Oracle® Utilities Work and Asset Management

Installation Guide for WebLogic Release 1.9.0.3 on Linux

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Oracle® Utilities Work and Asset Management Installation Guide for WebLogic for Release 1.9.0.3 on Linux

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Preface

This guide provides information needed to install Oracle Utilities Work and Asset Management in a Linux operating system application server.

Audience

Oracle Utilities Work and Asset Management Upgrade Installation Guide for Windows is intended for anyone installing Oracle Utilities Work and Asset Management Release 1.9.0.3 on Linux.

Related Documents

For more information on this release, refer to the following related documentation.

- Oracle Utilities Work and Asset Management Configuration Guide for Release 1.9.0.3
- Oracle Utilities Work and Asset Management Installation Guide for OAS Release 1.9.0.3 on Linux OS Application Server - New installation on OAS/Linux OS
- Oracle Utilities Work and Asset Management Installation Guide for OAS Release 1.9.0.3 on Windows OS Application Server New installation on OAS /Windows OS
- Oracle Utilities Work and Asset Management Installation Guide for Weblogic Release 1.9.0.3 on Linux OS Application Server - New installation on WebLogic /Linux OS
- Oracle Utilities Work and Asset Management Installation Guide for Weblogic Release 1.9.0.3 on Windows OS Application Server - New installation on WebLogic / Windows OS
- Oracle Utilities Work and Asset Management Online Help for Release 1.9.0.3
- Oracle Utilities Work and Asset Management Quick Install Guide for Release 1.9.0.3
- Oracle Utilities Work and Asset Management Release Notes Guide for Release 1.9.0.3
- Oracle Utilities Work and Asset Management Upgrade Install Guide for Release 1.9.0.3 on Linux OS Application Server
- Oracle Utilities Work and Asset Management Upgrade Install Guide for Release 1.9.0.3 on Windows OS Application Server
- Oracle Utilities Work and Asset Management User Guide for Release 1.9.0.3
- Oracle Application Server: http://www.oracle.com/technetwork/middleware/ias/ documentation/index.html
- Oracle Weblogic Server: http://www.oracle.com/technetwork/middleware/weblogic/ documentation/index.html
- Oracle® Fusion Middleware Installation Guide for Oracle WebLogic Server 11g Release 1 (10.3.4)

- Oracle® Fusion Middleware Installation Guide for Oracle Portal, Forms, Reports and Discoverer 11g Release 1 (11.1.1)
 - https://support.us.oracle.com/oip/faces/secure/km/
 DownloadAttachment.jspx?attachid=1088873.1:FMW11GFR_INSTALL_PT1
 - https://support.us.oracle.com/oip/faces/secure/km/
 DownloadAttachment.jspx?attachid=1088873.1:FMW11GFR_INSTALL_PT2
 - https://support.us.oracle.com/oip/faces/secure/km/
 DownloadAttachment.jspx?attachid=1088873.1:FMW11GFR_INSTALL_PT3
 - https://support.us.oracle.com/oip/faces/secure/km/
 DownloadAttachment.jspx?attachid=1088873.1:FMW11GFR_INSTALL_PT4
 - https://support.us.oracle.com/oip/faces/secure/km/ DownloadAttachment.jspx?attachid=1088873.1:FMW11GFR_INSTALL_PT5

Conventions

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The following text conventions are used:

Convention	Meaning	
italic	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 in examples, text that appears on the screen, or text that you enter.	

Supported Platforms and Hardware Requirements

This section provides information regarding the operating systems and servers on which this release has been tested and certified.

Supported Platforms

The installation has been certified to operate on many operating system, application server, and database server combinations. See below for details on the browser, operating system and application server combinations on which this release has been tested and certified. If you are consulting this matrix in between releases (including service pack and patch releases), you should contact customer support for the most up to date version.

Operating System for the Application Server	Chipset	Application Server	Database Server	Client Operating System	
AIX 5.3 (64-bit) TL11 AIX 6.1 (64-bit) TL4	Power 64-bit	Not Supported	Supported Oracle Database versions		
HP-UX 11.31 (64-bit)	Itanium	Not Supported	include 10.2.0.4, 11.1.0.7, and Windows7 x86 11.2.0.1, SP1 (64-bit and 3 Enterprise or bit) Standard Edition.		
Oracle Enterprise Linux 5.4 (64-bit) Red Hat Enterprise Linux 5.4 (64-bit)	x86_64	Oracle Application Server v10g (10.1.2.3)		SP1 (64-bit and 32- bit)	
		Weblogic Server 10.3.4/Forms 11g 11.1.1.4		Windows Vista x86* (64-bit and 32-bit)	
Sun Solaris 10 (64-bit)	SPARC	Not Supported	-	Oracle Enterprise Linux 5.4 (64-bit)	
Windows 2008 Server Enterprise Edition SP2 (64-bit)	x86_64	Weblogic Server 10.3.4/Forms 11g 11.1.1.4	-		
Windows 2003 Server Enterprise Edition SP2 (64-bit and 32-bit)	x86_64 x86_32	Oracle Application Server v10g (10.1.2.3)	-		

Client Operating System Specific

Browsers

• Internet Explorer 7.x(32-bit) - not supported on Linux client

- Internet Explorer 8.x (32-bit) not supported on Linux client
- Mozilla Firefox 3.6.x (32-bit)
- Mozilla Firefox 4.0 (32-bit)

Java

Java Virtual Machine Plug-in for Browser - Sun Java Plug-in v1.6.0_26(32-bit)

Application Server Specific

Java

JDBC Driver - 10.2.0.4

Mobile Operating Systems

Windows Mobile 6.5

VM Products

Oracle VM 2.2

Notes

- Oracle VM may be used to create a virtual machine for either the database or application server operating system. Refer to the Oracle VM Release 2.2 documentation for more information about using Oracle VM.
- Barcoding, Mobile and Charts are not supported on Linux. The supporting software required to run these add-ons (such as rfgen and IIS) does not work with Linux.
- *Windows Vista to be de-supported in a future release.

Support for Software Patches and Upgrades

Due to the ongoing nature of software improvement, vendors will issue patches and service packs for the operating systems, application servers and database servers on top of specific versions that Oracle Utilities Work and Asset Management has been tested with.

If it is necessary to apply an upgrade, please do that in a test environment prior to updating the Oracle Utilities Work and Asset Management production environment.

Always contact Oracle Utilities Work and Asset Management support prior to applying vendor updates that do not guarantee backward compatibility.

WebLogic Installation Guide

This document provides information and steps needed to install Oracle Utilities Work and Asset Management Release 1.9.0.3 in a Linux operating system application server.

Review this entire guide before you begin your installation. Please also note the following:

- This guide applies for new installations on a WebLogic server.
- Refer to the Supported Platforms and Hardware Requirements section to verify hardware, software and platforms compatible with this release.
- Please note that the person completing the installation must have sufficient DBA privileges. This can be added using:

grant create type to <synergen_schema_owner>;

Required Installation Tasks

The following major steps are required to correctly apply the upgrade:

- Review the entire Upgrade Guide.
- Review supporting WebLogic Documentation as needed. (See the Related Documents section in the Preface for references.)
- Download the following:
 - JDK: 6u23 64-bit
 - WebLogic: 10.3.4.0
 - Oracle Portal, Forms, Reports and Discover: 11.1.1.2
 - Oracle Portal, Forms, Reports and Discover: 11.1.1.4
 - WAM 1.9.0.3
- Install Java SE Development Kit 6 Update 23 64-bit (Sun JDK 1.6.0_23)
- Install WebLogic Server 10.3.4.0
- Install Oracle Portal, Forms, Reports and Discover 11.1.1.2 (no configuration)
- Install Patchset "Oracle Portal, Forms, Reports and Discover 11.1.1.4 (upgrade)
- Configure Oracle Forms 11g (creates Domains and Instance)
- Install Oracle Utilities Work and Asset Management 1.9.0.3
- JDBC Configuration
- WAM 1.9.0.3 SIA\Forms Deployment
- Load Clean or New Database

Complete the Post - Installation Considerations Checklist

Target Environment

Throughout this document, reference is made to a 'target environment'. An 'environment' is a complete Oracle Utilities Work and Asset Management application environment (Oracle Database instance, Oracle Application Server (forms and reports) instance, SIA instance, Chart Server instance) configured for a 'purpose' such as 'training', 'test', 'production', etc. The installation program will ask you to select the target environment you wish to upgrade.

