

Agile

Version e6.1

ORACLE

# Oracle® Agile Engineering Data Management

Installation Manual for Oracle Application Server  
10.1.3. on Unix for Agile e6.1.1

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# Preface

The Oracle documentation set includes Adobe® Acrobat™ PDF files. The [Oracle Technology Network \(OTN\) Web site](http://www.oracle.com/technology/documentation/agile.html) (<http://www.oracle.com/technology/documentation/agile.html>) contains the latest versions of the Oracle Agile EDM PDF files. You can view or download these manuals from the Web site, or you can ask your Agile administrator if there is an Oracle Documentation folder available on your network from which you can access the documentation (PDF) files.

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**Note** To read the PDF files, you must use the free Adobe Acrobat Reader™ version 7.0 or later. This program can be downloaded from the [Adobe Web site](http://www.adobe.com) (<http://www.adobe.com>).

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**Note** Before calling Agile Support about a problem with an Oracle Agile EDM manual, please have the full part number, which is located on the title page.

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## Readme

Any last-minute information about Oracle Agile EDM can be found in the Release Notes file on the [Oracle Technology Network \(OTN\) Web site](http://www.oracle.com/technology/documentation/agile_eseries.html) ([http://www.oracle.com/technology/documentation/agile\\_eseries.html](http://www.oracle.com/technology/documentation/agile_eseries.html))

## Agile Training Aids

Go to the [Oracle University Web page](http://www.oracle.com/education/chooser/selectcountry_new.html) ([http://www.oracle.com/education/chooser/selectcountry\\_new.html](http://www.oracle.com/education/chooser/selectcountry_new.html)) for more information on Agile Training offerings.

## Accessibility of Code Examples in Documentation

Screen readers may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, some screen readers may not always read a line of text that consists solely of a bracket or brace.

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# Introduction

This guide describes how to install Oracle Application Server 10.1.3.1.0 and 10.1.3.3 patch under Unix based systems.

Oracle Application Server 10g Release 3 (10.1.3.1.0) provides the Oracle SOA Suite, which is a complete set of service infrastructure components for creating, deploying, and managing Service Oriented Architectures. Oracle SOA Suite enables services to be created, managed, and orchestrated into composite applications and business processes.

## Where to Go for More Information

For additional information refer to the Oracle® Application Server Installation Guides 10g Release 3 (10.1.3.1.0)

[http://download.oracle.com/docs/cd/B31017\\_01/nav/docindex.htm](http://download.oracle.com/docs/cd/B31017_01/nav/docindex.htm)



# Hardware and Software Requirements

## AIX

- IP  
The computer's IP address must be static. Oracle Application Server does not support AIX systems using DHCP.
- Hostname  
Ensure that your hostnames are not longer than 255 characters.
- Processor type  
All AIX Common Hardware Reference Platform processors (64-bit)  
If the processor is a 64-bit processor, the following command returns the value 64:  

```
# /usr/bin/getconf HARDWARE_BITMODE
```

  
To make sure the processor is a Common Hardware Reference Platform processor, run the following command as the root user and make sure it returns the value chrp:  

```
#bootinfo -p
```
- Memory  
For additional information refer to the Hardware Sizing Recommendation for Agile e6.1 document to determine the required memory for the Application Server installation.  
To determine the amount of memory, enter the following command:  

```
# /usr/sbin/lssattr -E -l sys0 -a realmem
```
- Disk space  
J2EE Server and Web Server: 1.7 GB  
To determine the amount of free disk space, use the df command:  

```
prompt> df -k dir
```
- Space in /tmp directory  
400 MB  
To determine the amount of free disk space in the /tmp directory, use the df command:  

```
prompt> df -k /tmp
```
- Swap space  
1.5 GB of available swap space.  
To determine the amount of available swap spaces, enter the following command:  

```
# /usr/sbin/lssps -a
```

## Software Requirements

- Operating system
  - AIX 5L Version 5.3
- Software Requirements for AIX 5L Version 5.3
  - Maintenance Level
    - 03 or higher

Check that AIX 5.3, maintenance level 03 or higher is installed by entering the `oslevel -r` command:

```
oslevel -r
5300-03
```

The version of AIX is 5.3, maintenance level 03
  - File sets
    - bos.adt.base
    - bos.adt.lib
    - bos.adt.libm
    - bos.perf.libperfstat
    - bos.perf.perfstat
    - bos.perf.proctools

Determine the installed file sets by the following command:

```
lslpp -l bos.adt.base bos.adt.lib bos.adt.libm bos.perf.perfstat
bos.perf.libperfstat
```

The missing file set has to be installed.
  - Patches
    - IY76141: CHILD PROCESS UNABLE TO LOAD A MODULE

To determine where the patch is installed, enter the following command:

```
/usr/sbin/instfix -i -k "IY76141"
```

If the patch is not installed, install it.

## Configure Shell Limits

The following shell limits are recommended to be set for Oracle user:

Bourne or Bash Shell Limit	Korn Shell Limit	C or tcsh Shell Limit	Hard Limit
nofile	nofile	descriptor	65536
noproc	processes	maxproc	16384

To increase the shell limits, follow this instruction.

1. Add the following lines to the file `/etc/security/limits.conf`:
 

```
*          soft  nproc          2047
*          hard  nproc          16384
*          soft  nofile         2048
```

```
*          hard  nofile          65536
```

2. Add the following line to the file /etc/pam.d/login, if it is missing:

```
session    required    /lib/security/palm_limits.so
```

3. Depending on the Oracle user's default shell, make the following changes to the default shell start up file:

- For the Bourne, Bash, or Korn shell, add the following lines to the file /etc/profile:

```
if [ $USER = "oracle" ]; then
    if [ $SHELL = "/bin/ksh" ]; then
        ulimit -p 16384
        ulimit -n 65536
    else
        ulimit -u 16384 -n 65536
    fi
fi
```

- For the C or tcsh shell, add the following lines to the file /etc/csh.login:

```
if ( $USER == "oracle" ) then
    limit maxproc 16384
    limit descriptors 65536
endif
```

## Configure System Configuration Parameters

Verify that the maximum number of processes allowed per user is set to 2048 or higher.

- Ports

By default, the installer configures Oracle HTTP Server to use port 7777, not port 80.

- Environment Variables

PATH, CLASSPATH, and LD\_LIBRARY\_PATH must not contain references to directories in any Oracle home directories.

ANT\_HOME, TNS\_ADMIN, ORA\_NLS must not be set.

TMP and TMPDIR are optional – if unset, defaults to /tmp .

DISPLAY must be set to point to X server where the installer will be displayed.

E. g. for C shell:

```
setenv DISPLAY <hostname>:0.0
```

- OS users and groups

If you plan to install Oracle Application Server on a computer that does not have any other Oracle products, you need to create an operating system user and group for installing and running Oracle products.

