



Evaluated Configuration for Oracle Identity and Access Management 10*g* (10.1.4.0.1): Oracle Internet Directory Installation

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CHAPTER

Introduction

 \mathbf{T} his installation guide contains a step by step guide to installing Oracle Internet Directory 10g (10.1.4.0.1).

1.1 Intended Audience

This document is designed to cover the needs of the people installing Oracle Internet Directory as part of the the evaluated configuration for Oracle Internet Directory 10g (10.1.4.0.1) or as part of the evaluated configuration for Oracle Identity and Access Management 10g (10.1.4.0.1).

1.2 Organization

This document is composed of the following chapters:

Chapter 1 contains the introduction to the document;

Chapter 2 contains a step by step guide to installing Oracle Internet Directory in the evaluated configuration for Oracle Internet Directory 10g (10.1.4.0.1) or the evaluated configuration for Oracle Identity and Access Management 10g (10.1.4.0.1).

With the exception of Issue 0.1, change bars indicate changes since the previous issue.

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CHAPTER

2

Installing OID

This chapter contains a step by step guide to installing Oracle Internet Directory in the evaluated configuration for Oracle Internet Directory 10g(10.1.4.0.1) or the evaluated configuration for Oracle Identity and Access Management 10g(10.1.4.0.1), running on the Red Hat Enterprise Linux AS Version 4 Update 5 operating system.

2.1 Prerequisites

The actions to be taken before installing Oracle Internet Directory in the relevant evaluated configuration are given in the documents:

- Evaluated Configuration for Oracle Internet Directory 10g (10.1.4.0.1) or
- Evaluated Configuration for Oracle Identity and Access Management 10g (10.1.4.0.1).

2.2 Installation Steps

Login to the server machine as the oracle user and navigate to the directory where the issue media has been installed (in the Evaluated Configuration used to derive the screenshots given in this document, this was

/space/src/oracle/OIM_ID_INFRA).

This directory should contain 2 archive files in cpio format. Extract the installation files as follows:

\$ cpio -idm < as_linux_x86_oim_oif_101401_disk1.cpio</pre>

```
$ cpio -idm < as linux x86 oim oif 101401 disk2.cpio</pre>
```

This will create 2 directories named Disk1 and Disk2. Navigate to the Disk1 directory and start the Oracle Universal Installer as follows:

\$./runInstaller

The information to be supplied by the administrator for each step is indicated on the pages below underneath the relevant screenshot. These screenshots illustrate the screens that were displayed in a particular installation of Oracle Internet Directory.

Oracle Universal Installer: Specify Inventory directory and credentials	
Specify Inventory directory and credentials	
You are starting your first installation on this host. As part of this install, you need to spe directory for installer files. This is called the "inventory directory". Within the inventory di installer automatically sets up subdirectories for each product to contain inventory data consume typically 150 Kilobytes per product.	cify a rectory, the and will
Enter the full path of the inventory directory.	
/space/oracle/orainventory	Browse)
You can specify an Operating System group that has write permission to the above inver You can leave the field blank if you want to perform the above operations as a Superuse Specify Operating System group name:	itory directory. er.
oinstall	
Help) Installed Products) Back Next) Install	Cancel
ORACLE	

Update the Path to the Inventory Directory and click Next.



Run the script described. When the script has completed click Continue.

💥 Oracle Universal Installer: Specify File Locations	
Specify File Locations	05
Source	
Enter the full path of the file representing the product(s) you want to install:	
Path: /space/src/oracle/OIM_ID_INFRA/Disk1/stage/products.xml	Browse)
Destination Enter or select a name for the installation and the full path where you want to install the pr Name: oracleas1	roduct.
Path: /space/oracle/product/10.1.4/IM_INFRA_USER	Browse)
About Oracle Universa	al Installer)
Help Installed Products Back Next Install	<u>C</u> ancel
ORACLE	

Update the Destination Name and Path for the installation and click Next.

😿 Oracle Universal Installer: Select a Product to Install	
	$M \cap g$
Select a Product to Install	
Oracle Identity Federation 10g Oracle Identity Federation is a standalone, standards-based for enterprises to form trusted relationships across disparate set	ederated identity management solution enabling curity domains quickly and securely.
Oracle Application Server Infrastructure 10g This option installs Identity Management services and Metadat Middle-Tier Servers. This selection includes an option to creat components are Oracle Database, Oracle Internet Directory, O Application Server Certificate Authority and others.	ta Repository for Oracle Application Server te a new Oracle Internet Directory. Included Pracle Application Server Single Sign-On, Oracle
	Product Languages)
Help Installed Products Back	Next (nstall) (Cancel)
ORACLE	

Select the Application Server Infrastructure installation option and click Next.

