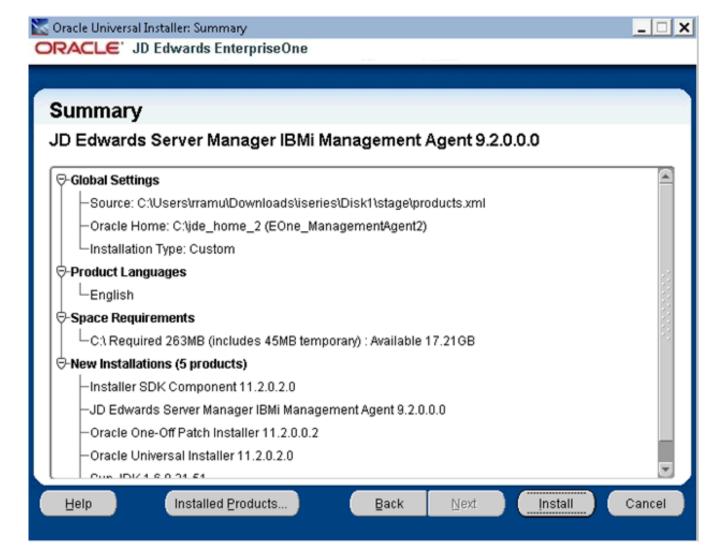


8. Specify if the Management Console is using Secure JMX.

🔛 Oracle Universal Installer: Specify Agent Secure JMX —
ORACLE' JD Edwards EnterpriseOne
Specify Agent Secure JMX
Agent Secure JMX Selection
Management console using Secure JMX
[®] ⊻es
⊂ N <u>o</u>
Noto
Note: If Management console machine uses secure JMX, select Yes otherwise select No
Help Installed Products Back Next Install



9. Click the **Next** button to verify the machine and port values.



10. On Summary, review the information and click the **Install** button to begin the installation.

🔀 Oracle Universal Installer: Install	_ 🗆 X				
ORACLE' JD Edwards EnterpriseOne					
Install					
Installing JD Edwards Server Manager IBMi Management Agent 9.2.0.0.0					
Copying files for 'Sun JDK 1.6.0.21.51 '					
Setup pending					
Configuration pending					
copying 'jdk/include/win32/jni_md.h'					
2%]				
Stop installation					
You can find the log of this install session at: C:\Program Files (x86)\Oracle\Inventory\logs\installActions2015-09-15_03-55-46AM.log					
Help Installed Products Back Next Install	Cancel				

The Management Agent installer displays a panel showing the ongoing status of the installation.

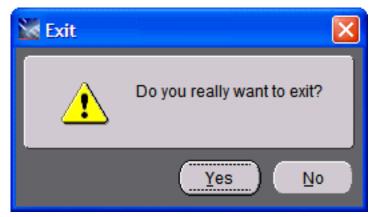
🚟 Oracle Universal Installer: End of Installation	
ORACLE' JD Edwards EnterpriseOne	
End of Installation	
The installation of JD Edwards Server Manager Windows Management Agen was successful.	ıt.
Please remember	
You can find the log of this install at: C:\Program Files\Oracle\Inventory\logs\installActions2011-11-09_01-21-51PM.log	
Help Installed Products Back Next Install	Exit

11. When the installation finishes, the End of Installation screen is displayed.

CAUTION: Examine the Installer Logs. This screen also displays the location of the install log. Even though the screen indicates that the installation was successful, you should always check the logs before you attempt to run the Agent. The file name starts with "installActions" and includes a time stamp; it is located in c:\oraInventory\logs directory. For example: cc:\Program Files\Oracle\Inventory\logs \installActions2018-11-09_01-21-51PM.log



12. Click the **Exit** button.



13. On the Exit dialog, click the **Yes** button to confirm you want to exit the Management Agent installer.



Note:

At the end of the installation of the Management Agent installer for OS/400, an agent installation directory will exist in the IFS directory root on the IBM i

machine. The name of the directory is:

jde_home_x_Agent

where "x", if it exists, is the numeric value to differentiate the <code>jde_home</code> if multiple agents exist on this machine.