- To create a local operating system group:

1. Enter the following command to create the dba group:

```
smit security
```

2. Choose the appropriate menu items to create the dba group.

3. Press F10 to exit

- To create a local operating system user:

1. Enter the following command:

```
smit security
```

2. Choose the appropriate menu items to create the Oracle user, specifying the following information:

In the Primary Group field, specify the Oracle Inventory group – dba.

In the Group SET field, specify dba as OSDBA group and if required, as OSOPER group.

---

**Note** The IUD for the Oracle user has to be less than 65536.

---

3. Press F10 to exit.

4. Set the password for the Oracle user:

```
passwd oracle
```

## HP-UX

### □ IP

The computer's IP address must be static. Oracle Application Server does not support HP-UX PA RISK/Itanium systems using DHCP.

### □ Hostname

Ensure that your hostnames are not longer than 255 characters.

### □ Processor type

64-bit HP-UX PA-RISC/Itanium processor

If the processor is a 64-bit processor, the following command returns the value 64:

```
# /bin/getconf KERNEL_BITS
```

### □ Memory

For additional information refer to the Hardware Sizing Recommendation for Agile e6.1 document to determine the required memory for the Application Server installation.

To determine the amount of memory, enter the following command:

```
# grep "Physical:" /var/adm/syslog/syslog.log
```

### □ Disk space

J2EE Server and Web Server: 2 GB

To determine the amount of free disk space, use the df command:

```
prompt> bdf dir
```

### □ Space in /tmp directory

400 MB

To determine the amount of free disk space in the /tmp directory, use the df command:

```
prompt> df -k /tmp
```

▫ Swap space

1.5 GB of available swap space.

To determine the amount of available swap space, enter the following command:

```
# /usr/sbin/swapinfo -a
```

## Software Requirements

### HP-UX PA-RISC

▫ Operating system

- HP-UX 11i (11.23) PA-RISC or higher.

To determine which version of HP-UX is installed, enter the following command:

```
uname -a
```

- Patches for 11.23 or higher

- BUNDLE11i B.11.23.0409.3 Required Patch Bundle for HP-UX 11i v2 (B.11.23), September 2004
  - PHSS\_26792 s700\_800 11.X ANSI C compiler B.11.11.04 cumulative patch
  - PHSS\_26793 s700\_800 11.X +O4/PBO Compiler B.11.11.04 cumulative patch
  - PHSS\_31849 : s700\_800 11.23 linker + fdp cumulative patch
  - PHSS\_31852 : s700\_800 11.23 aC++ Runtime (IA: A.06.05, PA: A.03.65)
  - PHSS\_32511 : s700\_800 11.23 HP aC++ Compiler (A.03.63)
  - PHSS\_32512 : s700\_800 11.23 ANSI C compiler B.11.11.12 cumulative patch
  - PHSS\_32513 : s700\_800 11.23 +O4/PBO Compiler B.11.11.12 cumulative patch

Following patch is required if Service Guard is installed on the system:

- PHSS\_32740 : s700\_800 11.23 Service Guard A.11.16.00

To determine whether a patch is installed, enter a command similar to the following:

```
/usr/sbin/swlist -l patch | grep PHKL_29198
```

▫ Kernel Parameters

Complete the following tasks to set the kernel parameters:

1. Start System Administration Manager (SAM) as the root user:

```
/usr/sbin/sam
```

2. Choose the Kernel Configuration area then choose the Configurable Parameters area.

3. Check that the following kernel parameters have the specified values or higher:

```
maxfiles: 2048
```

```
maxfiles_lim: 65536
```

```
max_thread_proc: 2048
```

4. If necessary, modify these values

5. If you modified any of these values, restart the system

```
/sbin/shutdown -r now
```

## HP-UX Itanium

□ Operating system

- HP-UX 11i (11.23) Itanium or higher

To determine which version of HP-UX is installed, enter the following command:

```
uname -a
```

- Patches for 11.23

- BUNDLE11i B.11.23.0409.3 (Patch Bundle for HP-UX 11i v2 (B.11.23), September 2004)
- PHSS\_31850 (11.23 assembler patch)
- PHSS\_31851 (11.23 Integrity Unwind Library)
- PHSS\_31854 (11.23 milli cumulative patch)
- PHSS\_31855 (11.23 aC++ Runtime (IA: A.05.60, PA A.03.60))
- PHSS\_33275 + PHSS\_32213 (11.23 linker + fdp cumulative patch)
- PHSS\_33276 (11.23 Math Library Cumulative Patch)
- PHSS\_33278: aC++ Compiler (A.06.02)
- PHSS\_33277: HP C Compiler (A.06.02)
- PHSS\_33279: u2comp/be patch

The following patches are required by JDK 1.5 or higher. JDK 1.5.0.03 is installed with this release:

- PHCO\_31553: pthread library cumulative patch
  - PHKL\_31500: 11.23 Sept04 base patch
  - PHSS\_34201: 11.23 Aries cumulative patch
- Patches for 11.31
    - PHKL\_35936

To determine whether a patch is installed, enter a command similar to the following:

```
/usr/sbin/swlist -l patch | grep PHSS_31850
```

To determine whether the bundle is installed, enter the following command:

```
/usr/sbin/swlist | grep BUNDLE
```

□ Kernel Parameters

Complete the following tasks to set the kernel parameters:

- a. Start System Administration Manager (SAM) as the root user:

```
/usr/sbin/sam
```

6. Choose the Kernel Configuration area then choose the Configurable Parameters area.
7. Check the value for `maxfiles_lim` is at least 4096. If necessary, modify that value. See the SAM online help for more information on completing this step.
8. Exit SAM
9. If you modified the value, restart the system

```
/sbin/shutdown -r now
```

## Configure System Configuration Parameters

### □ Ports

By default, the installer configures Oracle HTTP Server to use port 7777, not port 80.

To check if a port is being used, you can run the netstat command as follows:

```
prompt> netstat -an | grep portnum
```

### □ Environment Variables

- PATH, CLASSPATH, and LD\_LIBRARY\_PATH must not contain references to directories in any Oracle home directories.
- ANT\_HOME, TNS\_ADMIN, ORA\_NLS must not be set.
- TMP and TMPDIR are optional – if unset, defaults to /tmp .
- DISPLAY must be set to point to X server where the installer will be displayed.

E. g. for C Shell:

```
setenv DISPLAY <hostname>:0.0
```

### □ OS Users and Groups

If you plan to install Oracle Application Server on a computer that does not have Oracle products, you need to create an operating system user and group for installing and running Oracle products. Create user oracle with default group dba if they don't exist.

Login as user root and execute the following commands:

- To create the dba group:

```
/usr/sbin/groupadd dba
```

- To create the oracle user, enter a command similar to the following:

```
/usr/sbin/useradd -g dba oracle
```

- To set password for user oracle:

```
passwd oracle
```

## Linux

### □ IP

The computer's IP address can be static or allocated using DHCP.

### □ Hostname

Ensure that your hostnames are not longer than 255 characters.

### □ Processor type

Pentium (32-bit), 300 MHz or faster.

