**agile** How Products Become Profits™          EIGNER PLM 5.1

# Eigner PLM 5.1

Prerequisites Guide Includes the Pre-Installation Checklist

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# Chapter 1

# Configuration Support Overview

This chapter summarizes the hardware and software configurations supported by the following Eigner PLM installation components:

❑ PLM Server

❑ PLM Business and Presentation Services

❑ Windows Client, UNIX Client and Web Client

## PLM Server and PLM Business and Presentation Services Support

The following table shows the hardware and software configurations supported by the PLM Server and PLM Business and Presentation Services installation components. A "Yes" in the column for a database system or the PLM Business and Presentation Services component indicates that it can be:

❑ Installed on the given platform/operating system

❑ Used with a PLM Server running on any other supported platform/operating system.

| Platform/Operating System | Database System | | | PLM Business and Presentation Services |
|---|---|---|---|---|
| | Oracle 8*i* (8.1.7.4) | Oracle 9*i* (9.2.0.4) | Microsoft SQL Server 2000, SP3a | |
| HP UX 11.11 (PA-RISC) | Yes | Yes | - | Yes |
| Sun Solaris 8 (SPARC) | Yes | Yes | - | Yes |
| Sun Solaris 9 | - | Yes | - | Yes |
| IBM AIX 4.3.3 | Yes | Yes | - | Yes |
| IBM AIX 5.2L | - | Yes | - | Yes |
| SuSE Enterprise 8 (i386) | - | Yes | - | Yes |
| Windows 2000 Server | Yes | Yes | Yes | Yes |
| Windows 2003 Server (x86) Enterprise Edition | - | Yes | Yes | Yes |

**About the PLM Business and Presentation Services**

The PLM Business and Presentation Services component includes the following:

❑ The Web Presentation Service, which gives users access to Eigner PLM functionality through their web browsers

❑ The Workflow module, which provides a robust and scaleable solution for the automation of business processes in an engineering organization.

For information on administrating the PLM Business and Presentation Services, refer to the *Administration Guide* on the product CD. For information on using Workflow features, refer to the Eigner PLM online Help: *Using Eigner PLM > Workflow.*

## Client Support

The following table shows the hardware and software configurations supported by the Eigner PLM 5.1 clients, as well as the web browsers supported for the Web Client on each configuration. A "Yes" in the column for a client indicates that you can install it on the given server platform.

Note that all supported clients run against all of the supported server platforms described above.

| Platform/Operating System | Eigner PLM Client | | |
|---|---|---|---|
| | Windows Client | UNIX Client | Web Client |
| HP UX 11i (PA-RISC) | - | Yes | Netscape 7.0 |
| Sun Solaris 8 (SPARC) | - | Yes | Netscape 7.0 |
| Sun Solaris 9 (SPARC) | - | Yes | Netscape 7.0 |
| SGI IRIX 6.5.15m (MIPS) | - | Yes | Mozilla 1.0 |
| IBM AIX 4.3.3 | - | Yes | Netscape 7.0 |
| IBM AIX 5.2L | - | Yes | Netscape 7.0 |
| SuSE Linux 7.3, Kernel 2.4.10 (i386) SuSE Enterprise Server 8 (i386) | - | - | - |
| Windows XP Professional | Yes | - | IE 5.5 SP2, IE 6.0 |
| Windows 2000 Professional | Yes | - | IE 5.5 SP2, IE 6.0 |
| Windows 2000 Server | Yes | - | IE 5.5 SP2, IE 6.0 |
| Windows NT Workstation 4.0 with SP6a (Intel) | Yes | - | IE 5.5 SP2, IE 6.0 |

## About the Eigner PLM clients

The Windows Client (also known as the PC Client) is designed specifically for Windows platforms and is installed automatically as a part of the Windows Server installation process. For information on installing the Windows Client on a separate machine from the PLM Server, refer to *Installing the Eigner PLM 5.1 Windows Client.*

The UNIX Client is available for installation on supported UNIX machines from the setup dialog box. For more information, refer to *Installing the Eigner PLM 5.1 UNIX Client* .

The Web Client, which you configure through the Web Presentation Service, is available for use through supported web browsers. For more information, refer to the *Administration Guide.*

> **Note:** All Eigner PLM documentation is available in the `doc` directory on the product CD. The installation documentation is shipped in Adobe® Portable Document Format (PDF). To view the files, use the Adobe Acrobat® Reader® software, which is available at no charge at www.adobe.com.

# Chapter 2

# Hardware Requirements

To read the Eigner PLM 5.1 CD for installation, your installation machine must have a CD-ROM drive that can read ISO 9660 standard format with Rock Ridge extensions. For the DVD install media, you need a drive that supports UPF file system.

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, database and license 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.

❑ 100 MBit/s LAN between database server and Eigner PLM 5.1 application server.