For example, the IFS structure for the Management Agent install might look like this:

Address 🛅 \\DNITSAS4.mlab.jded	wards.com\ROOT\jde_home_1_Agent
Name 🔺	Size Type
🗀 diagnostics	File Folder
inventory	File Folder
🛅 jdk	File Folder
CPatch OPatch	File Folder
Doui	File Folder
CFHA SCFHA	File Folder
🖬 install.platform	1 KB PLATFORM File

Post Installation Steps for Web Server Instances on WebLogic 11g, WebLogic 12c, WebSphere 7.0, WebSphere 8.5.5.0, or WebSphere 9.0

If you are going to be managing either a WebLogic 11g or 12c Application server or a WebSphere 7.0, 8.5, or 9.0 Application server instance, it is recommended that you to select the same JDK for the Server Manager Agent as the one used by the Application server.



This section describes post installation tasks for these application servers:

- WebLogic 11g
- WebLogic 12c
- WebSphere 7.0, WebSphere 8.5, and WebSphere 9.0

WebLogic 11g

JD Edwards EnterpriseOne applications running under WebLogic Application Server require that the WebLogic server use a 64-bit JVM. In order to successfully manage a WebLogic server, you must select the same JDK for the Server Manager Agent as that being used by Weblogic server.

WebLogic 12c

JD Edwards EnterpriseOne applications running under the WebLogic Application Server require that the WebLogic server use a 64-bit JVM. In order to successfully manage a WebLogic server, you must select the same JDK for the Server Manager Agent as that being used by Weblogic server.

WebSphere 7.0, WebSphere 8.5, and WebSphere 9.0

The WebSphere 7.0 Application server uses version 1.6 JVM. In order to successfully manage a WebSphere 7.0 server, you must select the same JDK for the Server Manager Agent as that being used by the WebSphere 7.0 server.

The WebSphere 8.5.x Application Server uses version 1.7 JVM. In order to successfully manage a WebSphere 8.5.x server, you must select the same JDK for the Server Manager Agent as that being used by the WebSphere 8.5.x server.

The WebSphere 9.0 Application Server uses version 1.8 JVM. In order to successfully manage a WebSphere 9.0 server, you must select the same JDK for the Server Manager Agent as that being used by the WebSphere 9.0 server.

Troubleshoot the Management Agent Installation

This section describes:

- Management Agent Installer Failed
- Management Agent Does Not Start
- Management Agent Dies on Unix or IBM i
- Management Agent Cannot Manage the Application Server on Unix
- Management Agent Cannot Start or Stop a Unix Enterprise Server
- Management Agent Cannot Manage Secure Servers on WebSphere Application Server on IBM i
- Management Agent Install Handshake Exception



Management Agent Installer Failed

If the Management Agent installer fails to complete, an exception screen is displayed. For details, examine the log file located in the <code>oracle\Inventorylogs</code> directory:

Tip:

The log file location is displayed on the End of Installation screen for the Management Agent installer. Refer to the section of this guide entitled: *Run the Management Agent Installer*.

For example, the complete path and log file name might be:

C:\Program Files\Oracle\Inventory\logs\installActions2018-10-18-02-15-14PM.log

Management Agent Does Not Start

If the *Management Agent* does not start, verify that the port that the home agent is using is not used by another application. To determine the port that the home agent is using, view the <code>elagent_0.log</code> file that is located in the root of specified installation drive in the installation directory of the *Managed Home* (the default value is JDE_HOME). This location is shown on the End of Installation screen when you installed the Management Console. For example:

C:\Program Files\Oracle\Inventory\logs\installActions2018-10-18-02-15-14PM.log

The log file should contain this message:

INFO: Starting the management agent listener on port 'xxxxx'

Management Agent Dies on Unix or IBM i

You must use the & switch when invoking the startAgent script to start the *Management Agent* as a background job. If you do not use the & switch, the *Management Agent* process terminates when the shell is exited on UNIX or shell is exited on *IBM i*.

Management Agent Cannot Manage the Application Server on Unix

Ensure that you have installed the *Management Agent* with the same user and group as the Application Server. Use a directory listing to confirm that this is the case.