To determine the processor type, run the following command:

```
prompt> cat /proc/cpuinfo | grep name
```

On a 64-bit Linux operating system, Oracle Application Server 10g needs 32-bit emulation mode in this release. Please set 32-bit emulation mode by running the command

```
# linux32 bash
```

□ **Memory**

For additional information refer to the Hardware Sizing Recommendation for Agile e6.1 document to determine the required memory for the Application Server installation.

To determine the amount of memory, enter the following command:

```
prompt> grep MemTotal /proc/meminfo
```

□ **Disk space**

J2EE Server and Web Server: 650 MB

To determine the amount of free disk space, use the df command:

```
prompt> df -k dir
```

□ **Space in /tmp directory**

400 MB

To determine the amount of free disk space in the /tmp directory, use the df command:

```
prompt> df -k /tmp
```

□ **Swap space**

512 MB of available swap space.

To determine the amount of available swap space, enter the following command:

```
# grep SwapTotal /proc/meminfo
```

□ **Installing from the Console or X Windows**

If you are performing the installation from the console or X Windows, then add the following line to the /etc/pam.d/xdm file:

```
session required pam_limits.so
```

## **Software Requirements for SLES10**

□ **Operating system**

- SUSE Linux Enterprise Server 10

□ **Software packages for SLES10 (x86)**

- gcc-4.1.0-28.4
- glibc-devel-2.4-31.2
- gcc-c++-4.1.0-28.4
- libgcc-4.1.0-28.4
- libstdc++-devel-4.1.0-28.4
- libstdc++-4.1.0-28.4
- binutils-2.16.91.0.5-23.4
- compat-libstdc++-5.0.7-22.2
- compat-2006.1.25-11.2
- make-3.80-202.2

□ **Software packages for SLES10 (x86\_64)**

- gcc-4.1.0-28.4.x86\_64.rpm

- glibc-2.4-31.2.x86\_64.rpm
- glibc-devel-2.4-31.2.x86\_64.rpm
- glibc-32bit-2.4-31.2.x86\_64.rpm
- glibc-devel-32bit-2.4-31.2.x86\_64.rpm
- gcc-c++-4.1.0-28.4.x86\_64.rpmlibgcc-4.1.0-28.4.x86\_64.rpm
- libstdc++-devel-4.1.0-28.4.x86\_64.rpm
- libstdc++-4.1.0-28.4.x86\_64.rpm
- binutils-2.16.91.0.5-23.4.x86\_64.rpm
- binutils-32bit-2.16.91.0.5-23.4.x86\_64.rpm
- compat-old-2004.7.1-1.2.1.i386.rpm

(You can download the last package from the following location:

<http://oss.oracle.com/projects/compat-oracle/dist/files/SuSE/compat-old-2004.7.1-1.2.1.i386.rpm>)

- compat-32bit-2006.1.25-11.2.x86\_64.rpm
- compat-libstdc++-5.0.7-22.2.x86\_64.rpm
- compat-2006.1.25-11.2.x86\_64.rpm
- make-3.80-202.2.x86\_64.rpm
- linux32-1.0-349.2.x86\_64.rpm
- db1-32bit-1.85-101.2.x86\_64.rpm

Determine if other packages are installed by using the following command:

```
rpm -q package_name
```

You have to ensure that the correct architecture and optimization rpm file is being used while installing a package. To check the architecture of an rpm file, run the following command:

```
rpm -q package_name -queryformat "%{arch}\n"
```

#### □ Kernel Parameter Settings

Verify that the kernel parameters shown in the following table are set either to the formula shown, or to values greater than or equal to the recommended value shown.

Parameter	Value
semmsl semmns semopm semmni	256 32000 100 142
shmall	2097152
shmmax	2147483648
shmmni	4096
file-max	131072
ip_local_port_range	10000 65000

Run the following commands to view the current values of the kernel parameters:

```
semmsl, semmns, semopm, and semmni
/sbin/sysctl -a | grep sem
```

This command displays the value of the semaphore parameters in the order listed.

```
shmall, shmmax, and semmni
/sbin/sysctl -a | grep shm
```

```
file-max
```

```
/sbin/sysctl -a | grep file-max
```

```
ip_local_port_range
```

```
/sbin/sysctl -a | grep ip_local_port_range
```

- Create the following symbolic link for the Perl executable if it does not already exist:

```
ln -sf /usr/bin/perl /usr/local/bin/perl
```

- Create the following symbolic link for the fuser executable if it does not already exist:

```
ln -sf /bin/fuser /sbin/fuser
```

- If any Java packages are installed on the system, unset the Java environment variables, for example JAVA\_HOME.

- If you use Network Information Service (NIS):

- Make sure that the following line exists in the `/etc/yp.conf` file:

```
hostname.domainname broadcast
```

- Make sure that the following line exists in the `/etc/nsswitch.conf` file:

```
hosts: files nis dns
```

- Make sure that the localhost entry in the `/etc/hosts` file is an IPv4 entry. If the IP entry for localhost is IPv6 format, installation cannot succeed. The following example shows an IPv6 entry:

```
prompt> special IPv6 addresses
```

```
:::1          localhost ipv6-localhost ipv6-loopback
```

```
:::1          ipv6-localhost ipv6-loopback
```

- JDK Certification for SUSE Linux Enterprise Server 10 Linux x86-64  
JDK Vendor – Sun (32 bit) JDK 1.5.0\_(05+)
- JDK Certification for SUSE Linux Enterprise Server 10 Linux x86  
JDK Vendor – Sun (32 bit) JDK 1.5.0\_(05+)

## Solaris

- IP

The computer's IP address must be static. Oracle Application Server does not support Solaris Operation System (SPARC) 64-Bit systems using DHCP.

- Hostname

Ensure that your hostnames are not longer than 255 characters.

- Processor type

To determine the processor type, run the `psrinfo` command with the `-v` option. The output must show "sparcv9". 450 MHz or higher processor speed is recommended.

- Memory

For additional information refer to the Hardware Sizing Recommendation for Agile e6.1

document to determine the required memory for the Application Server installation.

To determine the amount of memory, enter the following command:

```
prompt> /usr/sbin/prtconf | grep Memory
```

□ Disk space

J2EE Server and Web Server: 950 MB

To determine the amount of free disk space, use the df command:

```
prompt> df -k dir
```

□ Space in /tmp directory

512 MB or greater of available swap space

To determine the amount of free disk space in the /tmp directory, use the df command:

```
prompt> df -k /tmp
```

□ Swap space

1.5 GB of available swap space.

To determine the amount of available swap space, enter the following command:

```
prompt> /usr/sbin/swap -l
```

## Software Requirements

□ Operating system

- Solaris 10

The operating system must be configured to support 32-bit and 64-bit applications. To check this, run the `isainfo` command with the `-v` option:

```
prompt> /usr/bin/isainfo -v
64-bit sparcv9 applications
32-bit sparc applications
```

If the output does not show both lines, you need to reconfigure your computer. Check with your system administrator.