When upgrading the various components (potentially on different servers), it is essential that you select the same target environment on each server.

Install Components in Target Environment

The WAM installation for Linux is delivered in a tar file:

- 1. Extract the contents of WAM19030.tar.gz to a directory of your choice.
- 2. After this file is extracted complete these phases to upgrade:
 - Install Application Server Components
 - Install Oracle Application Server Components
 - Install Database Scripts
- 3. When asked to 'Enter the name of the environment you wish to setup during this installation', the name entered here will be used to create a number of items, including directory folder names, Oracle OC4Jinstances, database alias pointers, etc. The name must match the instance name that was used when creating the OC4J in the Mid-Tier configuration step.

You must use the same 'case' when entering the environment name in all four installation types - for example, you must enter 'DEMO' in all four installations, and not mix 'DEMO', 'demo' and 'Demo' -otherwise, you will encounter problems in the application.

Upgrade Steps

Complete the following steps to install the upgrade.

1.0 Install Java SE Development Kit 6 Update 23 64-bit

1.1 Launch the JDK installer by selecting jdk-6u23-windows-x64.exe.

The installation wizard for Java SE Development Kit 6 Update 23 is launched.

1.2 Click Next to continue.

1.3 Accept all default program features on the Custom Setup screen and click Next to continue.

뤻 Java(TM) SE Development Kit 6 l	Jpdate 23 (64-bit)	- Custom Setu	p 🔀
Custom Setup Select the program featu	res you want installed		ORACLE
Select optional features to install from th installation by using the Add/Remove Pr			vice of features after
Development Tools Demos and Samples Source Code Public JRE		Update 23 (64 private JRE 6	iption bevelopment Kit 6 -bit), including Update 23. This DMB on your hard
Install to: C:\Program Files\Java\jdk1.6.0_23\			hange
	< <u>B</u> ack	<u>N</u> ext >	Cancel

1.4 Select the destination path then click Next to continue.

👘 Java Set	up - Destination Folder	×
چ) Java ^r	Destination Folder Click "Change" to install Java to a different folder.	ORACLE
Install to: C:\Program	Files\Java\jre6\	<u>C</u> hange
	Cancel	Next >

- 1.5 After the installation is complete select Finish to close the installation wizard.
- 1.6 Validate that the program was installed correctly by navigating to the folder where the program was installed.

2.0 Install WebLogic Server 10.3.4.0

2.1 Open a command prompt and enter: java -jar wls1034_generic.jar

This opens the WebLogic 10.3.4.0 installer wizard.

2.2 Click Next to continue from the Welcome screen.

2.3 Select Create a new Middleware Home then enter or Browse to your Middleware Home Directory.

🧟 Oracle Installer - WebLogic 10.3.4.0	
Choose Middleware Home Directory Specify the Middleware Home where you wish to install WebLogic 10.3.4.0.	ORACLE
Middleware Home Type Use an existing Middleware Home O Create a new Middleware Home	
Middleware Home Directory	
C:\Oracle\Middleware Browse Reset	
Browse Reset	Previous

You can keep the default directory or specify a new location.

2.4 Click Next.

The Register for Security Updates screen opens.

🔂 Oracle Installer - WebLogic 10.3.4.0	
Register for Security Updates Provide your email address for security updates and to initiate configuration manager.	ORACLE
Email: Use My Oracle Support email address/username	
✓ I wish to receive security updates via My Oracle Support Support Password:	
Exit	Previous <u>N</u> ext

2.5 Enter your e-mail address and check the I wish to receive Security updates via MyOracle Support box.

🛃 Oracle Installer - WebLogic 10.3.4.0	_ 🗆 🗙
Register for Security Updates Provide your email address for security updates and to initiate configuration manager.	ORACLE [.]
Email: Use My Oracle Support ema	ail address/username
☑ I wish to receive security updates via My Oracle Support Support Password:	
Exit	Previous Next

- 2.6 Enter your password and click Next.
- 2.7 When asked to choose your installation type, select Custom and click Next.

🛃 Oracle Installer - We	bLogic 10.3.4.0	_ 🗆 🗙
Choose Install Typ Select the type of installat		ORACLE
O Typical	all the following product(s) and component(s) • WebLogic Server • Oracle Coherence	
● Custom		
	ose software products and components to ins figuration.	tall and perform optional
Exit		Previous Next

The Products and Components selection screen opens.

2.8 Make the selections as shown then click Next.

🛃 Oracle Installer - WebLogic 10.3.4.0	
Choose Products and Components Grayed selections are already installed. Double-click headings to reveal or collapse selections.	ORACLE
WebLogic Server Core Application Server Administration Console Origuration Wizard and Upgrade Frameworl WebLogic SCA WebLogic JDBC Drivers Third Party JDBC Drivers WebLogic Server Clients WebLogic Web Server Plugins UDDI and Xquery Support Server Examples Evaluation Database Oracle Coherence	Description Coherence provides reliable distributed in-memory data management and caching services on top of a highly scalable peer-to-peer dustering protocol. Approximate Installed Size* Highlighted item: 12.6 MB Common artifacts: 49.0 MB Total of all selected items: 525.5 MB *Installer requires free disk space approximately 2x this total
Exit	Previous

The JDK Selection screen opens.

2.9 Choose the JDK to be installed and click Next.

🔂 Oracle Installer - WebLogic 10.3.4.0	_ [] >
JDK Selection JDK(s) chosen will be installed. Defaults will be used in script string-substitution if installed.	ORACLE
	💍 Discard Changes
Bundled JDK:	Approximate installed size*
	Highlighted item:
	All selected bundled JDK's: 0.0 KB
	Total of all selected items: 525.5 MB
	*Installer requires free disk space approximately 2x this total
Local JDK:	·
☑ Sun SDK 1.6.0_23 (C:\Program Files\Java\jdk1.6.0_23)	
Browse	
E⊻it	Previous Next

The Product Installation Directories selection screen opens.

2.10 When asked to provide the directory where you wish to install WebLogic, keep the default directory or specify a new location then click Next.

🤯 Oracle Installer - WebLogic 10.3.4.0	_ 🗆 🗙
Choose Product Installation Directories Provide the directories where you wish to install WebLogic 10.3.4.0.	ORACLE
	💍 Discard Changes
Middleware Home Directory	
C:\Oracle\Middleware	
Product Installation Directories The Product Home might contain shared utilities and any products or component are not set. WebLogic Server:	nts for which unique directories
C:\Oracle\Middleware\wlserver_10.3	Browse
Exit	Previous Next

The Install Windows Service screen opens.

2.11 For the Node Manager Service, select Yes and keep the default port, or specify a new value then click Next.

🚾 Oracle Installer - WebLogic 10.3.4.0	
Install Windows Service Install Windows Service to make indicated functionality available after machine reboot.	ORACLE
Node Manager Service	
Yes Install now. This enables remote start and health monitoring of Managed Servers. Node Manager Listen Port: 5556 No Do not install now. See product documentation for post-install registration of Node Manager as a Service.	
Exit	Previous Next

The Shortcut Location screen is displayed.