For example, this listing illustrates that the *Management Agent* was installed with user=oracle and group=oinstall:



 [root@denlcm	1x2 ı	uD2]#ls	-al oas-home	-agent	=/			
total 68				-				
drwxr-xr-x	14 (oracle	oinstall	4096	Sep	17	09:29	
droxroxrox	11 :	root	root	4096	Sep	12	09:37	
-rw-rr	1 (oracle	oinstall	6	Sep	17	09:29	agent.pid
droxroxrox	2 (oracle	oinstall	4096	Jul	31	14:28	bin
droxroxrox	7.0	oracle	oinstall	4096	Jul	31	14:28	cor
drwxr-xr-x	2 (oracle	oinstall	4096	Sep	12	10:47	components
drwxr-xr-x	2 (oracle	oinstall	4096	Jul	31	14:27	config
drwxr-xr-x	2 (oracle	oinstall	4096	Sep	17	09:29	data
droxroxrox	6 (oracle	oinstall	4096	Jul	31	14:28	jdk
drwxr-xr-x	4 (oracle	oinstall	4096	Jul	31	14:27	jvm
drwxr-xr-x	3 (oracle	oinstall	4096	Sep	18	15:23	lib
drwxr-xr-x	2 (oracle	oinstall	4096	Sep	17	09:29	logs
drwxr-xr-x	2 (oracle	oinstall	4096	Jul	31	14:27	META-INF
-rw-rr	1 (oracle	oinstall	7996	Jul	31	14:28	amha_is_install.log
drwxr-xr-x	7.0	oracle	oinstall	4096	Sep	19	14:24	targets
drwxr-xr-x	2 (oracle	oinstall	4096	Jul	31	14:28	uninst
[root@denlcm	ปม2 เ	uD2]#						—

If the *Management Agent* is not installed as the correct user or group, use the chown command to change the owner or group of the *Management Agent*. For example:

chown R oracle:oinstall /u02/JDE_HOME

Management Agent Cannot Start or Stop a Unix Enterprise Server

If you are using the *Management Agent* to manage a Unix Enterprise Server, you must install the *Management Agent* with the same user and group as the Unix Enterprise Server. Use a directory listing to confirm that this is the case.

For example, this listing illustrates that the *Management Agent* was installed with user=jde812 and group=jde812:

[root@denlcm	ılx2	u02]# ls	-al manageme	nt-age	ent/			
total 68								
drwxr-xr-x	14	jde812	jde812	4096	Sep	17	09:30	
drawarawara	11	root	root	4096	Sep	12	09:37	
-rw-rw-r	1	jde812	jde812	6	Sep	17	09:30	agent.pid
drawnawa	2	jde812	jde812	4096	Sep	12	10:45	bin
drawarawarawa	- 7	jde812	jde812	4096	Jul	12	10:26	ccr
drwxr-xr-x	2	jde812	jde812	4096	Sep	12	10:39	components
drwxr-xr-x	2	jde812	jde812	4096	Jul	31	13:19	config
drwxr-xr-x	2	jde812	jde812	4096	Sep	17	09:30	data
draxraxrax	6	jde812	jde812	4096	Jul	12	10:26	jdk
drwxr-xr-x	4	jde812	jde812	4096	Jul	12	10:25	_j vm
drwxr-xr-x	3	jde812	jde812	4096	Sep	12	10:32	lib
drwxr-xr-x	2	jde812	jde812	4096	Sep	17	09:30	logs
drwxr-xr-x	2	jde812	jde812	4096	Jul	12	10:25	META-INF
-rw-rr	1	jde812	jde812	8007	Jul	12	10:26	scfha_is_install.log
drwxr-xr-x	4	jde812	jde812	4096	Sep	12	09:58	targets
drwxr-xr-x	2	jde812	jde812	4096	Jul	12	10:26	_uninst

If the *Management Agent* is not installed as the correct user or group, use the **chown** command to change the owner or group of the *Management Agent*. For example:

chown R jde900:jde900 /u02/JDE_HOME

Management Agent Cannot Manage Secure Servers on WebSphere Application Server on IBM i

If you have trouble connecting to servers in a WAS profile for which administrative security is set to *enabled*, ensure that you have JDK 1.5 installed on the *IBM i* machine. The *Management Agent* needs security libraries from JDK 1.5 to connect to secure servers in WebSphere Application Server.

Tip:

The typical location for the JDK is:

/QIBM/ProdData/java400/jdk15



Management Agent Install Handshake Exception

You must enable the SSL/TLS for the Server Manager Console in the WebLogic Server if the exception javax.net.ssl.sslHandshakeException is displayed while installing the Server Manager Management Agent.