□ Patches required for Solaris Operating System (SPARC 64-Bit)

- Solaris 10

No patches are required to be installed for Solaris 10.

## Shell Limits for the Oracle User

Kernel parameter values are stored in the `/etc/system` file.

Parameter	Line in /etc/system Showing the Minimum Value
<code>rlim_fd_max</code>	<code>set rlim_fd_max=65536</code>

To determine the current setting, run this command:

```
prompt> ulimit -Hn
```

## Configure System Configuration Parameters

▫ Ports

By default, the installer configures Oracle HTTP Server to use port 7777, not port 80.

▫ Environment Variables

- PATH, CLASSPATH, and LD\_LIBRARY\_PATH must not contain references to directories in any Oracle home directories.
- ANT\_HOME, TNS\_ADMIN must not be set.
- TMP and TMPDIR are optional – if unset, defaults to /tmp .
- DISPLAY must be set to point to X server where the installer will be displayed.

E. g. C Shell:

```
setenv DISPLAY <hostname>:0.0
```

▫ OS users and groups

If you plan to install Oracle Application Server on a computer that does not have Oracle products, you need to create an operating system user and group for installing and running Oracle products. Create user 'oracle' with default group 'dba' if they don't exist.

- To create a local operating system group:

1. Start up the Solaris Management Console.

```
/usr/sadm/bin/smc
```

2. In the left frame, expand This Computer, then expand System Configuration.
3. Click Users. This displays the Log In window.
4. In the Log In window, log in as the root user.
5. In the left frame, expand Users and select Groups.
6. Select Action > Add Group.
7. In Group Name, enter the name of the group (dba).
8. Click OK.

- To create a local operating system user

1. Start up the Solaris Management Console.

```
/usr/sadm/bin/smc
```

2. In the left frame, expand this Computer, and then expand System Configuration. Click Users. This displays the Log In window.
3. In the Log In window, in User Name, enter root. In Password, enter the root password.
4. In the left frame, expand Users and select User Accounts.
5. Select Action > Add User > With Wizard.
6. In User Name, enter the name of the user (oracle). The Full Name and Description fields are optional.
7. Click Next.
8. In User ID Number, accept the default value.

9. Click Next.
10. Select user must use this password at first login, and enter a password for the user.
11. Click Next.
12. In Primary Group, select the primary group for the user (dba). This is the group you created earlier to own the inventory directory.
13. In Path, enter a home directory for the user. Click Next.
14. Review the mail server information for the user and click Next.
15. Review the user information and click finish to create the user.

---

**Note** To check which groups an operating system user belongs to, run the groups command with the name of the user. For example: groups oracle

---



## Chapter 3

# Installing Oracle Application Server 10.1.3.1.0

This chapter provides instructions about installing the Oracle Application Server 10.1.3.1.0 for use with Agile e6.1.1.

1. Download and uncompress the Oracle Application Server 10g (10.1.3) for relevant platforms from Oracle eDelivery website.
2. Download and uncompress the Oracle Application Server 10.1.3.3 Patch Set for Agile Engineering Data Management Release e6.1.1 for relevant platform from Oracle eDelivery web site.
3. Unzip the downloaded zip package. It contains the directory Agile\_e611\_patches\_<os name> (e.g. Agile\_e611\_patches\_HP64).
4. If OS is SLES-10 (x86\_64), first 32-bit emulation mode must be set – before starting the Installer. On a 64-bit Linux operating system, Oracle Application Server 10g needs 32-bit emulation mode in this release. Please set 32-bit emulation mode by running following command:  

```
linux32 bash
```
5. Start Oracle Universal Installer by executing the binary 'runInstaller' from downloaded Oracle Application Server 10g (10.1.3) pack.

---

**Note** If OS is SLES-10 (x86), start Oracle Universal Installer using the following command: `./runInstaller PREREQ_CONFIG_LOCATION=Agile_e611_patches_LINUX/oas/5863723/prereq-paramFile Agile_e611_patches_LINUX/oas/5863723/oraparam.ini`

**Note** If OS is SLES-10 (x86\_64), start Oracle Universal Installer using the following command: `./runInstaller PREREQ_CONFIG_LOCATION=Agile_e611_patches_LINUX/oas/5723682/prereq-paramFile Agile_e611_patches_LINUX/oas/5723682/oraparam.ini`

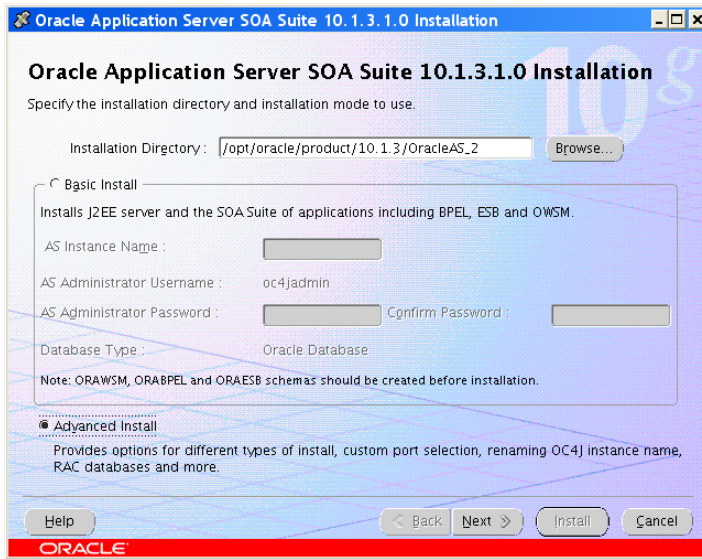
**Note** If OS is HP-UX Itanium, start Oracle Universal Installer using the following command: `./runInstaller -paramFile <full path to Agile_e611_patches_HP64>/oas/6037375/oraparam.ini.10131`

---

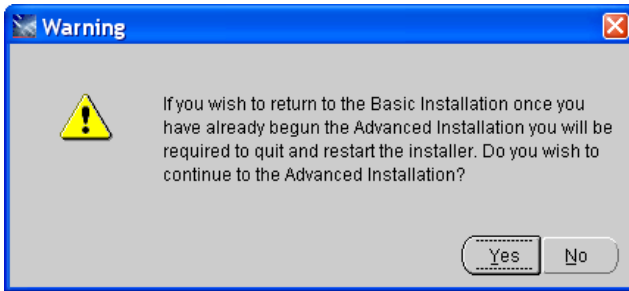
F.i. `./runInstaller -paramFile /opt/install/Agile_e611_patches_HP64/oas/6037375/oraparam.ini.10131`

---

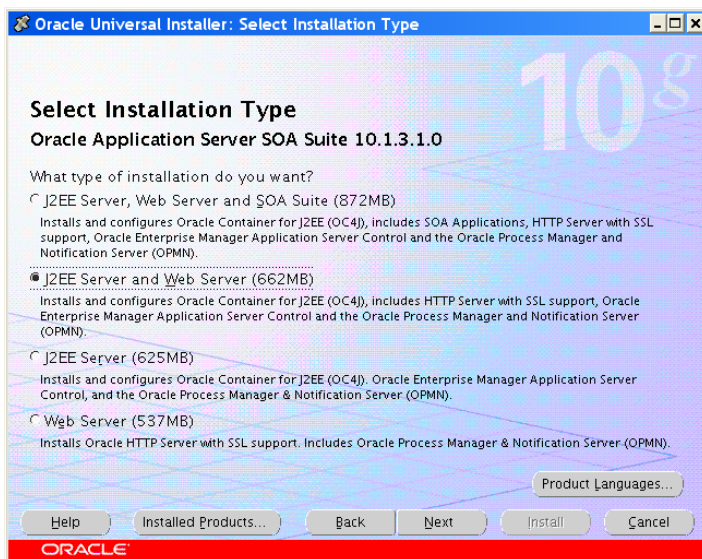
6. Select Advanced Installation and click Next.



