

Oracle Application Server 10g Quick Installation Guide

Presented by

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We put today's technology to work for you.

This presentation is based on:

Oracle® Application Server 10g

Quick Installation and Upgrade Guide

10g (9.0.4) for Solaris Operating System (SPARC)

Part No. B10936-01

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MFG Systems

We put today's technology to work for you.

Types of Install

- Java Developer
- Portal and Wireless Developer

Check

- Check requirements
- Patches
- Create Groups
 - Inventory Group
 - Database Group
- Create Operating System User
- Check Environment Variables
- Check Kernel Parameters
- Check Ports (1521 must be available)

Check requirements

	Java Developer Topology	Portal and Wireless Middle Tier	OracleAS Infrastructur 10g
Operating system	Solaris 8, Solaris 9	Solaris 8, Solaris 9	Solaris 8, Solaris 9
Memory	512 MB	1 GB	1 GB
To determine the amount of memory, use the prtconf command:	(524288 kb)	(1048576 kb)	(1048576 kb)
prompt> prtconf grep Memory			
Disk space ¹	450 MB	975 MB	2.6 GB
To determine the amount of free disk space, use the df command:	(460800 kb)	(998400 kb)	(2726298 kb)
prompt> df -k dir.			
Space in /tmp	150 MB	150 MB	150 MB
	(153600 kb)	(153600 kb)	(153600 kb)

Check Requirements

	Java Developer Topology	Portal and Wireless Middle Tier	OracleAS Infrastructure 10g
Swap space ²	1.5 GB	1.5 GB	1.5 GB
To determine the amount of available swap space, use the swap command:	(1572864 KB)	(1572864 KB)	(1572864 KB)
<pre>prompt> swap -l</pre>			
The value in the "free" column indicates the number of free blocks, where a block is 512 bytes. To convert blocks to KB, divide the number by 2. For example, 2,000,000 free blocks is equivalent to 1,000,000 KB.			

Patches and Packages

- Solaris 8 has approximately 18 patches
- Solaris 9 has two patches
 - `showrev -p`
- Also check that you have all the packages that OracleAS 10g requires
 - Run `packinfo <package name>`

Create Groups

- Don't forget to set the DISPLAY
 - DISPLAY=viper.mfgsys.com:0.0;
 - export DISPLAY
- Inventory Group
 - oinstall
- Database Groups (if installing Portal and Wireless)
 - dba and osoper

Create Operating System User

- Create you're an Operating System User
 - oracle
- Assign the primary group to oinstall
 - This is the group we previously setup
- Check group assignment
 - groups oracle

Check Environment Variables

Environment Variable	Description
DISPLAY	<p>Set to the current computer.</p> <p>Example (C shell):</p> <pre>% setenv DISPLAY machine1.acme.com:0.0</pre> <p>Example (Bourne or Korn shell):</p> <pre>\$ DISPLAY=machine1.acme.com:0.0; export DISPLAY</pre>
TMP	<p>If you want the installer to use a directory other than /tmp, set the TMP environment variable to the full path of an alternate directory.</p> <p>Example (C shell):</p> <pre>% setenv TMP /tmp2</pre> <p>Example (Bourne or Korn shell):</p> <pre>\$ TMP=/tmp2; export TMP</pre>
ORACLE_HOME and ORACLE_SID	<p>The installer unsets these variables for you.</p>

Check Environment Variables (cont)

- Make sure Oracle is not mentioned in:
 - PATH, CLASSPATH and LD_LIBRARY_PATH
 - TNS_ADMIN

Check Kernel Parameters

- SEMMNI 100 semaphores sets
- SEMMNS 256 semaphores system
- SEMMSL 256 min for install only
- SHMMAX 4294967295 (4 GB) *
- SHMMIN 1 shared mem seg
- SHMMNI 100 shared mem sys
- SHMSEG 10 shared mem segs

Check Ports

- 1521 must be available
 - `netstat -an | grep 1521`
- 10g allows you to set ports
 - That would be the long install
 - Check the OracleAS 10g Installation Guide

Installer now does Pre-check

- CPU
- Operating System version
- Operating System patches
- Operating System packages
- Operating System Kernel parameters
- Memory
- Swap Space
- TMP Space
- Instance name (Application Server Instance)
- Oracle Home name (no spaces)

Starting the Installer

- Run installer from CD/DVD
 - Caution: make sure you do not run the installer from inside the mount point.
You will not be able to eject the disk to load disk2
- Copy the contents of disk1 and 2 to the server and run the installer
 - Preferred method

Starting the Installer (cont)

- `/mount_point/disk1/runInstaller`

Install the Infrastructure First

- Even though the Java Additions is listed first install the Infrastructure first
- You will be asked for an Instance Name
 - That name is not the database name it's the Infrastructure name
- You can now change the Infrastructure database name (had to use iasdb)

Installing the Java Edition

- After running the installer the first screen you will see is the Welcome screen.
 - Click Next
 - Specify the inventory directory (must be deferent then the Oracle Home
 - /opt/oracle/oraInventory
 - Entry the name of the group “oinstall”
 - Run oraInstRoot.sh as root in a different shell as root!

Installing the Java Edition (cont)

- Enter a name for the oracle home

Installing Portal and Wireless Edition

- Installing the Infrastructure
- Installing the Middle Tier
 - Portal and Wireless
- Expanding the Middle Tier

Accessing the Welcome Page

- <http://viper.mfgsys.com:7778/>

Moving the Infrastructure

- You can move the infrastructure to a new database using RepCA
- This tool copies the OracleAS Metadata Repository from an existing DB to a new DB.
- Oracle® Application Server Repository Creation Assistant
Installing the Oracle Application Server Metadata Repository into an Existing Database 10g (9.0.4) for Solaris Operating System (SPARC)
- Part No. B12260-01 November 2003

http://download-west.oracle.com/docs/cd/B10467_02/repca.904/repca/toc.htm

Moving Portal

- Do you use Portal?
 - Note:249513.1
 - How to Install OracleAS Portal 10g (9.0.4) into a Remote Database Using REPCA

E-Business DB

- Do you want to use an E-Business suite DB?
- Note:251627.1 -- Installing an OracleAS Metadata Repository with an Oracle E-Business Suite Database

General Topologies:

Oracle® Application Server 10g

- Advanced Topologies for Enterprise Deployments
 - 10g (9.0.4)
 - Part No. B12115-01
 - September 2003
- <http://iasdocs.us.oracle.com/iasdl/doc/core.904/b12115.pdf>

A large, stylized graphic where the letters 'Q' and 'A' are rendered in a thick, black, serif font. A large, light purple ampersand (&) is positioned between the 'Q' and 'A', overlapping them. The words 'QUESTIONS' and 'ANSWERS' are written in a smaller, black, sans-serif font across the middle of the graphic, with 'QUESTIONS' on the top line and 'ANSWERS' on the bottom line.

QUESTIONS
ANSWERS

Contact Information

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 - (New and Improved Web Site!!!)