

Agile

Version e6.1

ORACLE®

# Oracle® Agile Engineering Data Management

Prerequisites Guide for Agile e6.1.1  
Including Pre-Installation Checklist

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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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## TTY Access to Oracle Support Services

Oracle provides dedicated Text Telephone (TTY) access to Oracle Support Services within the United States of America 24 hours a day, 7 days a week. For TTY support, call 800.446.2398. Outside the United States, call +1.407.458.2479.

## 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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# Configuration Support Overview

This chapter summarizes the hardware and software configurations supported by the following Agile e6.1.1 installation components:

- Agile e6.1.1 Server
- Oracle Application Server
- Oracle Database Server
- Java Client, Windows Client, and Web Client

## Agile e6.1.1 Server, Oracle Application Server, and Oracle Database Server Support

The following list shows the platform / operating system configurations supported by the Agile e6.1.1 Server, Oracle Application Server, and Oracle Database Server:

- IBM AIX 5L Version 5.3 (Power PC 4 or higher)
- HP UX 11i v2 (11.23) (PA-RISC 2.0)
- HP UX 11i v3 (11.31) (Itanium 2)
- Sun Solaris 10 (UltraSPARC IIIi or higher)
- SUSE Linux Enterprise Server 10
- Windows 2003 Server (32bit) Enterprise Edition
- Windows 2008 Server (64bit) Enterprise Edition

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**Note** The Agile e6.1.1 Server requires a locally installed 32bit Version of the Oracle Database Client for connections to the Oracle Database Server.

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## About the Supported Oracle Application Server and Oracle Database Server

Oracle Application Server 10g Release 3 (10.1.3.3) and Oracle Database 11g Release 1 (11.1.0.7) are supported.

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**Note** On Windows Server 2008 only the Oracle Application Server 10g Release 3 (10.1.3.4) is supported.

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## Client Support

The following table shows the hardware and software configurations supported by the Agile e6.1.1 clients, as well as the web browsers supported for the Web Client for each configuration.

All supported clients run against the entire supported server platforms described above.

**Note** More information about the different clients can be found in the Architecture Guide and the Online Help. The documentation can be found on the [Oracle Technology Network \(OTN\) Web site](http://www.oracle.com/technology/documentation/agile.html) (<http://www.oracle.com/technology/documentation/agile.html>) and edelivery (<http://edelivery.oracle.com>)

Platform/Operating System	Agile e6.1 Client			
	Windows Client	Java Client	Web Client	Webstart
HP UX 11i v1 (PA-RISC 2.0)	-	Yes	-	Firefox 2.0
HP UX 11i v2 (PA-RISC 2.0)	-	Yes	-	Firefox 2.0
HP UX 11i v3 (Itanium 2)	-	Yes	-	Firefox 2.0
Sun Solaris 10 (UltraSPARC IIIi or higher)	-	Yes	-	Firefox 2.0
IBM AIX 5L Version 5.3 (Power PC 4 or higher)	-	Yes	-	Firefox 2.0
SUSE Linux Enterprise Server 10 (32/64bit)	-	Yes	-	Firefox 2.0
Windows XP Professional (32/64bit)	Yes*	Yes	Internet Explorer 7 and 8 or Firefox 3.0	
Windows Vista (32/64bit)	-	Yes	Internet Explorer 7 and 8 or Firefox 3.0	
Windows Server 2003 Enterprise Edition (32bit)	Yes	Yes	Internet Explorer 7 and 8 or Firefox 3.0	
Windows Server 2008 Enterprise Edition (64bit)	-	Yes	Internet Explorer 7 and 8 or Firefox 3.0	

\* The Windows Client will run in a 32Bit compatibility mode while running on a 64Bit Operating System.

## Chapter 2

# Hardware Requirements

To improve the performance and fault tolerance of your database, Agile recommends that you spread disk space across many smaller drives, rather than a few large drives. A configuration with at least two disk drives is recommended.

## Minimum Network Connectivity and Bandwidth

- TCP / IP and UDP / IP connections between server, client, Oracle Application Server and Oracle Database server(s).
- Network bandwidth for clients via WAN: One exclusive ISDN channel (64 Kbit – without file transfer) is good for 2-4 working clients.
- Add bandwidth for sharing documents via WAN connections.
- 1 GBit/s or higher LAN connection between Oracle Application Server, Oracle Database Server and Agile e6 Server.

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**Note** At a minimum, a TCP/IP loopback device is required.