7. If you get the following warning message, ignore it. Click on Yes to continue.

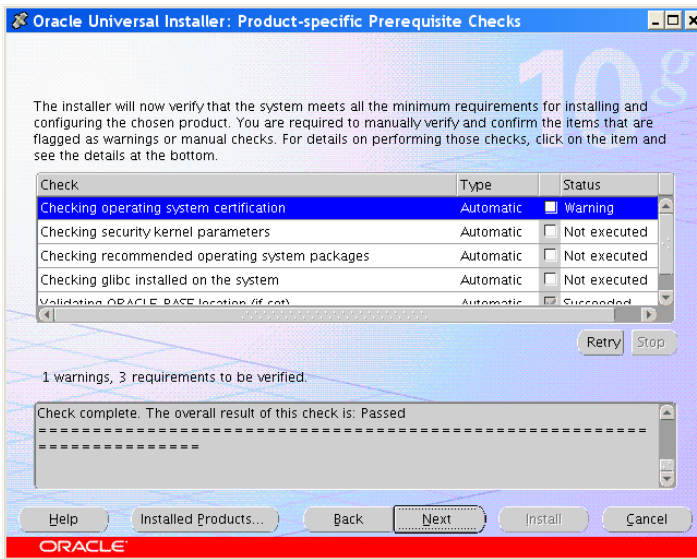


8. Select to install J2EE Server and Web Server (476MB) and click on Next.

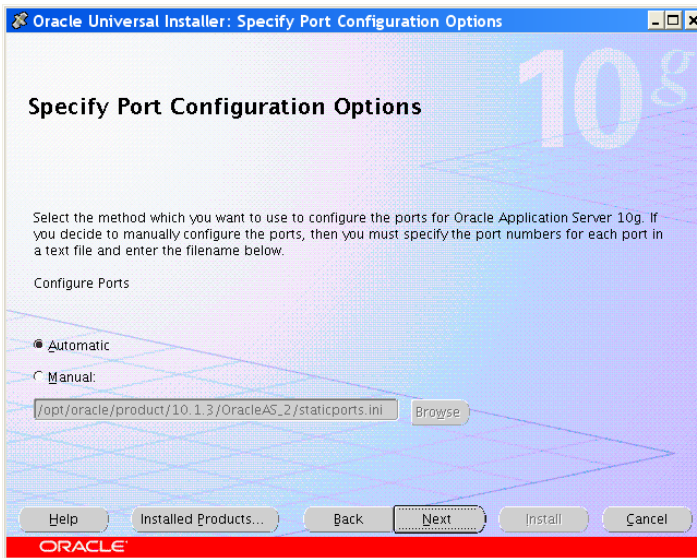


**Note** The overall result from check must be 'Passed'. If some checks have failed, ensure that all hardware and software prerequisites are met and restart the installation.

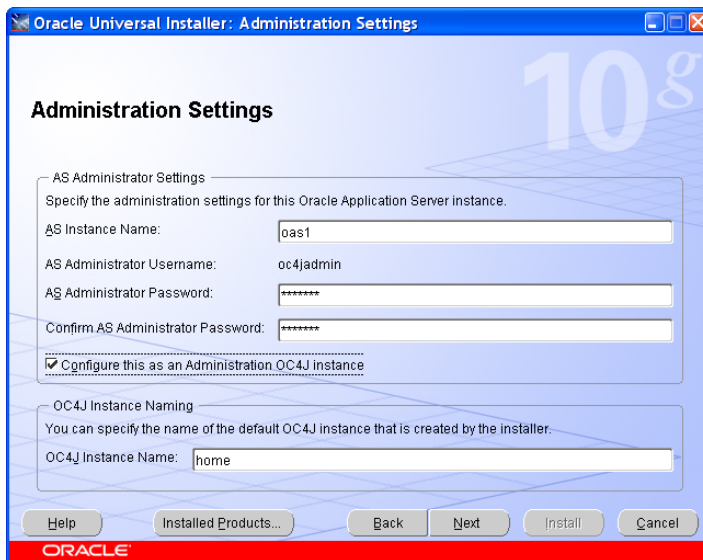
9. Click on Next.



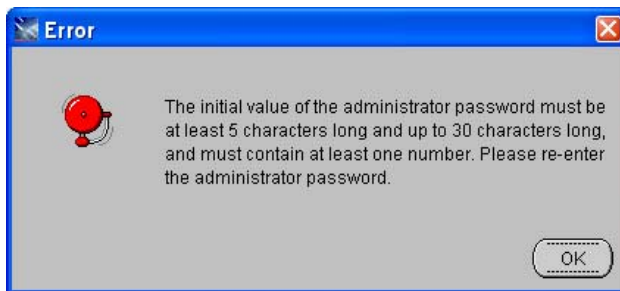
10. Select Automatic ports configuration and click on Next.



11. Enter the AS instance name and password for the user oc4jadmim – Application Server Administrator’s account. Select 'Configure this as an Administration OC4J Instance' option.

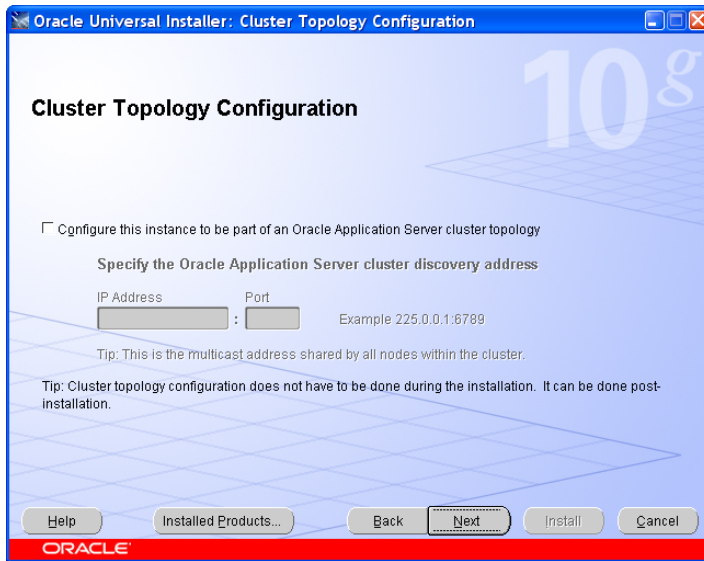


**Note** The password has to have a minimum of 5 characters and a maximum of 30 characters and has to contain at least one number. If it is not obeyed, you will get the following error message:

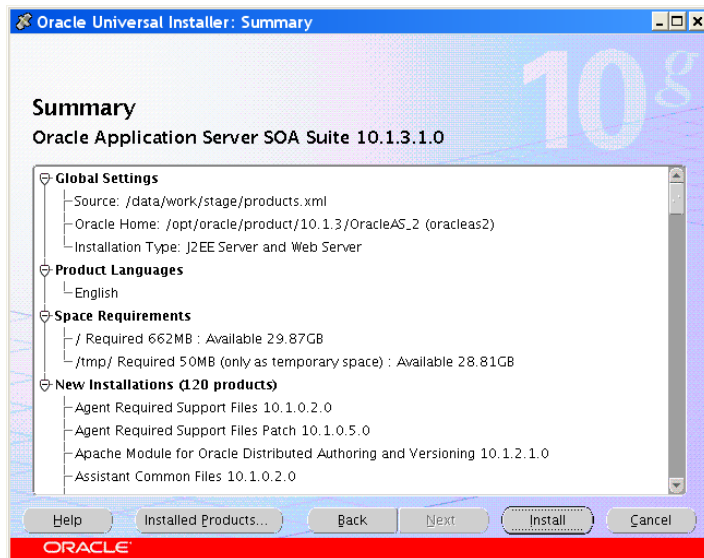


12. Click on OK and correct the password. After providing the correct data, click on Next to continue.

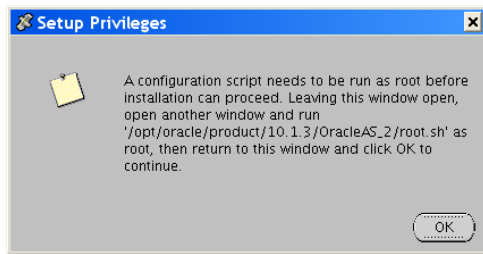
The Cluster Topology Configuration window is opened.



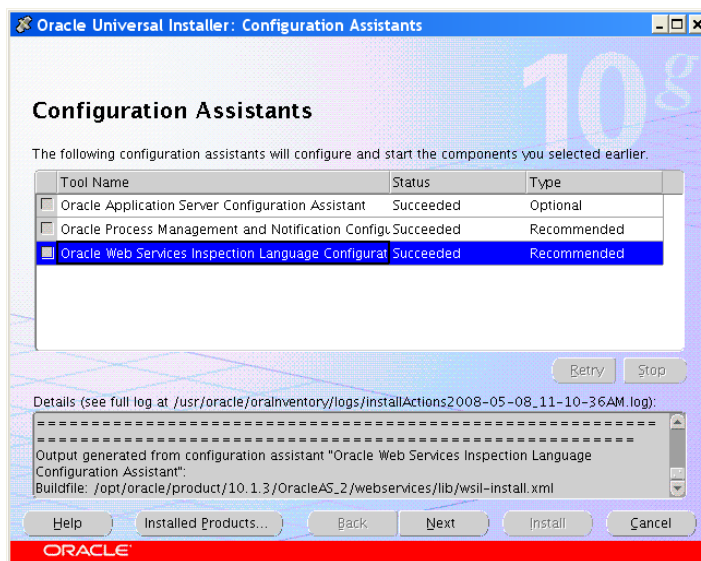
13. Click Next.
14. The Summary window appears. Click on Install to start the installation.



15. At the end of the installation a configuration script has to be run as user root. Run the script and click on OK.



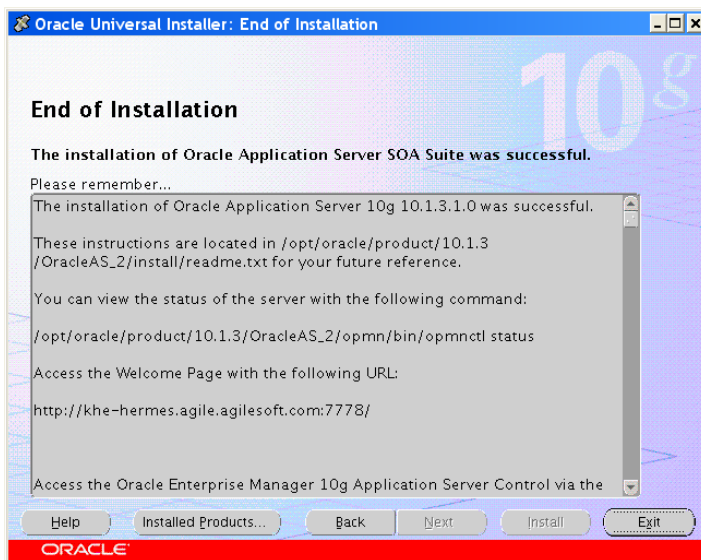
16. The status of all configuration assistants launched after the Oracle Application Server installation have to be succeeded. Click on Next.



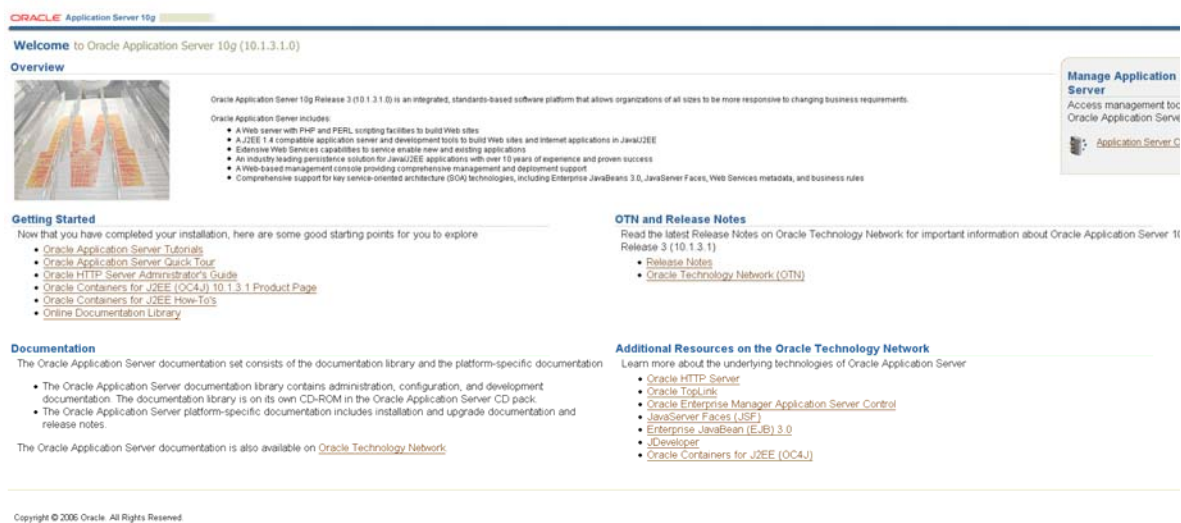
17. End the installation.