No.	0		C - I +	Internet Three Prese
1000				armn vne
10000	OT GROUP V	 		



Check the Identity Management and Metadata Repository option and click Next.

ጅ Oracle Universal Installer: Product-specific Prerequisite Checl	s			X
The installer will now verify that the system meets all the minimum configuring the chosen product. You are required to manually verify flagged as warnings or manual checks. For details on performing t see the details at the bottom.	requirement: 'y and confirm hose checks,	s for h the click	installing and items that are on the item and	
Check Inchecking operating system certification	Type		Status	
Checking security kernel parameters	Automatic		Succeeded	
Checking recommended operating system packages	Automatic		Warning	
Checking glibc installed on the system	Automatic		Succeeded	
Validating ORACLE_BASE location (if set)	Automatic		Succeeded 🛛 😾	
1 warnings, 0 requirements to be verified.			Retry Stop	
Checking for setarch-1.6-1; found setarch-1.6-1. Passed Checking for pdksh-5.2.14-30; found pdksh-5.2.14-30.3. Pa Checking for sysstat-5.0.5-1; found Not found. Failed <<<< Checking for gnome-libs-1:1.4.1.2.90-44.1; found gnome-libs- Checking for libstdc++-3.4.3-22.1; found libstdc++-3.4.6-8.	ssed 1: 1. 4. 1. 2. 90- Passed	-44.	.1. Passed	
Help Installed Products Back Next		istal	I) <u>C</u> ancel)

Check that the Prerequisites are met. If there is a warning concerning the SYSSTAT package it can be ignored and it is safe to proceed. Click Next.

🞇 Oracle Universal Installer: Confirm Pre-Installation	Requirements
	$\lambda = \alpha \alpha$
Confirm Pro Installation Dogu	(1113.
Comment Fre-Instantation Requ	irements
Verify that you have met all of the minimum pre-instal all of the checkboxes. For details on performing these	ation requirements listed below, and then select checks, click the Help button.
If your computer does not meet the minimum requiren or when you run Oracle Application Server Infrastructur	ients, you will get errors later in the installation re.
Requirement	Description
Root Privileges	You must have access to the root user on this
	D D
Help Installed Products Back	Next Install Cancel
ORACLE'	

Confirm you have Root privileges and click Next.

N		
	In the line of the state of the	<u></u>
📧 Uracie Universal	insialier: select com	gunation Unions

Select Configuration Options

Select the components that you would like to configure and automatically start at the end of the installation.

Oracle Application Server Metadata Repository is always configured.

If you want to use an existing Oracle Internet Directory, then do not select it below. The installer will then prompt you to enter the location of the existing Oracle Internet Directory.

	Available Components:	Description		
	Oracle Application Server Metadata Repository	Configures Oracle Application Server Metadata		
	Oracle HTTP Server	Serves static and dynamic Web content.		
	Oracle Application Server Containers for J2EE	Runs Enterprise Java applications.		
	Oracle Internet Directory	Configures an LDAP server for identity and se		
	Oracle Application Server Single Sign-On	Configures a directory-enabled single sign-or		
	Oracle Application Server Delegated Administr	Provides web-based identity and security ad Enables directory synchronization and user a		
	Oracle Directory Integration Platform			
	Oracle Application Server Certificate Authority (Creates and manages security certificates.		
H	elp Installed Products Back	Next Install Cance	1	D
0	RACLE			

Accept the default Configuration Options and click Next.

🕍 Oracle Universal Installer: Specify Port Configuration Options	X
Specify Port Configuration Options	TANK ALL
Select the method which you want to use to configure the ports for Oracle Application Server 10g. If you decide to manually configure the ports, then you must specify the port numbers for each port in a text file and enter the filename below. Configure Ports	
Automatic	
/space/oracle/product/10.1.4/IM_INFRA_USER/staticpor	
Help Installed Products Back Next Install Cancel	
ORACLE	

Choose Automatic for the Port Configuration and click Next.

📓 Oracle Universal Installer:	Specify Namespace in Internet Directory	
		$\wedge g$
Specify Namesp	ace in Internet Directory	
Specify a location, or namesp Management policies. This n	ace, in Oracle Internet Directory to contain users, groups, and amespace will be the default Identity Management Realm.	d Identity
⊂ Suggested Namespace:	dc=localdomain, dc=com	
Custom Namespace:	dc=oracle, dc=com	
	Example: dc=acme,dc=com	
Help) Installed Pr	oducts) (Back Next Install	(<u>C</u> ancel)
ORACLE		

Enter your Namespace.