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## Minimum Memory Requirements

The following recommendations are incremental to the amount of RAM required for other applications and the operating system:

- Client machines: 1 GB

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**Note** If you want to use the Agile e6.1.1 Windows Client, make sure that you have not set the /3GB parameter in the Microsoft boot.ini file.

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- Agile e6 Server machine: 2 GB (without database server)
  - Up to 70 MB per connect
- Oracle Database Server machine: 1GB (3GB if on the same machine where the Agile e6 Server is running)
  - 6 MB per connected user, plus 400 MB for database services
- Oracle Application Server: 2 GB
- Swap space should be a minimum of three times the amount of RAM. On systems with large amounts of memory (more than 1 GB), this can be reduced to two times the amount of RAM.

## Windows Minimum CPU requirements:

For Windows platforms, Intel Pentium 2 GHz equivalent or better.

## Minimum Disk Space

- Oracle Application Server (Software only):
  - Windows: 500 MB
  - Unix: 600 MB up to 2 GB
- Oracle 11g Server (Software only):
  - Windows: up to 3 GB
  - Unix up to 8 GB
- Oracle 11g Client:
  - 500 MB for Windows installations
  - 1 - 3 GB for UNIX installations
- Agile e6 Server: 1 GB
- Windows Client installation on separate machine: 80 MB
- Java Client installation on Windows machine: 40MB
- Java Client installation on UNIX machine: 40 MB
- OfficeSuite: 10 MB

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**Note** For further information please refer to the document Hardware Sizing Recommendations for Agile e6.1.1.

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## Chapter 3

# Required Software and Configurations

## Java Version

Some parts of the software require an installed 32bit Java Software.

See the following table for the required Versions:

Installation Type	Java Runtime Environment (32bit)	
	5.0	6.0
Agile e6.1.1 Server	Yes	-
Windows Client	-	Yes
Java Client	-	Yes
Webstart (on the Client Operating System)	-	Yes

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**Note** The supported Java Runtime Environment on all Operating Systems is the Sun Java except for AIX and HP-UX where the only available Java software is the one which comes with these Operating Systems.

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## Digital Signature

- An official signature, certified by an authorized certification authority, is needed; please refer to: <http://www.verisign.com> (for US); <http://www.trustcenter.de> (for Germany)
- Support of the X509v3 and PKCS12 standard for certificates and private keys

## FileServer

- For Windows the FileServer system must be based on NTFS. FAT is not supported.
- The electronic vault must be created on a local hard disk or on a SAN drive which has redundant connections. (Configure the SAN, you do not share I/O from database and fileserver, Co.



## Chapter 4

# Software Requirements and Configurations

The Agile e6.1 software has been certified under the following operating system configurations. Please look below for the supported configuration on your platforms.

## Windows

The minimum service packs for the supported Windows Operating systems are as follows:

Windows Version	Service Pack
Windows Server 2003 Enterprise Edition 32Bit	SP2
Windows XP Professional 32/64Bit (client only)	SP3
Windows Vista 32/64Bit (client only)	SP2
Windows Server 2008 Enterprise Edition 64Bit	SP2

## IBM AIX

The supported OS Version for the IBM workstation is AIX 5L Version 5.3. This can be tested with the command:

```
oslevel
```

The minimum technology level for the supported AIX Operating system are as follows:

AIX Version	Technology Level
5.3	10 or higher

The AIX file sets bos.adt.base and bos.adt.libm must also be installed:

To determine which operating system file sets are installed enter the following command:

```
lslpp -l [fileset_name]
```

Or, if you enter the following command all file sets are listed:

```
lslpp -l
```

To determine the full operating system version enter the following command:

```
oslevel -s
```

## Web References

- IBM Fixes:  
<http://www.ibm.com/eserver/support/fixes/fixcentral/main/pseries/aix>
- IBM Java Runtime Environment:

<http://www.ibm.com/developerworks/java/jdk/aix/service.html>

## HP-UX

The supported OS Versions for the PA-RISC 2.0 processor architecture are:

- HP-UX 11i v1 (11.11) (client only)
- HP-UX 11i v2 (11.23)

The supported OS Version for the Itanium 2 architecture is:

- HP-UX 11i v3 (11.31)

This can be tested with the command:

```
uname -r
```

The minimum patch bundles for the supported HP-UX Operating systems are as follows:

HP-UX Version	Patches		
	Bundle	Base	Applications
B.11.11	June 2003	December 2007	December 2007
B.11.23	March 2008	June 2009	June 2009
B.11.31	N/A	March 2009	March 2009

### HP-UX 11i v1 (PA-RISC 2.0)

You can check the installed required patch bundle with:

```
swlist -l bundle | grep BUNDLE11i
```