User this procedure to enable TLS/SSL for the Server Manager Console in the WebLogic Server:

1. Access the WebLogic Admin Console in the browser for the WebLogic domain in which the Server Manager Console is installed.

The following is an example URL:

https://denpbds11.example.com:7001/console

- 2. Login to the WebLogic Admin Console using your WebLogic administrative credentials.
- **3.** Navigate to Environments > Servers.
- 4. Click on this server: Server Manager Console.

Note: The example screen shot in this section shows the **SMC_Server_EOne_ManagementConsole1_Console**.

- 5. Click the Lock and Edit option if available.
- 6. Verify that you are in the General > Server Start tab.
- 7. Select the Arguments text box.



8. Add the following argument: -Dweblogic.security.SSL.minimumProtocolVersion=TLSv1 Refer to the following example.

🗲 🔿 🙋 http://	:7001/cons	ole/conso	le.po 🔎	- Q								🩋 Set	tings for SM0	C_Server_EO	. ×		ŵ
ORACLE WebLogic Server Adr	ministration Console	12c															
Change Center	Home Log Ou	t Preferences	Necord	Help	٩											Welcome, v	veblogic Connected to: jd
View changes and restarts	Home >Summary o	of Servers >SMC	_Server_EOn	e_ManagementCor	sole1_Console	•											
No pending changes exist. Click the Release Configuration button to allow others to edit the	Settings for SMC	_Server_EOn	e_Managem	entConsole1_Con	sole												
domain.	Configuration	Protocols L	ogging De	bug Monitoring	Control De	ployments	Services	Security	Notes								
Lock & Edit	General Cluste	er Services	Keystores	SSL Federation	Services Dep	ployment	Migration	Tuning	Overload	Health Monitoring	Server Start	Web Services	Coherence				
Release Configuration	Save			1													
Domain Structure																	
jde_domain	Node Manager is	s a WebLogic S	erver utility th	nat you can use to s	art, suspend, sl	hut down, an	nd restart se	ervers in no	rmal or une	xpected conditions. U	se this page to c	onfigure the start	up settings that Noo	de Manager will use	to start this	server on a remote mad	hine.
Servers ElClusters Coherence Clusters	Java Home:											The Ja Info	wa home directory	(path on the machi	ine running N	lode Manager) to use w	hen starting this server. Mc
 Machines Virtual Hosts Work Managers 	Java Vendor:]							The Ja	ava Vendor value to	use when starting	this server.	More Info	
Startup and Shutdown Classes Deployments D-Services	BEA Home:											The B Info		(path on the machir	ne running N	ode Manager) to use wh	en starting this server. Mo
Security Realms Jointeroperability Security Constraints	Root Directory:											The di Manag	irectory that this sei ger. If you do not sp	rver uses as its rool pecify a Root Direct	t directory. T ory value, th	his directory must be on e domain directory is us	the computer that hosts No ed by default. More Info
How do I	Class Path:											The cl	asspath (path on th	he machine running	Node Manag	ger) to use when starting	this server. More Info
Configure startup arguments for Managed Servers Start Managed Servers from the Administration Console Shut down a server instance							~										
System Status	Arguments:	weblogic.	security.	SSL.minimumE	rotocolVe	rsion=TI	.Sv1					The a	rguments to use wh	nen starting this ser	ver. More I	nfo	
Health of Running Servers	~	-					^										
Failed (0) Critical (0) Overloaded (0)							~										
Warning (0) OK (2)	Security Policy	File:										The server	ecurity policy file (di . More Info	irectory and filenam	ne on the ma	chine running Node Mar	nager) to use when starting t
	User Name:]							The u	ser name to use wh	nen booting this sen	ver. More It	nfo	
	Password:											The p	assword of the user	mame used to boot	the server a	nd perform server healt	h monitoring. More Info