2.12

2.13 Review the installation summary and click Next.

If the Run QuickStart box is selected, uncheck the box and click Done. The WebLogic installation is now complete.

3.0 Install Oracle Forms 11.1.1.2

3.1 Navigate to the Disk1 folder where Oracle Forms 11g 11.1.1.2 directory exists and start the installer. Run runInstaller.sh .

The Oracle Fusion Middleware 11g Portal, Reports and Discoverer installer launches. Click Next.

3.2 When asked to choose the installation type, select the Install Software - Do Not Configure option and click Next.

😑 Oracle Portal, Forms, Reports a	and Discoverer 11g - Step 2 of 16
Select Installation	
Welcome Install Only Prerequisite Checks Specify Installation Location Specify Security Updates	Install and Configure Installs binaries in an ORACLE HOME and configures working instance in an INSTANCE HOME.
Installation Summary Installation Progress Installation Complete	Install Software - Do Not Configure Before these installed components will work, they must be configured by running the configuration wizard.
Help	Installs software only. After installation is complete, use config bat from bin directory in ORACLE HOME to configure working instances of these installed components.
	Elapsed Time: 3m 30s

The Prerequisite Checks screen opens.

3.3 Once the prerequisite checks are completed, click Next.

The Specify Installation Location screen opens.

3.4 Specify the Oracle Middleware Home directory as C:\Oracle\Middleware and Oracle Home Directory as "as_1," then click Next

Note: Oracle Middleware Home directory will henceforth be referred to as %ORACLE_HOME%. .

Specify Installation	Location	
Welcome Install Only Prerequisite Checks Specify Installation Locatic Specify Security Updates Installation Summary Installation Progress Installation Complete	Oracle <u>M</u> iddleware Home: <u>Q</u> racle Home Directory:	C:\OracleMiddleware as_1
Help	🛕 The WebLogic Server n	must already be installed in the same Middleware Home

The Specify Security Updates screen opens.

- 3.5 Enter your e-mail address and select "I wish to receive Security updates via MyOracle Support."
- 3.6 Enter your Oracle Support Password and click Next.

The Installation summary screen opens.

3.7 Review the summary and click Install.

The Installation Progress screen displays a progress bar.

3.8 Once the installation has progressed 100%, click Next.

The installer requests that a script is run as the root user.

3.9 Run the scripts.

The Installation Complete screen opens.

3.10 Click Finish.

Oracle 11g Forms, Reports and Discoverer Product Suite is installed successfully.

4.0 Install Oracle Forms 11.1.1.4

4.1 Navigate to the Disk1 folder where Oracle Forms 11g 11.1.1.2 directory exists and start the installer. Run runInstaller.sh .

The Oracle Fusion Middleware 11g Portal, Forms, Reports and Discoverer Patchset installer launches.

4.2 Click Next.

The Specify Installation Location screen opens.

4.3 Verify that the Oracle Middleware Home and Oracle Home directories are correctly reflected as per the installation of Oracle Portal, Forms, Reports and Discoverer 11.1.1.4.

Oracle Portal, Forms, Reports	and Discoverer 11g Patchs	et Installation - Step 2 of 6	_ 🗆 ×
Specify Installation	Location		11 ^g
Welcome			
Specify Installation Locatic			
Security Updates			
Installation Summary			
Installation Progress			
Installation Complete	Oracle <u>M</u> iddleware Home:	C:\Oracle\Middleware	rowse
	Oracle Home Directory:	as_1	
	A Portal, Forms, Reports	, and Discoverer must already be installed.	
		< <u>Back</u> <u>N</u> ext > Einish	Cancel
		Elapsed	Time: 0m 40s

4.4 Click Next.

The Specify Security Updates screen opens.

- 4.5 Enter your e-mail address and select "I wish to receive Security updates via MyOracle Support."
- 4.6 Enter your Oracle Support Password and click Next.

The Installation summary screen opens.

4.7 Review the summary and click Install.

The Installation Progress screen displays a progress bar.

4.8 Once the installation has progressed 100%, click Next.

The installer requests that a script is run as the root user.

4.9 Run the scripts.

The Installation Complete screen opens.

4.10 Click Finish.

5.0 Configuring Oracle Forms 11g 11.1.1.4

- 5.1 Stop Windows service: Oracle WebLogic NodeManager (C_Oracle_Middleware_wlserver_10.3).
- 5.2 Start the Oracle Portal, Forms, Reports and Discover 11.1.1.4 Configuration Wizard by running "config.sh" from%ORACLE_HOME%\bin

The configuration wizard launches with the Welcome screen.

5.3 Click Next.

5.4 Enter the user name and confirm a Password. Also enter a valid Domain Name.

Leave other options as shown.

Select Domain		FUSION MIDDLEWARE
Welcome Create Domain	Oreate Domain	
Specify Security Updates Specify Installation Location Configure Components Configure Ports Specify Proxy Details Specify Schema Specify Portlet Schema Specify Application OID	User Name: User Password: Confirm Password: Domain Name:	weblogic ClassicDomain
Installation Summary Configuration Progress Installation Complete		< Back Next > Einish Cance

5.5 Click Next.

The Specify Security Updates screen opens.

- 5.6 Enter your e-mail address and select "I wish to receive Security updates via MyOracle Support." (optional)
- 5.7 Enter your Oracle Support Password and click Next.

The Specify Installation Location screen opens.

5.8 Enter the appropriate WebLogic Server Location and Oracle Instance Location and Name then click Next.

Oracle Portal, Forms, Reports	and Discoverer 11g - Step 4	i of 13 📃 🗶
Specify Installation	Location	ORACLE' FUSION MIDDLEWARE 118
Welcome		
Create Domain		
Specify Security Updates	Oracle <u>M</u> iddleware Home Location:	C:\Oracle\Middleware
Specify Installation Locatic Configure Components	Oracle Home Directory:	as_1
Configure Ports	Weblogic Server Location:	C:\Oracle\Middleware\wlserver_10.3
Specify Proxy Details Specify Schema	Oracle Instance Location:	C:\Oracle\Middleware\asinst_1 Browse
Specify Portlet Schema	Or <u>a</u> cle Instance Name:	asinst_1
Specify Application OID Installation Summary		
Configuration Progress	-	/ only contain alphanumeric and underscore (_) an alphabetic (a-z or A-Z) character, and must be from 4
Installation Complete	to 30 characters in length.	an alphabetic (a-2 of A-2) character, and must be norma
Help		< <u>Back</u> <u>N</u> ext > <u>Finish</u> Cancel
		Elapsed Time: 1m 25s

The Configure Components screen opens.

5.9 Ensure that all components are checked as seen below:

Oracle Portal, Forms, Reports and Discoverer 11g - Step 5 of 13			
Configure Compor	nents ORACLE FUSION MIDDLEWARE 118		
Welcome	Oracle Portal, Forms, Reports and Discoverer Suite		
Create Domain	Server Components		
Specify Security Updates	···· Oracle Portal		
Specify Installation Location	Oracle Forms		
Q Configure Components	Oracle Reports		
<u>Configure Ports</u>			
Specify Proxy Details	Developer Tools Oracle Forms Builder		
Specify Application OID	····· ✓ Oracle Reports Builder		
Installation Summary	E Management Components		
Configuration Progress	Enterprise Manager		
 Installation Complete 	♥ Clustered		
Help	< <u>Back</u> <u>N</u> ext> <u>Finish</u> Cancel		
	Elapsed Time: 0m 51s		

The Configure Ports screen opens.