Oracle Universal Installer	: Specify Databa	ase Configura	tion Option	s	
Specify Databas	se Configi	uration	Option	s	
Database Naming A Global Database Name, t database. In addition, eac Specify the Global Database	ypically of the fo h database is ref e Name and SID '	rm "name.don erenced by at for this databa	nain", uniqui least one O Ise.	ely identifies an (racle System Ide	Dracle ntifier (SID).
Global Database Name:	userOID.saglab	.uk.oracle.co	ŞID:	userOID	
Database Character Set The number of language gr "Help" for the definition of I Standard UTF-8 AL32UTF8	roups to be store anguage groups. "	d determine v For the Unico	/hich databa de database	ise character set e character set, s	to use. See elect "Unicode
Select Database Characte	r set: Unico	de standard L	ITF-8 AL32	JTF8	*
Database File Location Use the file system for data recommends installing data Specify Database File Loc	ubase storage. Fo abase files and O ation:	or best databa iracle software /space/orac	se organiza on separat :le/product,	tion and perform e disks. 10.1.4/oradat	nance, Oracle B <u>r</u> owse
Help Installed E	roducts)	Back	Next) Install	Cancel
ORACLE'					

Chose a suitable Global Database Name (this will automatically populate the SID) for the Database and specify the location for the database datafiles. Click Next.

	Oracle Universal Installer: Specify Database Schema Passwords					
pecify Datab	ase Schema Passwo	ords				
he Starter Database co nd be locked at the en asswords for those acc istall functions are left asswords for these acc	ontains pre-loaded schemas, most d of installation. After the installati counts you wish to use. Schemas us unlocked, and passwords for these counts.	of which have passwords that will on is complete, you must unlock ar ed for the database management e accounts will not expire. Specify t	expire nd set new and post- the			
 - Use unterent passw 	vorus for these accounts		1,242.3			
llser Name	Enter Password	Confirm Password				
User Name SYS	Enter Password	Confirm Password				
User Name SYS SYSTEM	Enter Password	Confirm Password				
User Name SYS SYSTEM SYSMAN	Enter Password	Confirm Password				
User Name SYS SYSTEM SYSMAN DBSNMP	Enter Password	Confirm Password				
User Name SYS SYSTEM SYSMAN DBSNMP	Enter Password	Confirm Password				
User Name SYS SYSTEM SYSMAN DBSNMP C	Enter Password	Confirm Password				
User Name SYS SYSTEM SYSMAN DBSNMP I Use the same pass Enter Password:	Enter Password	Confirm Password				
User Name SYS SYSTEM SYSMAN DBSNMP C Use the same passy Enter Password:	Enter Password word for all the accounts ***** Confirm ed Products	Confirm Password	<u>Cancel</u>)			

Specify passwords for the User accounts. Click Next.

📓 Oracle Universal Ins	taller: Specify Instance Name and ias_admin Password 🛛 🗐 🖾 🔀			
· · · · · ·	$= 1000 \text{ M} \cap 2$			
Specify Insta	nce Name and ias_admin Password			
All Oracle Application hostname and domain	Server Infrastructure instances installed on a host must have unique names. The name of the host are appended to the instance name.			
Each Oracle Applicatio performed the installa installed by the same	n Server Infrastructure instance has its own password, regardless of which user tion. Passwords are not shared across instances, even if the instances were user.			
The password must have a minimum of 5 alphanumeric characters, maximum 30 characters, and at least one of the characters must be a number.				
Administrator Usernan	ne: las_admin			
Instance Name:	OID_USER			
ias_admin Pass <u>w</u> ord:	*****			
Confirm Password:	*****			
Help Insta	illed <u>Products</u> <u>Back</u> <u>Next</u> install <u>Cancel</u>			
ORACLE				

Chose a suitable Instance Name and password for the ias_admin user. Click Next.

👹 Oracle Universal Installer: Privileged Oper	ating System Groups	
Privileged Operating Syst	em Groups	00
SYSDBA and SYSOPER privileges are required authentication. These are granted through me respectively, and the dba group is usually use so enter the names of the UNIX groups of whi	to create a database using operating system (OS) embership in the UNIX groups OSDBA and OSOPEF ed for this purpose. You are not a member of this ch you are a member, to be used for OSDBA and	ζ, s group, OSOPER.
Database Administrator (OSDBA) Group	oinstall]
Database Operator (OSOPER) Group	oinstall]
		>
Help Installed Products)	Back Next Install	∑ancel
ORACLE		

Keep the defaults for the Privileged Operating System Groups and click Next.