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

## Minimum Memory Requirements

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

❑ Client machines: 128 MB

❑ Eigner PLM Server machine: 256 MB

● Workflow enabled: 23 MB per connect

● Workflow disabled: 18 MB per connect

❑ Database system machine:

● SQL Server: 100 MB for database services

● Oracle: 6 MB per connected user, plus 100 MB for database services

❑ Machine hosting the Web Presentation Service: additional 20 MB plus 6 MB per concurrent user.

❑ 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 450 MHz equivalent or better.

## Minimum Disk Space

- ❑ Eigner PLM Server: 400 MB
- ❑ Eigner PLM FileServer: 100 MB
- ❑ SQL Server: 270 MB
- ❑ SQL Server Client: 70 MB
- ❑ Oracle 9*i* Server:
  - 1,500 MB for Windows installations
  - 2 GB for UNIX installations
- ❑ Oracle 8*i* Client:
  - 650 MB for Windows installations
  - 650 - 1200 MB for UNIX installations
- ❑ Windows Client installation on separate machine: 180 MB
- ❑ UNIX Client installation on separate machine: 170 MB

# Chapter 3

## Module Specific Requirements

### Portals, Client Requirements

❑ Internet Explorer 5.5 with SP2 or 6.0, or Netscape 7.0 or later

❑ Windows 2000/XP External Mail

❑ Your mail application must conform with MAPI and is compatible with Outlook Express and Netscape

❑ Windows 2000/XP only

❑ A display with a resolution of 800 by 600 pixels or higher (1024 by 768 or higher recommended)

**Note:** On some Windows NT 4.0 systems, the file `CTL3D32.DLL` does not exist. This library is necessary for the external browser. If it is missing from your system, copy it from the installation CD to the system folder:

```
cd e:\windows
copy CTL3D32.DLL c:\winnt\system32
```

For Windows NT 4.0 it is necessary to setup system libraries (DLL) before starting the Eigner PLM installation (`setup.bat`). Execute the Microsoft redistribution package to update the system libraries (DLL). You can find the packages for English and German on the Eigner PLM CD, inside the folder `windows`.

```
English:
cd e:\windows\eng
vcredist.exe

German:
cd e:\windows\ger
vcredist.exe
```

### Microsoft NetMeeting, Client Requirements

❑ Windows 2000/XP only

### 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 NTFS based. FAT is not supported.

❑ The electronic vault must be created on a local hard disk.

# Recommended Software Configurations

The Eigner PLM 5.1 software has been certified under the following operating system configurations. Please look below for the supported configuration on your platforms.

## Windows

The recommended service packs for the supported Windows Operating systems are found below:

| Windows Version | Service Pack |
|---|---|
| Windows 2003 Enterprise Server | - |
| Windows XP Professional (client) | SP1 or higher |
| Windows 2000 Professional (client) | SP3 or higher |
| Windows 2000 Server (client & server) | SP3 or higher |
| Windows NT Workstation 4.0 (client) | SP6a (Intel) |

## IBM AIX

The supported OS Versions for the IBM workstation are AIX 4.3.3.0 and 5.2.0, this can be tested with the command:

```
$ oslevel
```

## IBM AIX 4.3.3

Be aware that IBM AIX 4.3.3 will be de-supported with the next major release.

The maintenance level must be at least 09 with some additions, please see below:

```
$ instfix -ik 4330-09_AIX_ML
```

All filesets for 4330-09_AIX_ML were found.

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

To determine which operating system filesets are installed, enter the following command:

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

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

    $lslpp -l

To determine which operating system patches are installed, enter the following command:

    $ instfix -a

To determine if a patch has been installed, enter the following command:

    $ instfix -ivk APAR_number

See instructions on AIX-Maintenance-Fixes site (see below).

You can get these filesets as APAR IY22024.

Next you need the C++-Runtime Environment APAR IY17981and the "June 2002 C++ Runtime PTF" APAR IY31759, you can get it at the AIX-Fixes site

> **CAUTION:** Due to possible incompatibilities with Catia, which is not supported with  the VisualAge C++ 6.0 runtime replacing the 5.1 runtime files in IY31759, you have to delete the xlC.*.6.* files from the downloaded archive prior to installation.

Including these filesets would exceed the capacity of this distribution and break the license agreement with IBM!

## IBM AIX 5.2

The maintenance level must be at least 01 with some additions, please see below:

    $ lslpp -l bos.adt.base bos.adt.lib bos.adt.libm bos.perf.perfstat

```
 Fileset              Level  State    Description        --------------------------------------------------------------------
Path: /usr/lib/objrepos
 bos.adt.base    5.2.0.10  COMMITTED  Base Application Development
                          Toolkit
 bos.adt.lib      5.2.0.10  COMMITTED  Base Application Development
                          Libraries
 bos.adt.libm    5.2.0.10  COMMITTED  Base Application Development
                          Math Library
 bos.perf.perfstat  5.2.0.10  COMMITTED  Performance Statistics
                          Interface
Path: /etc/objrepos
 bos.perf.perfstat  5.2.0.10  COMMITTED  Performance Statistics
                          Interface
```

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

To determine which operating system filesets are installed, enter the following command:

    $ lslpp -l [fileset_name]

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

    $lslpp -l

To determine which operating system patches are installed, enter the following command:

    $ instfix -a

To determine if a patch has been installed, enter the following command:

```
$ instfix -ivk APAR_number
```

## Web references

AIX-Maintenance-Fixes:
http://techsupport.services.ibm.com/rs6k/ml.fixes.html

AIX-Fixes:
http://techsupport.services.ibm.com/rs6k/fixdb.html

http://www.ibm.com/eserver/support/fixes/search.jsp.