5.10 Choose Auto Port Configuration.

This allows the wizard to choose the ports (recommended). You can also manually configure ports by choosing the option for Specify Ports Using Configuration File.

🗢 Oracle Portal, Forms, Reports and Discoverer 11g - Step 6 of 11 📃 📃 🗙			
Configure Ports	FUSION MIDDLEWARE 118		
	Auto Port Configuration Specify Ports using Configuration file Elle name: C:\Users\Administrator\staticports.ini Browse View/Edit File		
	< <u>Back</u> <u>Next></u> <u>Einish</u> Cancel Elapsed Time: 1m 36s		

The Specify Proxy Details screen opens.

5.11 Choose "Do Not Use Proxy Settings" and click Next.

Oracle Portal, Forms, Reports	and Discoverer 11g - Step 7 of 11	
Specify Proxy Det	ails	EUSION MIDDLEWARE 118
Welcome		
Create Domain	<u>Do Not Use Proxy Settings</u>	
Specify Security Updates		
Specify Installation Location	<u>Enable Proxy</u>	
Configure Components	HTTP Proxy Ho <u>s</u> t:	148.87.19.20
Configure Ports	HTTP Proxy Port:	80
Specify Proxy Details		
Specify Application OID	Byp <u>a</u> ss proxy for address:	
Installation Summary		
Configuration Progress		
Installation Complete		
		your HTTP proxy if you do use one. The server web service that is not covered by the rules in
Help		< Back Next > Finish Cancel
		Elapsed Time: 2m (

The Specify Application OID screen opens.

5.12 De-Select "Use Application Level Identity Store" and click Next.

🗢 Oracle Portal, Forms, Reports and Discoverer 11g - Step 8 of 11 🛛 📃 🛛 🗶		
Specify Application		
Welcome		
Create Domain	Use Application Level Identity Store	
Specify Security Updates	Specify Oracle Internet Directory Information	
Specify Installation Location		
Configure Components	Hos <u>i</u> name:	
Configure Ports	Port:	
Specify Proxy Details	User Name: cn=orcladmin	
Specify Application OID	P <u>a</u> ssword:	
Installation Summary	Configure the LDAP Server in secure mode	
Configuration Progress		
Installation Complete		
Help	< <u>B</u> ack <u>N</u> ext > <u>F</u> inish Cancel	
	Elapsed Time: 2m 41s	

The Installation Summary screen opens.

5.13 Review the Installation summary then click Configure.

The configuration progress screen opens.

5.14 Make sure that all configurations show success then Click Next.

The Installation Complete screen opens.

5.15 Click Finish.

Oracle 11g Forms, Reports and Discoverer has been configured successfully.

6.0 Install Oracle Utilities Work and Asset Management 1.9.0.3

Before installing, note the values for the following:

Oracle Domain
Oracle Home
Oracle Instance
WAM Port
WAM Directory
WAM Instance
Database Instance
Oracle Report Server Name
Mail Server

WAMSIAInstall.sh and respond to the prompts. The install program creates the WAM 1.9.0.3 directory and configures the key components needed for Oracle Utilities Work and Asset Management to run.

7.0 Oracle Utilities JDBC Configuration

7.1 Login to the WebLogic Server Administration console. Select Data Sources and click Lock & Edit.

🖉 Summary of JDBC Data Sources - ClassicDo	omain - WLS Console - Windows Internet Explorer		
C			
👷 Favorites 🛛 🙀 🙆 Suggested Sites 👻 🙋 Web Slice Galery 🔹			
🕖 Summary of JDBC Data Sources - ClassicDomain -	- WL		
ORACLE WebLogic Server® A	Administration Console		
Change Center	🟦 Home Log Out Preferences 🔤 Record Help		
View changes and restarts	Home >Summary of Servers >Summary of JDBC Data Sources		
Click the Lock & Edit button to modify, add or delete items in this domain.	Summary of JDBC Data Sources		
Lock & Edit	Configuration Monitoring		
Release Configuration	A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDB	C conne	
Domain Structure	This page summarizes the JDBC data source objects that have been created in this domain.		
ClassicDomain E-Environment Deployments Services Messaging	▶ Customize this table Data Sources (Filtered - More Columns Exist)		
Data Sources	Click the Lock & Edit button in the Change Center to activate all the buttons on this page.		
Persistent Stores Foreign JNDI Providers	New v Delete		
Work Contexts	☐ Name ↔ Type		
jCOM			
Mail Sessions	New v Delete		
How do I			

7.2 On the Configuration tab, click New and select Generic Data Source.

🧭 Summary of JDBC Data Sources - ClassicDomain - WLS Console - Windows Internet Explorer		
🚱 🕙 🗢 🔊 http://wamaux14.us.oracle.com:7001/console/console.portal?_nfpb=true&_pageLabel=http://wamaux14.us.oracle.com:7001/console/console.pi		
🖕 Favorites 🛛 🍰 🙋 Suggested Sites 👻 🙋 Web Slice Gallery 👻		
🖉 Summary of JDBC Data Sources - ClassicDomain	n - WL	
	ORACLE WebLogic Server® Administration Console	
Change Center	🟦 Home Log Out Preferences 🔤 Record Help	
View changes and restarts	Home >Summary of Servers >Summary of JDBC Data Sources	
No pending changes exist. Click the Release Configuration button to allow others to edit the	Summary of JDBC Data Sources	
domain.	Configuration Monitoring	
Lock & Edit		
Release Configuration	A JDBC data source is an object bound to the JNDI tree that provides database connectivity throug	gh a po
	This page summarizes the JDBC data source objects that have been created in this domain.	
Domain Structure		
ClassicDomain	Customize this table	
Deployments	Data Sources (Filtered - More Columns Exist)	
E-Services	New V Delete	
Data Sources		
Persistent Stores	Generic Data Source	
Work Contexts	GridLink Data Source	
ML Registries	Multi Data Source	
-jCOM		
Mail Sessions		
How do I 🗆	1	

7.3 On the Create a new JDBC Data Source page, enter "synergen" as the name of the JDBC source and "jdbc/synergen" as the JNDI name. Click Next.

🏀 Create a New JDBC Data Source - ClassicDoma	ain - WL	
	Administration Console	
Change Center	🏦 Home Log Out Preferences 🔤 Rec	ord Help
View changes and restarts	Home »Summary of Servers »Summary of	JDBC Data Sources
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a New JDBC Data Source Back Next Finish Cancel	
Lock & Edit	JDBC Data Source Properties	
Release Configuration	The following properties will be used to id	dentify your new IDBC data cource
Domain Structure	* Indicates required fields	aunity your new soble data source.
ClassicDomain	What would you like to name your new JD	/BC data source?
Services Proces	🦺 * Name:	synergen
Data Sources Persistent Stores	What JNDI name would you like to assign	to your new JDBC Data Source?
Foreign JNDI Providers Work Contexts	近 JNDI Name:	
XML Registries XML Entity Caches 	jdbc/synergen	
How do I		
Create JDBC generic data sources	What database type would you like to selv	ect?
Create LLR-enabled JDBC data sources	Database Type:	Oracle
System Status 🖂	Back Next Finish Cancel	
Health of Running Servers		
Failed (0) Critical (0)	·	

7.4 When asked to choose the database driver, select "Oracle Driver (Thin XA) for Instance connections: Versions:9.0.1 and later" click Next.