9. Click the Save button.

ORACLE WebLogic Server Administration Console 12c

Change Center		🙆 Home	Log Out	Preference	s 📐 Rec	ord Help			Q						
View changes and restarts		Home >Su Messages	mmary of	Servers >SM	IC_Server_	_EOne_Ma	anagementCo	nsole1_Co	nsole						
Pending changes exist. They must be activat to take effect.	red	🕜 Setting	gs updat	ed successfu	illy.										
Activate Changes		Settings fo	r SMC_	Server_EO	ne_Mana <u>o</u>	gementCo	onsole1_Co	nsole							
Undo All Changes		Configura	ation	Protocols	Logging	Debug	Monitoring	Control	Deployments	Services	Security	Notes			
Domain Structure		General	Cluster	r Services	Keystor	res SSL	. Federatio	n Services	Deployment	Migration	Tuning	Overload	Health Monitoring	Server Start	Web Servi
jde_domain	^	Save									11				
Clusters Coherence Clusters Machines		Node Ma	nager is	a WebLogic	Server utili	ity that yo	u can use to :	start, suspe	nd, shut down, a	and restart s	ervers in no	ormal or une	expected conditions. U	se this page to co	nfigure the
Virtual Hosts Work Managers Startup and Shutdown Classes		Java Hon													T I
		Java Ven	dor:												Т
Interoperability Diagnostics	~	BEA Hom	e:												T I
How do I	-	Root Dire	ectory:												T
 Configure startup arguments for Managed Servers 		Class Pat	h:												T
 Start Managed Servers from the Administration Console 										~					
Shut down a server instance															
System Status	-									\sim					
Health of Running Servers															
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2)		Argumen -Djde.		/u01/SM0	Console	/SCFMC	-Dweblo	gic.sec	urity.SSL.	mini:					Т



10. Click the **Activate Changes** button.

ORACLE WebLogic Server Administration Console 12c

Change Center	Home Log O	ut Preference	s 脑 Record	Help			Q						
View changes and restarts	Home >Summary Messages	of Servers >SM	IC_Server_EOn	ne_Mana	agementCor	nsole1_Cor	nsole						
Click the Lock & Edit button to modify, add or delete items in this domain.	 All changes I 	have been activ	vated. No resta	irts are i	necessary.								
Lock & Edit	Settings for SMC	_Server_EOr	ne_Managem	entCon	sole1_Con	sole							
Release Configuration	Configuration	Protocols	Logging Del	bug I	Monitoring	Control	Deployments	Services	Security	Notes			
Domain Structure	General Clust	er Services	Keystores	SSL	Federation	Services	Deployment	Migration	Tuning	Overload	Health Monitoring	Server Start	Web Serv
jde_domain Environment Servers Clusters Coherence Clusters	Click the Lock of Save	& <i>Edit</i> button i	in the Change (Center ti	o modify the	settings o	n this page.				1		
Machines Virtual Hosts Work Managers		is a WebLogic	Server utility th	hat you (can use to st	tart, suspe	nd, shut down, a	and restart s	ervers in no	ormal or une	expected conditions. U	se this page to co	onfigure the
	Java Home:												
Services Security Realms Interoperability	Java Vendor:]							
How do I	BEA Home:												
 Configure startup arguments for Managed Servers 	Root Directory												
Start Managed Servers from the Administration Console	Class Path:												
Shut down a server instance								~					
System Status													
Health of Running Servers								~					
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2)	Arguments: -Djde.home	=/u01/SMC	Console/SC	CFMC ·	-Dweblog	jic.sec	urity.SSL.	.mini:					
								~					

- **11.** Restart the Server Manager Console j2ee server if required.
- **12.** Stop and then start the Server Manager Console J2ee server if required.

13. Access the Server Manager Console in the browser using an HTTPS/SSL based URL. For example: https:// <Server_Manager_Console_HostName>:< SSL_Listen_Port>/manage/home

In the following screenshot the URL is:

https://denpbds11.example.com:9000/manage/home

ORACLE JD Edwards EnterpriseOne Server M	lanager	
	Sign In	
	Enter your user ID and password.	
	User ID	
	Password	
	Sign In	
This system is int	ended for limited (authorized) use and is subject to (company policies.

14. Install the Server Manager Management Agent over this SSL port.

Deinstall a Management Agent

Any *Managed Instances* registered or installed with a *Managed Home* must be removed before the *Managed Home* itself can be deinstalled. For instructions on removing an instance, refer to the chapter of the *Server Manager Guide* guide entitled: *Remove a Managed Instance*.

You must deinstall a *Management Agent* running the Oracle Universal Installer on the same machine that was originally used to install it.

This section describes deinstallation of the Management for these platforms:

- Microsoft Windows and UNIX
- IBM i OS/400

Microsoft Windows and UNIX

Use this procedure to deinstall the Management Agent from Microsoft Windows and UNIX target machines. The Oracle Universal Installer must be used to properly deinstall the Management Agent.