Oracle Universal Installer: Summary	
Summary Oracle Application Server Infrastructure 10g 10.1.4.0.1	
⊖ Global Settings	E
-Source: /space/src/oracle/OIM_ID_INFRA/Disk1/stage/products.xml	
 Oracle Home: /space/oracle/product/10.1.4/IM_INFRA_USER (oracleas1) 	
-Installation Type: Identity Management and Metadata Repository	
🔶 Product Languages	
-English (United Kingdom)	
English	
-/space/ Required 3.85GB : Available 41.58GB	
/tmp/ Required 137MB (only as temporary space) : Available 8.98GB	
-New Installations (308 products)	
-ADF Business Components Config Assistant 10,1,2,0,2	
-ADF Business Components Config Assistant for agent 10.1.2.0.2	
-ADF Business Components Runtime Library 10.1.2.0.2	
Help / Installed Products / Back Next Install /	Cancel
ORACLE'	

Review the installation and click Install.

During the installation another script will be required to be run as the root user.



🗙 root@sagdell51: -	
All installer requirements met.	
Checking Temp space: must be greater than 400 MB. Actual 9290 MB Checking swap space: must be greater than 1536 MB. Actual 20002MB Checking monitor: must be configured to display at least 256 colors. 6777216 Passed Checking if CPU speed is above 450 MHz. Actual 2327 MHz Passed Preparing to launch Dracle Universal Installer from /tmp/DraInstall20 -49-12AM. Please wait[oracle@sagdel15t Disk1]\$ Oracle Universal 1 ersion 10,1.0,5.0 Production Copyright (C) 1999. 2006. Oracle. All rights reserved.	Passed Passed Actual 1 007-11-27_10 Installer, V
0 files secured. opmnctl: opmn is already running	
[oracle@sagdell5t Disk1]\$ su - Password: [root@sagdell5t ~]# /space/oracle/product/10.1.4/IM_INFRA_USER/root.s Running Oracle10 root.sh script \nThe following environment variables are set as: ORACLE_OWNER= oracle ORACLE_HOME= /space/oracle/product/10.1.4/IM_INFRA_USER	sh
Enter the full pathname of the local bin directory: [/usr/local/bin];	

If this is the first installation of Oracle products on the machine the default answers should be accepted. If not then you may be asked to overwrite existing files; select 'No' to append information to those files.

Oracle l	Iniversal	Installer: Conf	jeuration .	Assistants
		THE CASE OF LEGITI		

Configuration Assistants

The following configuration assistants will configure and start the components you selected earlier.

	Tool Name	Status	Туре
	Oracle Identity Management oneoff patch Configurat	i In progress	Recommended
	Oracle Net Configuration Assistant	Pending	Recommended
	Oracle Database Configuration Assistant	Pending	Recommended
1	Java Security Configuration Assistant	Pending	Recommended
2	OC4J Configuration Assistant	Pending	Recommended
1	HTTP Server Configuration Assistant	Pending	Recommended
)et	ails (see full log at /space/oracle/oralnventory/logs/i	nstallActiops2007-1	1-27_10-49-12AM.log
Det Dut Cor Plea	ails (see full log at /space/oracle/oralnventory/logs/i put generated from configuration assistant "Oracle Ic ifiguration Assistant": ase see the IM Oneoff Patch Configuration Assistant d _INFRA_USER/cfgtoollogs/imoneoffpatchca_ <timestar< td=""><td>nstallActions2007-1 lentity Management letails at: /space/ora mp>.log</td><td>ncle/product/10.1.4</td></timestar<>	nstallActions2007-1 lentity Management letails at: /space/ora mp>.log	ncle/product/10.1.4

Allow the Configuration Assistants to run.

🐱 Oracle Universal Installer: End of Installation	
End of Installation	8
The installation of Oracle Application Server Infrastructure 10g was successful.	
Please remember	
The following J2EE Applications have been deployed and are accessible at the URLs listed below.	2
Use the following URL to access the Oracle Enterprise Manager 10g Application Server Control Console :	
http://sagdell5t.saglab.uk.oracle.com:1156	
The following information is available in: /space/oracle/product/10.1.4/IM_INFRA_USER/install/setupinfo.txt	
Click the Release Information button to view current release information.	
Release Information	
Help Installed Products Back Next I Install	Exit)
ORACLE	

The installation of OID is now complete.

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