	omain - WLS Console - Windows Internet Explorer
🕞 🕞 🗢 🙋 http://wamaux14.us.oracle.com	:7001/console/console.portal?CreateGlobalJDBCDataSourcePortlet_actionOverride=/com/bea/console/actions/jdbc/datasources/createjdbcdatasource/selectDatabase
😭 Favorites 🛛 🍰 🙋 Suggested Sites 🔻 🖉 V	Veb Silce Gallery
Greate a New JDBC Data Source - ClassicDomai	n-WL
ORACLE WebLogic Server®	Administration Console
Change Center	🕜 Home Log Out Preferences 🔤 Record Help
View changes and restarts	Home >Summary of Servers >Summary of JDBC Data Sources
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a New JDBC Data Source Back Next. Finism Cancel
Release Configuration	JDBC Data Source Properties The following properties will be used to identify your new IDBC data source.
Domain Structure ClassicDomain	Database Type: Oracle
Deployments	What database driver would you like to use to create database connections? Note: * indicates that the driver is explicitly supported by Oracle WebLogic Server.
Hessaging Data Sources Paristent Stores Foreign JNDI Providers Work Contexts Work Rothins	Database Driver: *Oracle's Driver (Thin XA) for Instance connections; Versions:9.0.1 and later Back Frish
XML Entity Caches 	

7.5 On the Transaction Options page click Next.

🧭 Create a New JDBC Data Source - ClassicDomain - WLS Console - Windows Internet Explorer		
S v ktp://wamaux14.us.oracle.com:7001/console/console.portal?CreateGlobalJDBCDataSourcePortlet_actionOverride=/com/bea/console/actions/jdbc/datasources		
🙀 Favorites 🙀 🙆 Suggested Sites 🔹 🙋 Web Slice Gallery 🔹		
🏀 Create a New JDBC Data Source - ClassicDomain	n - WL	
ORACLE WebLogic Server® Administration Console		
Change Center	🔒 Home Log Out Preferences 🖾 Record Help	
View changes and restarts	Home >Summary of Servers >Summary of JDBC Data Sources	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration Domain Structure ClassicOomain Deferminent Deployments Desrrices	Create a New JDBC Data Source Back Next Frieff Cancel Transaction Options	

7.6 On the Connection Properties page, enter in the information that is relevant to your environment and click Next. Note that the Database Username that you enter here must have superuser role..

View changes and restarts	Home >Summary of Servers >Summary of JDBC Data Sources	
No pending changes exist. Click the Release Configuration button to allow others to edit t	Create a New JDBC Data Source	
domain.	Back Next Finish Cancel	
	Connection Properties	
Release Configuration	Define Connection Properties.	
Domain Structure	What is the name of the database you would like to connect to?	
ClassicDomain	Database Name:	QA1903X
Services DerMessaging	What is the name or IP address of the database server?	
Data Sources Persistent Stores Foreign JNDI Providers	Host Name:	10.147.124.34
Work Contexts	What is the port on the database server used to connect to the database?	
	Port:	1521
Mail Sessions File T3	What database account user name do you want to use to create database connections?	
How do I	Database User Name:	xadmin_synergen
Create JDBC generic data sources Create LLR-enabled JDBC data sources	What is the database account password to use to create database connections?	
	Password:	•••••
System Status		
Health of Running Servers	Confirm Password:	•••••
Failed (0) Critical (0) Critical (0)	Back Next Finish Cancel	
A CONTRACT OF A CONTRACT.		

7.7 On the Test Database page, click Test Configuration to check database connectivity. If the test is successful, click Next else re-enter the correct values.

🜈 Create a New JDBC Data Source - ClassicDo	omain - WLS Console - Windows Internet Explorer	
Co o v le http://wamaux14.us.oracle.com:	7001/console/console.portal?CreateGlobalJDBCDataSourcePortlet_actionOverride=/	com/bea/console/actions/jdbc/datasourc
Generative Antices - Pavorites	ah Slice Callery 💌	
Create a New JDBC Data Source - ClassicDomain		
	Administration Console	
Change Center		k
View changes and restarts	Home »Summary of Servers »Summary of JDBC Data Sources Messages	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	✓ Connection test succeeded.	
Lock & Edit	Create a lew JDBC Data Source	
Release Configuration	Test Configuration Back Next Finish Cancel	
Domain Structure	Test Database Connection	
ClassicDomain	Test the database availability and the connection properties you provided.	
Deployments	What is the full package name of JDBC driver class used to create database con	nections in the connection pool?
Services Messaging	(Note that this driver class must be in the classpath of any server to which it is o	leployed.)
Data Sources Persistent Stores Foreign JNDI Providers	Driver Class Name:	oracle.jdbc.xa.client.Oracl
Work Contexts XML Registries XML Entity Caches	What is the URL of the database to connect to? The format of the URL varies \boldsymbol{b}_{1}	/ JDBC driver.
	URL:	jdbc:oracle:thin:@10.147.1
File T3	What database account user name do you want to use to create database conn	ections?
How do I 🗆	Database User Name:	xadmin_synergen
Create JDBC generic data sources		

7.8 On the Select Target page, check the boxes as shown and click Finish.

🌈 Create a New JDBC Data Source - ClassicD	omain - WLS Console - Windows Internet Explorer
🚱 🕞 🗢 🙋 http://wamaux14.us.oracle.com	n:7001/console/console.portal?CreateGlobalJDBCDataSourcePortlet_actionOverride=/com/bea/console/actions/
🖕 Favorites 🛛 👍 💋 Suggested Sites 🔹 💋 V	Web Slice Gallery 👻
Create a New JDBC Data Source - ClassicDomai	
ORACLE WebLogic Server®	
Change Center	
View changes and restarts	Home >Summary of Servers >Summary of JDBC Data Sources
No pending changes exist. Click the Release	Create a New JDBC Data Source
Configuration button to allow others to edit the domain.	Parts Nuck (Fride) Connel
Linck & Edit	Back Next Finish Cancel
	Select Targets
Release Configuration	You can select one or more targets to deploy your new JDBC data source. If you don't select a target, th
Domain Structure	
ClassicDomain	Servers
De-Environment	AdminServer
Deployments	
Services Bernessaging	flusters
Data Sources	
Persistent Stores	☑ cluster_forms
Foreign JNDI Providers	C All servers in the cluster
Work Contexts	
XML Entity Caches	
jCOM	cluster reports
Mail Sessions	C All servers in the cluster
	C Part of the cluster
How do I 🖃	WLS_REPORTS
· . I	

7.9 Repeat steps from 7.3 to 7.8 to create another Data Source entry using the following values in their respective fields:

JDBC data source name = alterrolesynergen

JNDI Name: jdbc/alterrolesynergen

Database User Name: password_reset_user

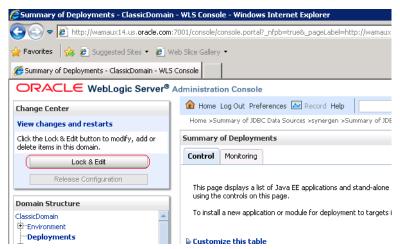
7.10 After both data sources are created, click Activate Changes in order for the changes to take effect.

Summary of JDBC Data Sources - ClassicDomain - WLS Console - Windows Internet Explorer				
\ominus 💽 🗢 🖉 👔 http://wamsuk.14.us.orade.com;7001/console/console.portal?_nfpb=true&_pageLabel=GlobalDBCDataSourceTablePage				
🏠 Favorites 🛛 🚔 🙋 Suggested Sites 🔹 🙋 We	eb Slice Gallery 🝷			
🏀 Summary of JDBC Data Sources - ClassicDomain -	- WL			
	Administration Console			
Change Center	🏦 Home Log Out Preferences 🔤 Record Help	Q		
View changes and restarts	Home >Summary of Servers >Summary of JDBC Data So	urces >synergen >Summary of JDBC Data S	Sources >QA1903X >Roles >QA	1903X >Summary of JDBC Data Sources >
Pending changes exist. They must be activated to take effect.	Summary of JDBC Data Sources			
Activate Changes	Configuration Monitoring			
Undo All Changes	A JDBC data source is an object bound to the JNDI tr	ee that provides database connectivity th	through a pool of JDBC connec	tions. Applications can look up a data s
Domain Structure	This page summarizes the JDBC data source objects	hat have been created in this domain.		
ClassicDomain				
Services Bernessaging	Data Sources (Filtered - More Columns Exist)			
Data Sources	New v Delete			
Persident Stores Thereign JNDI Providers Work Contexts	□ Name 🌣	Туре		JNDI Name
XML Registries	alterrolesynergen	Generic		jdbc/alterrolesynergen
XML Entity Caches 	🗖 synergen	Generic		jdbc/synergen
Mail Sessions	New v Delete			
How do I 😑				

7.11 Make an entry in the tnsnames.ora file located in the Oracle_Instance\config folder for the database connection used in the application.