CAUTION: You must deinstall a *Management Agent* using the Oracle Universal Installer on the same machine that was originally used to install it.

CAUTION: If you will no longer use Server Manager on the machine on which you wish to deinstall the agent, before you deinstall the agent you should first deinstall any Server Manager-installed software components. Otherwise once the agent is deinstalled you will no longer be able to deinstall those components.

Note: The JRE or JDK that was specified during installation was copied to the Oracle Home (for example, installation directory); the deinstaller uses that same JRE or JDK when it is run so no -jreloc argument is needed.



1. Launch Oracle Universal Installer:

• Microsoft Windows

Disk1/install/setup.exe

Alternately, you can navigate Start > Oracle - E1_Management_Agent_x > Oracle Installation Products > Universal Installer

where "x", if it exists, is the numeric value of the Management Agent that you want to deinstall.

 \circ UNIX

/<installation_home>/oui/bin/runInstaller.sh

After the OUI installer is launched, the Welcome screen is displayed.



Sector Contraction of the Installer: Welcome Installer: Welcome
ORACLE' JD Edwards EnterpriseOne
Welcome
The Oracle Universal Installer guides you through the installation and configuration of your Oracle products.
Click "Installed Products" to see all installed products.
Deinstall Products
About <u>O</u> racle Universal Installer)
Help Installed Products Back Next Install Cancel

2. On Welcome, click the **Deinstall Products...** button.

📓 Inventory
Contents Environment
You have the following Oracle products installed:
DE_Standalone_Home
EOne_ManagementAgent1
€-□ EOne_ManagementAgent2
Product Information Location: C:\jde_home_1
 Show empty homes. If you want to remove Oracle software, please check the items and click "Remove".
To see the languages installed and other details of a component, select the component and then click "Details".
Expand All Collapse All Details Remove
Help Save As Close

3. On Inventory, with the Contents tab selected, select the check box for the Management Agent that you want to deinstall. For example:

EOne_ManagementAgent1

4. Click the **Remove** button.

Confirmation
Are you sure you want to deinstall the following products and their dependent components?
– JD Edwards Server Manager Windows Managen
- Oracle Universal Installer 11.2.0.2.0
Oracle One-Off Patch Installer 11.2.0.0.2
- Installer SDK Component 11.2.0.2.0
Sun JDK 1.6.0.21.51
Homes to be removed
Help Yes No



5. On Confirmation, ensure the selected **jde_home** on the target machine is that of the Management Agent that you want to install, and click the **Yes** button.

A deinstallation progress panel is displayed:

Remove	×
Deinstalling 'JD Edwards Server Manager Windows Management Agent 1.0.0.0.0 '	
Performing deinstall actions	
Cancel	

When the deinstallation complete, the Inventory screen is displayed.



Markentory
Contents Environment
You have the following Oracle products installed:
⊕ JDE_Local_DB_Home ⊕ E1Local
Product Information Location: Not Available
□ Show empty homes.
If you want to remove Oracle software, please check the items and click "Remove".
To see the languages installed and other details of a component,select the component and then click "Details". Expand All Collapse All Details
Help Save As Close

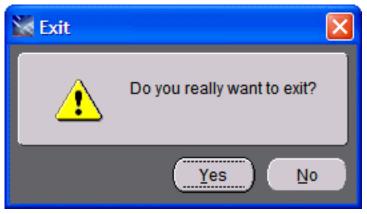
6. On Inventory, verify that the selected home for the Management Agent that you deinstalled is not displayed.

7. Click the **Close** button to close the Inventory panel and return to OUI.

Vacle Universal Installer: Welcome	
ORACLE JD Edwards EnterpriseOne	
° Welcome	
The Oracle Universal Installer guides you through the installation and config Oracle products.	juration of your
Click "Installed Products" to see all installed products.	
Deins	stall Products
About <u>O</u> racle	e Universal Installer
Help Installed Products Back Next Ir	nstall Cancel



8. On Welcome, click the Cancel button to exit the installer.



9. On the Exit dialog, click the Yes button to confirm you want to exit the installer.

IBM i OS/400

Use this procedure to deinstall the Management Agent from *IBM i* OS/400 target machines. The Oracle Universal Installer must be used to properly deinstall the Management Agent.