Output should be:

```
BUNDLE11i B.11.11.0306.1 Required Patch Bundle for HP-UX 11i, June 2003
```

You can check the installed base and application patches with:

```
swlist -l bundle | grep GOLD
```

Output should be:

```
GOLDAPPS11i B.11.11.0712.475 Applications Patches for HP-UX 11i v1, December 2007  
GOLDBASE11i B.11.11.0712.475 Base Patches for HP-UX 11i v1, December 2007
```

### HP-UX 11i v2 (PA-RISC 2.0)

You can check the installed required patch bundle with:

```
swlist -l bundle | grep BUNDLE11i
```

Output should be:

```
BUNDLE11i B.11.23.0409.3 Required Patch Bundle for HP-UX 11i v2  
(B.11.23), September 2004
```

You can check the installed base and application patches with:

```
swlist -l bundle | grep QPK
```

Output should be:

```
QPKAPPS B.11.23.0906.079 Applications Patches for HP-UX 11i v2,  
June 2009  
QPKBASE B.11.23.0906.079 Base Quality Pack Bundle for HP-UX 11i v2,  
June 2009
```

## HP-UX 11i v3 (Itanium 2)

The operating system

You can check the installed base and application patches with:

```
swlist -l bundle | grep QPK
```

Output should be:

```
QPKAPPS B.11.31.0903.334a Applications Patches for HP-UX 11i v3,  
March 2009  
QPKBASE B.11.31.0903.334a Base Quality Pack Bundle for HP-UX 11i  
v3, March 2009
```

The following additional patches are required:

- [PHSS 38141](#) aC++ runtime patch
- [PHSS 39094](#) linker + fdp cumulative patch
- [PHSS 39102](#) unwind library cumulative patch
- [PHSS 39827](#) libm cumulative patch

## Web References

- HP-UX Fixes:  
<http://itrc.hp.com/>
- HP Java Runtime Environment:  
<http://www.hp.com/go/java>

## Recommended HP-UX kernel Settings

The HP-UX 11i default value for maximum threads per process is 64. It is recommended that you use the maximum kernel setting for the `max_thread_proc` and `maxusers` parameters. Setting `maxusers` to a higher value increases other machine-wide limits, such as `nkthread` (max number of kernel threads).

The following table shows the recommended configuration of the HP-UX kernel.

Parameter	Old	New	Description
max_thread_proc	64	1024	Maximum threads per process
maxfiles	60	256	Soft file limit per process
maxusers	32	256	Influences other parameters
nkthread	499	3635	Number of threads total on the system
nproc	276	2068	Maximum number of processes
ncallout	292	2084	Number of pending timeouts

If you want to install the Oracle Server on HP-UX, refer to Installation Manual for Oracle 11g for Agile e6.1.1 on UNIX. The values become effective after rebooting.

## Sun Solaris

The supported OS Version for the Sun Servers is Solaris 10. This can be tested with the command:

```
uname -r
```

The minimum patch set for the supported Solaris operating system is as follows:

Solaris Version	Recommended Patches
10	Update 7 (05/2009)

In addition, you will need the SUNWlibC packages to meet the Sun C++ runtime environment requirements. You will also need the following operating system packages to be installed on your Solaris machine:

SUNWarc, SUNWbtool, SUNWhea, SUNWlibm, SUNWlibms, SUNWsprt, SUNWtoo

If you enter `pkginfo -i`, all installed packages are listed.

The exact Version of Solaris 10 can be found in `/etc/release`:

```
cat /etc/release
```

Output should be:

```
Solaris 10 5/09 s10s_u7wos_08 SPARC
Copyright 2009 Sun Microsystems, Inc. All Rights Reserved.
Use is subject to license terms.
Assembled 30 March 2009
```

## Web References

- Sun Java Runtime Environment:

<http://java.sun.com/>

## SUSE Linux Enterprise Server 10 SP 2

The minimum package levels for the supported Linux Operating systems are as follows:

Package	Version
kernel	2.6.16.60-0.27
glibc	2.4-31.61
libstdc++	4.1.2_20070115-0.22

You can test installed versions of rpm packages with:

```
rpm -q -a | grep <package-name>.
```

To determine the amount of RAM memory installed on your system, enter the following command:

```
cat /proc/meminfo | grep MemTotal
```

To determine the bytes of swap space currently configured on your system, enter the following command and multiply the BLOCKS column by 512:

```
/sbin/swapon -s
```

For more information about software configurations and platform matrixes refer to the Agile e6.1 Release Notes – Platform Support document available on e-delivery or the Oracle Technology Network.