8.0 Deploy Oracle Utilities Work and Asset Management 1.9.0.3

8.1 Login to the WebLogic Server Administration console. Select Deployments and click Lock & Edit.



8.2 On the Summary of Deployments page, click Install.

🖉 Summary of Deployments - ClassicDomain	- WLS Console - Windows Internet Explorer	
📀 📀 🗢 🙋 http://wamaux14.us.oracle.com:	7001/console/console.portal?_nfpb=true&_pageLabel=http://wamaux14.us.oracle.com:	
🖕 Favorites 🛛 🙀 🗿 Suggested Sites 🔹 🗿 Web Slice Gallery 👻		
Summary of Deployments - ClassicDomain - WLS	Console	
	Administration Console	
Change Center	🏠 Home Log Out Preferences 🖂 Record Help	
View changes and restarts	Home >Summary of JDBC Data Sources >synergen >Summary of JDBC Data Sources >Q	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Summary of Deployments Control Monitoring	
Lock & Edit Release Configuration Domain Structure	This page displays a list of Java EE applications and stand-alone application module using the controls on this page. To install a new application or module for deployment to targets in this domain, clici	
ClassicDomain Structure	₽ Customize this table	
Hessaging Tota Sources Persistent Stores	Deployments	

8.3 On the Locate deployment page, enter the path to the sia folder in the Path field and click Next.

🏉 Install Application Assistant - ClassicDomain - WLS	5 Co	
	Administration Console	
Change Center	💼 Home Log Out Preferences 🔤 Record Hel	P
View changes and restarts	Home >Summary of JDBC Data Sources >synergen	>Summary of JDBC Data Sources >QA1903X >Roles >QA1903X >Summ
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Install Application Assistant Back Next Finish Cancel Locate deployment to install and prepare Select the file path that represents the applicable	: for deployment on root directory, archive file, exploded archive directory, or applica
Domain Structure	Note: Only valid file paths are displayed below.	If you cannot find your deployment files, upload your file(s) and/or
ClassicDomain	Path: Recently Used Paths: Current Location: forms forms sia (open directory) Back Next Finish Cancel	C:\synergen\QA1903X\sia (none) wamaux14.us.orade.com \ C: \ synergen \ QA1903X

8.4 When asked to choose the targeting style, select "Install this deployment as an application" and click Next.

🏀 Install Application Assistant - ClassicDomain - W	LS Co	
ORACLE WebLogic Server®	Administration Console	
Change Center	🕜 Home Log Out Preferences 🔤 Record Help	
View changes and restarts	Home >Summary of JDBC Data Sources >synergen >Summary of JDBC Data Sources >QA1903X >Roles >QA1903X >Summary of JDBC Dat	
No pending changes exist. Click the Release Configuration button to allow others to edit the	Install Application Assistant	
domain.	Back Next Finish Cancel	
Lock & Edit		
Release Configuration	Choose targeting style Targets are the servers, clusters, and virtual hosts on which this deployment will run. There are several ways you can target an ap	
Domain Structure	⊙ Install this deployment as an application	
ClassicDomain ClassicDomain ClassicDomain Composition Composition	The application and its components will be targeted to the same locations. This is the most common usage. C Install this deployment as a library Application libraries are deployments that are available for other deployments to share. Libraries should be available on all of the tar Back Next Concel	

8.5 When asked to select deployment targets, check the boxes as shown and click Next.

	Administration Console
Change Center	🟦 Home Log Out Preferences 🔤 Record Help
View changes and restarts	Home >Summary of JDBC Data Sources >synergen >Summary of JDBC Data Sources >QA1903X >Roles >QA1903X >Summary of JDBC Data
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Install Application Assistant Back Next Finish Cancel Select deployment targets Select the servers and/or clusters to which you want to deploy this application. (You can reconfigure deployment targets later). Available targets for sia :
ClassicDomain	Servers
-Services -Messaging -Data Sources Peristent Stores	AdminServer
Foreign JNDI Providers Work Contexts	Clusters
XML RegistriesXML Entity Caches	Custer_forms C All servers in the cluster ⓒ Part of the cluster ☑ wLS_FORMS
How do I 🗆	□ cluster_reports ○ All servers in the cluster
 Start and stop a deployed Enterprise application 	○ Part of the cluster □ WLS REPORTS
Configure an Enterprise application	_
Create a deployment plan Target an Enterprise application to a server	Back Next Finish Cancel

- 8.6 On the following page, enter the name of the deployment. Make sure it matches the WAM Instance name entered in the worksheet from Oracle Utilities Work and Asset Management 1.9.0.3 Installation section.
- 8.7 Select "DD only" as the security model. Select "I will make the deployment accessible from the following location" and click Next.

Domain Structure	- General
lassicDomain	What do you want to name this deployment?
Environment	
Deployments	Name: QA1903X
Services	
E Messaging	- Security -
Data Sources	
Persistent Stores	What security model do you want to use with this application?
Foreign JNDI Providers	
Work Contexts	⊙ DD Only: Use only roles and policies that are defined in the deployment descriptors.
XML Registries	-
XML Entity Caches	C Custom Roles: Use roles that are defined in the Administration Console; use policies that are defined in the deployment descriptor.
jCOM	
Mail Sessions	C Custom Roles and Policies: Use only roles and policies that are defined in the Administration Console.
Fie T3	
tow do I	$\ensuremath{\mathbb{C}}$ Advanced: Use a custom model that you have configured on the realm's configuration page.
 Start and stop a deployed Enterprise 	- Source accessibility
 start and stop a deployed Enterprise application 	
	How should the source files be made accessible?
Configure an Enterprise application	
Create a deployment plan	O Use the defaults defined by the deployment's targets
Target an Enterprise application to a server	Recommended selection.
Test the modules in an Enterprise application	Recommended selection.
	C Copy this application onto every target for me
	Copy this application once every target for the
System Status 🗉	During deployment, the files will be copied automatically to the managed servers to which the application is targeted.
Health of Running Servers	During deproyment, dhe mes win be copied addiminationly to the managed servers to which the application is targeted.
	I will make the deployment accessible from the following location
Failed (0)	
Critical (0)	Location: Coloursers OA1002Visio
Overloaded (0)	Location: C:\synergen\QA1903X\sia

8.8 On the Additional Configuration page, select "Yes, take me to the deployment's configuration screen" and click Finish.