CAUTION: You must deinstall a *Management Agent* running the Oracle Universal Installer on the same Microsoft Windows machine that was originally used to install it.

CAUTION: If you will no longer use Server Manager on the machine on which you wish to deinstall the agent, before you deinstall the agent you should first deinstall any Server Manager-installed software components. Otherwise once the agent is deinstall you will no longer be able to deinstall those components.

Note: The JRE or JDK that was specified during installation was copied to the Oracle Home (for example, installation directory); the deinstaller uses that same JRE or JDK when it is run so no -jreloc argument is needed.



1. Launch Oracle Universal Installer from this location:

Disk1/install/setup.exe

Alternately, you can navigate Start > Oracle - E1_Management_Agent_x > Oracle Installation Products > Universal Installer

where "x", if it exists, is the numeric value of the Management Agent that you want to deinstall.

After the OUI installer is launched, the Welcome screen is displayed.

Oracle Universal Installer: Welcome ORACLE JD Edwards EnterpriseOne	
	-
Welcome	
The Oracle Universal Installer guides you through the installation and configuration of Oracle products.	of your
Click "Installed Products" to see all installed products.	
Deinstall Produ	ucts
About Qracle Universa	al Installer)
Help Installed Products Back Next Install	Cancel

2. On Welcome, click the **Deinstall Products...** button.

📓 Inventory
Contents Environment
You have the following Oracle products installed:
DIDE_Standalone_Home
EOne_ManagementAgent1
€-□ EOne_ManagementAgent2
Product Information Location: C:\jde_home_1
 Show empty homes. If you want to remove Oracle software, please check the items and click "Remove".
To see the languages installed and other details of a component, select the component and then click "Details".
Expand All Collapse All Details Remove
Help Save As Close

3. On Inventory, with the Contents tab selected, select the check box for the Management Agent that you want to deinstall. For example:

EOne_ManagementAgent1

4. Click the **Remove** button.

Confirmation
Are you sure you want to deinstall the following products and their dependent components?
-C:\jde_home_1 (5 products)
JD Edwards Server Manager Windows Managen
- Oracle Universal Installer 11.2.0.2.0
- Oracle One-Off Patch Installer 11.2.0.0.2
- Installer SDK Component 11.2.0.2.0
Sun JDK 1.6.0.21.51
O-Homes to be removed
Help Yes No



5. On Confirmation, ensure the selected **jde_home** on the target machine is that of the Management Agent that you want to install, and click the **Yes** button.

🔛 User Input	
The following value is required to proceed. Please and click 'OK' to continue.	e enter the value
iSeries password.	
Help C	K Cancel

- 6. On the User Input dialog, enter the iSeries password.
- 7. Click the **OK** button.

A deinstallation progress panel is displayed:

Remove	×
Deinstalling 'JD Edwards Server Manager Windows Management Agent 1.0.0.0.0 '	
Performing deinstall actions	
Cancel	



8. When the deinstallation complete, the Inventory screen is displayed.

🔛 Inventory
Contents Environment
You have the following Oracle products installed:
⊕ ⊡ E1Local
Product Information Location: Not Available
☐ Show empty homes. If you want to remove Oracle software, please check the items and click "Remove".
To see the languages installed and other details of a component, select the component and then click "Details".
Expand All Collapse All Details Remove
Help Save As Close

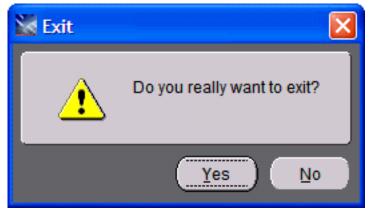
9. On Inventory, verify that the selected home for the Management Agent that you deinstalled is not displayed.

10. Click the **Close** button to close the Inventory panel and return to OUI.

🐭 Oracle Universal Installer: Welcome	
ORACLE JD Edwards EnterpriseOne	
Welcome	
The Oracle Universal Installer guides you through the installation and con Oracle products.	figuration of your
Click "Installed Products" to see all installed products.	
De	install Products
About Ora	acle Universal Installer)
Help Installed Products Back Next	install Cancel



11. On Welcome, click the **Cancel** button to exit the installer.



12. On the Exit dialog, click the **Yes** button to confirm you want to exit the installer.





3 Uninstall the Server Manager Management Console

Uninstall the Server Manager Management Console

CAUTION: If you uninstall the Management Console, you can no longer remotely manage servers associated with that Management Console. Without the Management Console, you cannot deploy updates to servers associated with that Management Console.