**Note** Copy the URL for the AS welcome page and click Exit. The URL is needed in the next step.

---



- Verify that Oracle Application Server instance is up and running. Enter the URL from previous step in your browser. The Oracle Application Server welcome page is displayed.



- Click on Application Server Control (the right side of the window). The Application Server Control login page is displayed.

## Login

\* User Name   
 \* Password

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 Unauthorized access is strictly prohibited.

- Enter the password for user oc4jadmin and click Login.  
 The Application Server Control main page is displayed.

**Cluster Topology** Page Refreshed May 8, 2008 11:21:12 AM CEST • View Data | Manual Refresh

**Overview**  
 Hosts: 1    Application Servers: 1  
 OC4J Instances: 1    HTTP Server Instances: 1

**Members**  
 View By: Application Servers  
    
 |  |  |

Select	Focus Name	Status	Type	Category	Host	CPU (%)	Memory (MB)
<input type="checkbox"/>	▼ All Application Servers						
<input type="checkbox"/>	oas1.khe-hermes.agile.aglesoft.com		Application Server		khe-hermes		
<input type="checkbox"/>	▶ home (JVMc: 1)		OC4J			0.89	193.45
<input type="checkbox"/>	HTTP_Server		Oracle HTTP Server			0.06	76.25

◆ Indicates the active ASControl instance.  
 TIP If a parent topology member is selected all contained members are implicitly selected.

**Groups**  
 A group is a collection of OC4J instances. Certain common management tasks can be performed simultaneously on all OC4J instances in a group. For more information, see [About Groups](#).

Select Name	OC4J Instance	Status	Application Server
<input checked="" type="checkbox"/> default_group	home		oas1.khe-hermes.agile.aglesoft.com

**Administration**

- Cluster MBean Browser
- Routing ID Configuration
- Java SSO Configuration
- Topology Network Configuration
- Runtime Ports

Setup | Logs | Help | Logout

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 About Oracle Enterprise Manager 10g Application Server Control

## Chapter 4

# Installing OPatch Patch

Before installing Oracle Application Server 10.1.3.3 patch, the latest OPatch patch has to be installed. Follow the instruction below to install the Opatch patch.

1. Rename the directory \$ORACLE\_HOME/OPatch to \$ORACLE\_HOME/OPatch\_bak (\$ORACLE\_HOME is the Application Server's Oracle home - in the current example it is /opt/oracle/product/10.1.3/OracleAS\_2).
2. Refer to downloaded Oracle Application Server 10.1.3.3 Patch Set for Agile Engineering Data Management Release e6.1.1. Copy the complete directory Agile\_e611\_patches\_<os name>/oas/OPatch to \$ORACLE\_HOME

The existing OPatch directory has been replaced, thus the latest version of Oracle OPatch tool is available now.

To verify that the latest OPatch is available now, simply go to directory \$ORACLE\_HOME/OPatch and start Opatch tool.

```
./opatch
```

The first line must be: Oracle Interim Patch Installer version 1.0.0.0.62.



## Chapter 5

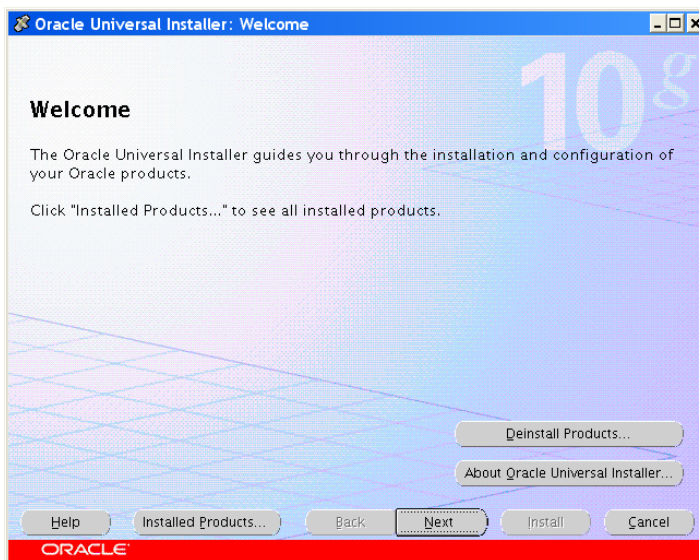
# Installing the ORACLE APPLICATION SERVER Patch 10.1.3.3

1. Refer to downloaded Oracle Application Server 10.1.3.3 Patch Set for Agile Engineering Data Management Release e6.1.1 for relevant platform
2. Go to directory Agile\_e611\_patches\_<os name>/oas/10\_1\_3\_3/Disk1 and start Oracle Universal Installer.  

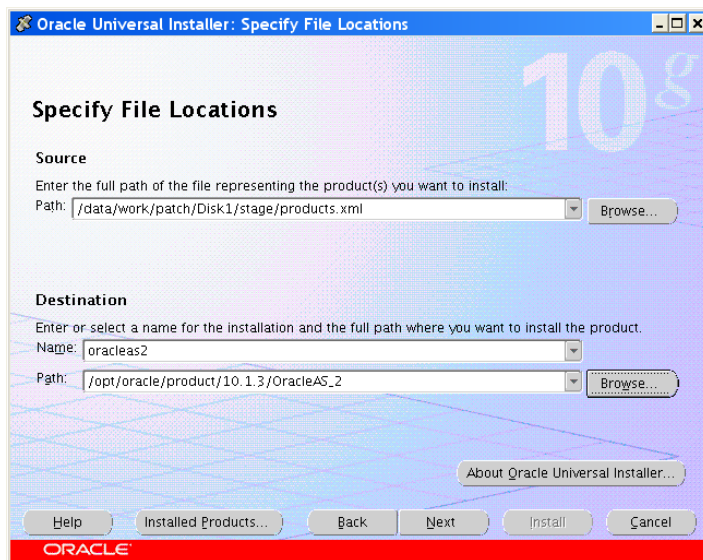
```
./runInstaller
```

The installer is launched. Click on Next.

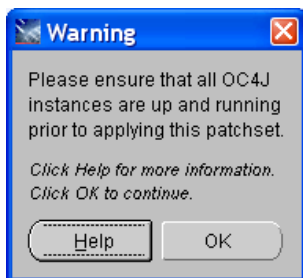
**Note** If OS is HP-UX Itanium, start Oracle Universal Installer using the following command: `./runInstaller -ignoreSysPrereqs`



3. Select Oracle Home (where AS was installed in the previous steps) name and path and click Next.



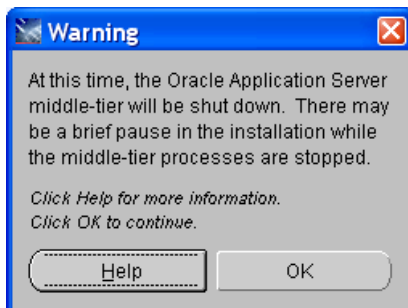
4. Ensure that OC4J instances are up and click OK. If the Oracle Application Server installation was successful, they should be up. You can check if they are up if you log on to AS control (see the screenshot above).