ange Center	A Home Log Out Preference	es 🔤 Record Help	
ew changes and restarts	Home »Summary of JDBC Data	Sources segmengen a Summary of XDBC Data Sources a QA1903X aRoles a QA1903X a Summary of XDBC Data Sources a alterrolesymerg	pn »Summary of XXBC
o pending changes exist. Click the Release onligueation button to allow others to edit the main. Lock & Edit Release Configuration	Install Application Assistant Back Finish C Review your choices and Click Pinish to complete the d	anos	
omain Structure	 Additional configuration 	i	
eskibonen		this application may reque additional configuration. Do you want to review this application's configuration after completing the phyment ⁴ is configuration screen. Infiguration later.	s assistant?
Foreign 3NDE Providers Work Contexts	Deployment:	C/jsynergen(QA19007/jsa	
1179 Registries	Name:	Q41903X	
- JCOM - Mail Sessions - File T3	Staging mode:	I will make the deployment accessible at $C_{\rm c}[synergen]QA19033(sia$	
w do L	Security Model:	DDOnly: Use only roles and policies that are defined in the deployment descriptors.	
ow do L	Target Summary		
Start and stop a deployed Enterprise application	Components 👄		Targets
Configure an Enterprise application			

8.9 From the main page of the Administration console, click the Configuration tab.

ORACLE WebLogic Server® Administration Console

Change Center	🕜 Hame Log Out Preferences 🔤 Record Help				
View changes and restarts	Home >synergen >Summary of JDBC Data Sources >QA1903X >Roles >QA1903X >Summary of JDBC Data Sources >alterrolesyner				
Pending changes exist. They must be activated to take effect.	Settings for QA1903X				
Activate Changes Undo All Changes	Overview Deployment Plan (Configuration) Security Targets Control Testing Monitoring Notes Save Save				

8.10 On the General sub tab, enter "1800" against Session Timeout (in seconds). Enter "/ <WAM Instance>/synergen" as the Context Root and click Save.

XML Registries	Session Timeout (in seconds):	1800
"Mail Sessions	Debug Enabled	
Now do I 😑	Maximum in-memory Sessions:	-1
Specify default Web applications Deploy Web applications	Monitoring Attribute Name:	
Test the deployment Wew deployed Web applications Stop deployed Web applications	Index Directory Enabled	
Delete Web applications Monitor Web applications and serviets	Index Directory Sort By:	NAME
Update run-time descriptors	Servlet Reload Check (in seconds):	-1
System Status 🔤 Health of Running Servers	Resource Reload Check (in seconds):	-1
Failed (0) Critical (0)	Session Monitoring Enabled	
Overloaded (0) Warning (0)	Minimum Notive File Size:	4096
OK (1)	3SP Page Check (in seconds):	4
	JSP Keep Generated	
	₩ JSP Verbose	
	Context Root:	/QA1903Wsynergen

8.11 On t	he Save Depl	loyment page,	click OK.
-----------	--------------	---------------	-----------

Pending changes exist. They must be activated to take effect.	Save Deployment Plan Assistant	
Activate Changes	OK Cancel	
Undo All Changes	Save Deployment Plan	
Domain Structure	You have made configuration change	s that need to be stored in a new deployment plan.
ClassicDomain	Select or enter the path of a deployn	nent plan file. The path must end with '.xml'. It is highly recommended that this file be
Environment Deployments Services	Each plan should be located in its own	n directory, otherwise applications can inadvertently share deployment plan files. Th
Messaging	Path:	C:\synergen\QA1903X\sia\Plan.xml
Data Sources	Recently Used Paths:	C:\synergen\QA1903X
-Foreign JNDI Providers	Current Location:	wamaux14.us.oracle.com (C:) synergen (OA1903X) sia
Work Contexts	Charts	
-XML Registries	A	
XML Entity Caches	debug	
Mail Sessions	documents	
-File T3	ERDViewer	
How do I	ESRI2Viewer	
How do I 😑	jars 💭	
Create a deployment plan	logs 💭	
Update a deployment plan	styles	
 Specify a deployment plan 	tempdocs	
Configure an Enterprise application	viewer	
Start and stop a deployed Enterprise	WEB-INF	
application	webhelp	
Target an Enterprise application to a server		
	webuti 🔤	

8.12 In the Change Center, click Activate Changes.

Activate Changes	OK Cancel	
Undo All Changes	Save Deployment Plan	
Domain Structure	You have made configuration ch	anges that need to be stored in a new deployment plan.
ClassicDomain	Select or enter the path of a dep	oloyment plan file. The path must end with '.xml'. It is highly recommended that this file be
Environment Deployments Services	Each plan should be located in its	s own directory, otherwise applications can inadvertently share deployment plan files. Th
Messaging	Path:	C:\synergen\QA1903X\sia\Plan.xml
Data Sources Persistent Stores	Recently Used Paths:	C:\synergen\QA1903X
-Foreign JNDI Providers	Current Location:	wamaux14.us.oracle.com \ C: \ synergen \ QA1903X \ sia
Work Contexts	Charts	
XML Registries XML Entity Caches	debug	
- iCOM	decuments	
-Mail Sessions	~	
File T3	ERDViewer	
How do I	ESRI2Viewer	
	i jars	
 Create a deployment plan 	iogs	
 Update a deployment plan 	styles	
 Specify a deployment plan 	tempdocs	
 Configure an Enterprise application 	viewer	
 Start and stop a deployed Enterprise application 	WEB-INF	
 Target an Enterprise application to a server 		
 Test the modules in an Enterprise application 	n 💿 🖹 Plan.xml	

8.13 Navigate to the Control tab and if WLS_Forms and WLS_Reports are running, shut them down and then start them again.

🖉 Settings for QA1903X - ClassicDomain - WL9	5 Console - Wir	dows Internet Ex	plorer						
COO - Attp://wamaux14.us.oracle.com:7	'001/console/con	sole.portal?_nfpb=t	rue&_pageLabel=	WebAppAp	plicationOv	erviewPage	&WebApp/	ApplicationOve	erviewPortleth
🔆 Favorites 🛛 🚖 🙋 Suggested Sites 👻 🙋 We	b Slice Gallery 🗸								
Settings for QA1903X - ClassicDomain - WLS Cons	ole								
	dministration	Console							
Change Center	🔒 Home Lo	g Out Preferences	🔁 Record Help			Q			
View changes and restarts		gen >Summary of JD	BC Data Sources :	•QA1903X >F	oles >QA19	103X >Summ	ary of JDBC	Data Sources	>alterrolesyne
Pending changes exist. They must be activated to take effect.	Messages A new deployment plan has been successfully created in C:\synergen\QA1903X\sia\Plan.xml.								
Activate Changes	🚫 Your de	ployment configurati	ion has been upd	ated to inclu	de the new	plan.			
Undo All Changes	Settings for QA1903X								
Domain Structure	Overview	Deployment Plan	Configuration	Security	Targets	Control	Testing	Monitoring	Notes
ClassicDomain ClassicDomain ClassicDomain ClassicDomain ClassicDomain ClassicDomain ClassicDomain ClassicDomain ClassicDomain	Save								
⊖-Services ⊕-Messaging	Use this page to view the installed configuration of a Web Application.								
Data Sources Persistent Stores Foreign JNDI Providers	Name:					(QA1903X		