CAUTION:

Important Prerequisites. Prior to running the deinstaller/uninstaller, verify the following prerequisites.

WebLogic

Verify that the WebLogic AdminServer and the Nodemanager of the WebLogic Domain is running.

WebSphere

Ensure the Administration Server (or deployment manager) of the WAS Profile is running.

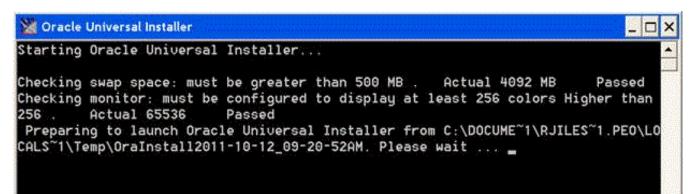


1. Once launched the deinstallation steps are the same for Microsoft Windows and Linux/Solaris platforms. The invocation methods are listed below:

Microsoft Windows

Go to Start > All Programs > Oracle - JDE_Standalone_Home > Oracle Installation Products > Universal Installer.

The Windows Command window starts indicating Windows is preparing to launch OUI.



Linux and Solaris

You can invoke the deinstaller/uninstaller by re-running the Server Manager Console installer. If the installer software has been deleted, you can still launch it using this command: <code>\$ORACLE_HOME/oui/runInstaller</code>

It will take a minute or so for the initialization to complete. Upon completion the OUI Welcome panel displays:



Dracle Universal Installer: Welcome RACLE' JD Edwards EnterpriseOne		
Welcome		
The Oracle Universal Installer guides you Dracle products.	ı through the insta	allation and configuration of your
Click "Installed Products" to see all inst	alled products.	
		Deinstall Products
		About Qracle Universal Installer

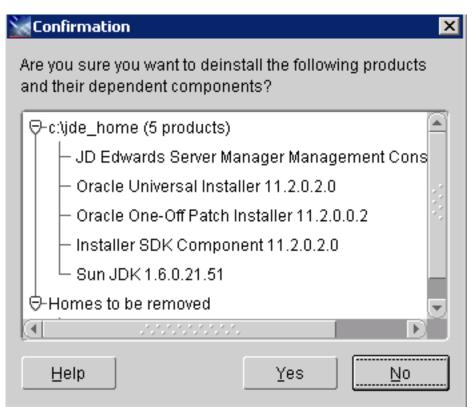
2. On Welcome, click the Deinstall Products ... button.

Inventory 🛛
Contents Environment
You have the following Oracle products installed:
⊕ ☐ OraClient11g_home1
€-12 EOne_ManagementConsole
Product Information Location: c:\jde_home
Show empty homes. If you want to remove Oracle software, please check the items and click "Remove".
To see the languages installed and other details of a component,select the component and then click "Details".
Expand All Collapse All Details Remove
Help Save As Close

- **3.** On Inventory, select the node under Oracle Homes that corresponds to your Server Manager Management Console installation. For example: EOne_ManagementConsole
- **4.** Once the component to be deinstall is selected, verify the **Location** in the **Product Information** portion of the screen.



5. On Inventory, with the Contents tab selected, if the selected Oracle Home is correct, click the **Remove...** button.





6. On Confirmation, click **Yes** to begin the deinstallation of the selected Oracle Home.

The Remove progress dialog is displayed:

Remove 🗙
Deinstalling 'JD Edwards Server Manager Management Console 1.0.0.0.0 '
Performing deinstall actions
Cancel



🔛 Inventory
Contents Environment
You have the following Oracle products installed:
There are no installed products.
Show empty homes.
If you want to remove Oracle software, please check the items and click "Remove".
To see the languages installed and other details of a component,select the component and then click "Details".
Expand All Collapse All Details Remove
Help Save As Close

7. On Inventory, verify the selected Oracle Home is no longer displayed.

8. On Inventory, click the **Close** button.

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9. On the Welcome screen, click the Cancel button to exit the Oracle Universal Installer.



10. On the Exit dialog, click the **Yes** button to OUI.