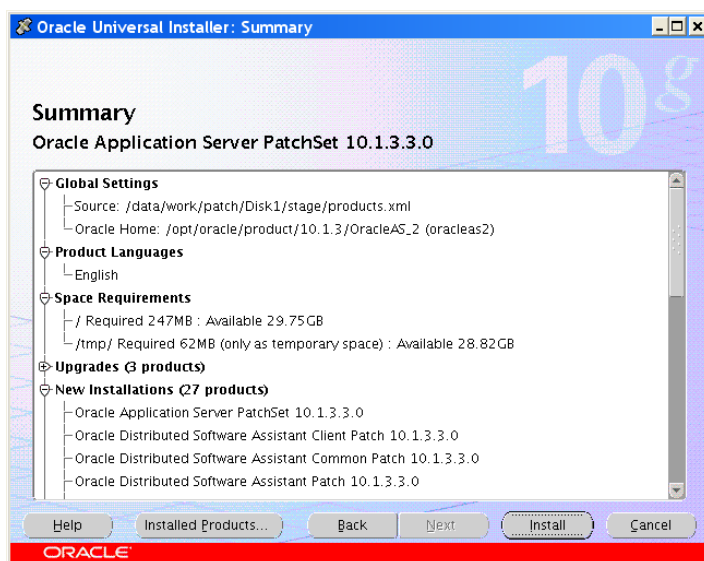
5. Enter oc4jadmin password and click Next.



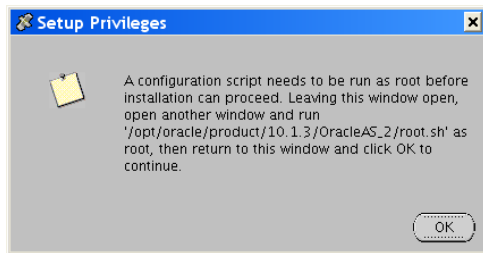
6. Click OK.



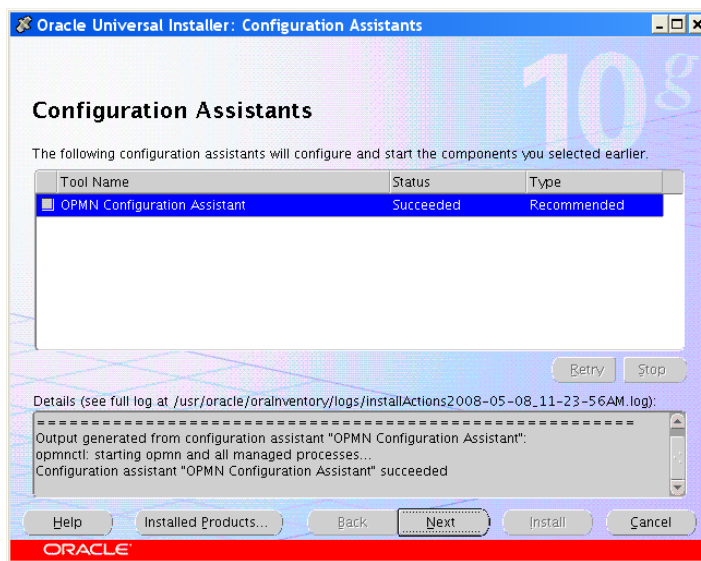
7. The Summary window appears. Click on Install.



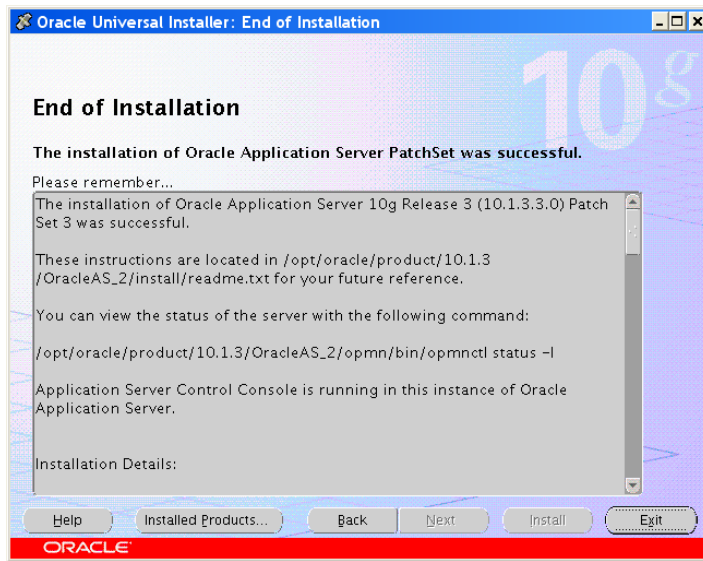
- At the end of the installation, the configuration script has to be executed as user root. Run the script and click on OK.



- The status of the configuration assistant launched after the Oracle Application Server installation has to be succeeded. Click on Next.



- The installation is finished. Click on Exit to close the installer.





## Chapter 6

# Appendix

Appendix A provides an overview of opmnctl commands for Oracle Application Server components managed by OPMN.

- **opmnctl**  
Is the supported tool for starting and stopping all components in an Oracle Application Server instance, with the exception of the Oracle Enterprise Manager 10g Application Server Control Console (Application Server Control Console).
- **opmnctl**  
This command is located in the following directory locations:
  - (Linux) \$ORACLE\_HOME/opmn/bin/opmnctl
  - (Microsoft Windows) %ORACLE\_HOME%\opmn\bin\opmnctl
- **opmnctl status**  
Allows to determine the status of OPMN-managed processes
  - (-l: Use this option to obtain the uniqueid (uid) value and other specific process parameter information.)
- **opmnctl ping**  
This command enables you to contact the local OPMN server to verify operation.
- **opmnctl start**  
Use this command to start the OPMN server for a local Oracle Application Server instance without starting OPMN-managed processes.
- **opmnctl startall**  
Use this command to start OPMN as well as the OPMN managed processes for a local Oracle Application Server instance.
- **opmnctl stopall**  
Use the command to shut down the OPMN server as well as the OPMN-managed processes for the local Oracle Application Server instance.
- **opmnctl shutdown**  
Use the command to shut down the OPMN server as well as the OPMN-managed processes for the local Oracle Application Server instance.
- **opmnctl reload**  
This command restarts the OPMN server without restarting any Oracle Application Server processes managed by OPMN.
- Complete opmnctl reference can be found in Oracle® Process Manager and Notification Server Administrator's Guide 10g Release 3 (10.1.3) B15976-01