8.14 Navigate to the Deployments page under the Control tab, find the WAM Instance and start it.

🖉 Summary of Servers - ClassicDomain - WL	S Console - Windows Internet Explorer			
🕒 🕒 🔹 🙋 http://wamaux14.us.orada.com	7001/console/console.portal?_nfpb=truets_paget.abel=W	LSServerControlTableFagethande=com.bea.console.handles.3409ian	de%28%22con.bea%3Mane%3DClassicDonain%2	CType%30Dom
🚖 Favorites 🛛 🙀 🙋 Supposted Sites 🔹 👩 V	Web Slice Gallery •			
🔏 Summary of Servers - ClassicDomain - WLS Con	sole			
ORACLE WebLogic Server®	Administration Console			
Change Center	🏦 Home Log Out Preferences 🔛 Record Help	<u>a</u>		
View changes and restarts	Home >QA1900X >Summary of XDBC Data Sources >ab	ensksynergen »Summary of XDEC Data Sources »Summary of Deploymen	its >QA1903X >Summary of Deployments >Summary of S	evers >Summar
Click the Lock & Edit button to modify, add or delete items in this domain.	Summary of Servers			
Lock & Edit	Configuration Control			
Release Configuration	Use this page to change the state of the servers in	this WebLogic Server domain. Control operations on Managed Servers	require starting the Node Manager. Starting Managed	Servers in Stan
Domain Structure	0			
Environment Servers Clusters Wrbuel Hosts	© Customize this table Servers (Filtered - More Columns Exist)			
Migratable Targets Coherence Servers	Start Resume Suspend - Shubdown -	Restart SSL		
Coherence Ousters Machines	E Server 🙃	Machine	State	Status
Work Managers Starbup and Studiown Classes	AdminServer(admin)	wamaux14	RUNNENG	None
Deployments	WLS_FORMS	wamaux14	SHUTDOWN	None
8 Services	WLS_REPORTS	wamaux34	SHUTDOWN	None

8.15 Launch the application from a client workstation and enter the URL of http:// <hostname:port>/<WAM Instance >/synergen. For example: http://wamaux14.us.oracle.com:9001/OA1903X/synergen

incept, / wainaanii waa	Sinterene Contraction of Charles Contraction
🖉 Oracle - Login - Windows Interr	net Explorer
🚱 🗢 🙋 http://wamaux14.us.c	oracle.com:9001/QA1903X/synergen/Logon?tgt=Main
Eile Edit View Favorites Tools	Help
🥖 Oracle - Login	
	s Work and Asset Management
63	User ID:
	Password:
	Login
	E-read Decement 2
	Forgot Password?

8.16 Login and proceed with testing and configuring the application.

9.0 Load Clean or New Database

After the download of the server components, a directory structure is created in the appropriate folder structure. The folder resembles the following:

<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools <u>H</u> elp				
😋 Back 🝷 🕤 🖌 🏂 🔎 Search 🍺 Folders 🛛 🕼 🌛 🗙 💐)	•		
Address 🗁 D:\synergen\QA19X\server				💌 🔁 Go
Folders	×	Name 🔺	Size	Туре
🕝 Desktop		1.9. tools		File Folder
🖭 급 My Documents		wamnew19.zip	7,711 KB	Compressed (zippe
E S My Computer		👔 wamsmp19.zip	10,921 KB	Compressed (zippe
🗉 🍓 31⁄2 Floppy (A:)				
🛨 🥯 Local Disk (C:)				

Navigate to the server folder. In that folder will be a wamnew1903.zip file and a wamsmp1903.zip. The wamsmp1903.zip file contains an Oracle Work and Asset Management 1.9.0.3 database export that contains sample data. The wamnew1903.zip file is essentially an empty database with no sample data. In addition, there is a tools directory that will be used in the steps below.

9.1 Import the Database

In order to import this database several steps need to be executed. An assumption is made that the customer has some familiarity with creating databases and running sql scripts:

- 9.1.1 Create a database prior to importing this sample export.
- 9.1.2 Create an INDX tablespace for the database prior to importing this sample export.
- 9.1.3 Run the createuser.sql script, found in the1.9.0.3 tools directory, as the system user from a sqlplus session.
- 9.1.4 Do a full import of the wamnew1903 or wamsmp1903 database, depending on your requirements. The file must be uncompressed first.
- 9.1.5 After the import is complete, run the servpk1903.sql script, found in the1.9.0.3 tools directory, as the synergen user from a sqlplus session.
- 9.1.6 In the event there are objects like the following: SDBP_MWM_INTEGRATION, PROCEDURE SDBP_CCB_SERVICE_REQ_INTERFACE, SDBP_JOB_ERROR_LOG that have not compiled, execute the jobview.sql script, found in the 1.9.0.3 tools directory, as the synergen system user from a sqlplus session.
- 9.1.7 In the event there are objects that have the key word PROJECT in them that have not compiled, do the following:
- Log into a sqlplusw session as the synergen user
- Run the servpk1903.sql script, found in the 1.9.0.3 tools directory
- At the sql prompt, connect as projuser/<password>@<db name>
- At the sql prompt, run the projuser_grantsyn.sql script, found in the 1.9.0.3 tools directory
- At the sql prompt, connect as synergen<password>@<db name>
- At the sql prompt, run the recompile.sql script, found in the 1.9.0.3 tools directory
- 9.1.8 Run the cres7syn.sql script, found in the1.9.0.3 tools directory, as the synergen user from a sqlplus session
- 9.1.9 Run the cres7grt.sql script, found in the 1.9.0.3 tools directory, as the synergen user from a sqlplus session.
- 9.1.10 Log into a sqlplus session as the sysdba user and execute the admin_dbms_job.pkg and admin_dbms_job.pkb located in the 1.9.0.3 tools\s60obj folder.

Post Installation Considerations

After you complete the installation, review the following:

• Provide a grant execute to the DBMS packages listed below. Log into the database as the sysdba owner and execute the commands indicated. (This must be done prior to executing manual scripts)

This adds an "execute" privilege on each package to application users (directly or through a common role). Note that only the 'SYS' user is capable of granting privileges to the package.

'superuser' is the role in the synergen schema. You can find this by executing the following sql statement in the synergen schema:

select key_value from sa_installation_parameters where key_name like 'SUPER%';

SYS.DBMS_LOCK

Command: grant execute on dbms_lock to superuser;

SYS.DBMS_CRYPTO

Command: grant execute on dbms_crypto to public;

SYS.DBMS_ASSERT

Command: grant execute on dbms_assert to public;

• If your user base requires the ability to use COPY RECORD functionality or needs to access reports from the actions list that are added in the Modules Administration - Forms module Module Reports view, you must also grant access to the all_cons_columns view using the following:

grant select on all_cons_columns to SUPERUSER;

11G Database

• If you upgraded to Oracle Database 11g, you must run the script 7426686.sql manually.

This is to ensure that e-mail and product integration features function properly. This script creates a default Access Control Lists (ACL) that will grant access from the database to external URLs called by the UTL_HTTP library. You must also grant "execute" permissions on UTL_HTTP to the SUPERUSER role.

- Stop the Oracle Application Server OC4J instance and the Chart Server prior to applying the upgrade. Doing so will render the application unavailable to users, so you must schedule the application of this service pack at a time when the application can be taken out of service.
- Configure formsweb.cfg- In the formsweb.cfg file make sure the "archive" setting points to the "frmwebutil.jar" instead of "webutil10123.jar".

Changing this setting ensures that the correct .jar file is referenced: frmwebutil.jar file located in the ...\forms\java folder.

Old Setting:

```
archive=frmall.jar,../synergen/jars/webutil10123.jar,../synergen/
jars/jacob.jar,../synergen/jars/jspell2n_javal1.jar,../synergen/
jars/syn.jar,../synergen/jars/synergenpjcs.jar
```

New Setting:

```
archive=frmall.jar,frmwebutil.jar,../synergen/jars/jacob.jar,../
synergen/jars/jspell2n_javall.jar,../synergen/jars/syn.jar,../
synergen/jars/synergenpjcs.jar
```

Database Parameters of note:

These database parameters should be considered and set, if applicable, according to your business needs following installation of the upgrade.

- SEC_CASE_SENSITIVITY_LOGON (Oracle Database 11g only)- This is set to TRUE as default you must set this value to FALSE to avoid logon errors related to case sensitive passwords.
- PASSWORD_LIFE_TIME by default, passwords expire after 180 days, however, expiration is managed within Oracle Utilities Work and Asset Management, so to avoid conflicts, this should be set to UNLIMITED.