IBM-JDK:
http://www.ibm.com/developerworks/java/jdk/aix/index.html

## HP-UX 11.11

The Patchbundles from the HP-UX SupportPlus CD December/2001 CD-No 5012-0015, KIT No. 5065-8711 are required. You can check this on your workstation with:

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

Output should be:

```
GOLDAPPS11i      B.11.11.0112.6 Gold Applications Patches for HP-UX 11i, December 2001
GOLDBASE11i      B.11.11.0112.6 Gold Base Patches for HP-UX 11i, December 2001
```

These Bundles contain the necessary patches PHCO-24400 'libc cumulative patches'. In addition, you should install patch PHSS_24638 to update the C++ runtime libraries. You can check this on your workstation with:

```
$ swlist -l patch | grep PHSS_24638
```

This should show you the following patches applied:

```
PHSS_24638.CORE-64SLIB    1.0 OS-Core.CORE-64SLIB    applied

PHSS_24638.CORE-SHLIBS    1.0 OS-Core.CORE-SHLIBS    applied

# PHSS_24638  1.0 HP aC++ -AA runtime libraries (aCC A.03.33)

# PHSS_24638.CORE-64SLIB  1.0 OS-Core.CORE-64SLIB    applied

# PHSS_24638.CORE-SHLIBS  1.0 OS-Core.CORE-SHLIBS    applied

# PHSS_24638.LANG-64ALIB  1.0 B.11.11               applied

# PHSS_24638.LANG-MIN     1.0 B.11.11               applied

PHSS_24638.LANG-64ALIB    1.0 B.11.11               applied

PHSS_24638.LANG-MIN       1.0 B.11.11               applied
```

### Recommended HP-UX kernel settings

The HP-UX 11i default value for maximum threads per process is 64. Agile recommends 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 *Installing Oracle 9i for Eigner PLM on UNIX* for further kernel adaptations. The values are valid after the next reboot.

## SGI IRIX 6.5.15m

On SGI, the minimum OS level supported is IRIX 6.5.15m with the 'System V Release 4 Networking' and the 'C++ Execution Environment' version 7.3.1.3m installed. The CD-Bundle must be obtained from SGI-Support.

Networking Software eoe.sw.svr4net subsystem must be installed.

Use following command to check the base operating-systems version and networking software:

```
$showprods -d eoe
```

```
I = Installed, R = Removed
```

This should show you:

| I/R | Name | Date | Description |
|---|---|---|---|
| I | Eoe | 01/08/2002 0500 | IRIX Execution Environment, 6.5.15m |
| I | eoe.books | 01/08/2002 0500 | IRIX Execution Environment Books |

| I/R | Name | Date | Description |
|-----|------|------|-------------|
| I | eoe.books.help | 01/08/2002 0500 | IRIX Help Books |
| I | eoe.books.sgi_admin | 01/08/2002 0500 | IRIX SGI_Admin Books |
| I | eoe.man | 01/08/2002 0500 | IRIX Execution Environment Man Pages |
| I | eoe.man.base | 01/08/2002 0500 | Basic IRIX Man Pages |
| I | eoe.man.gifts_perl | 04/13/1998 0100 | Perl Man Pages |
| I | eoe.man.gltools | 04/13/1998 0100 | Graphics Library Tools Man Pages |
| I | eoe.man.relnotes | 01/08/2002 0500 | IRIX Release Notes |
| I | eoe.sw | 01/08/2002 0500 | IRIX Execution Environment Software |
| I | eoe.sw.acl | 01/08/2002 0500 | Access Control Lists |
| I | eoe.sw.base | 01/08/2002 0500 | IRIX Base Execution Environment |
| I | eoe.sw.cdrom | 01/08/2002 0500 | CD-ROM Filesystem and CD audio Support |
| I | eoe.sw.cpr | 01/08/2002 0500 | SGI Checkpoint-Restart Software |
| I | eoe.sw.dlpi | 01/08/2002 0500 | Data Link Provider Interface |
| I | eoe.sw.efs | 01/08/2002 0500 | EFS Filesystem |
| I | eoe.sw.gfx | 01/08/2002 0500 | Graphics Execution Environment |
| I | eoe.sw.gifts_perl | 04/13/1998 0100 | Perl Software |
| I | eoe.sw.gifts_perl_lib | 01/08/2002 0500 | Perl Libraries |
| I | eoe.sw.gltools | 01/08/2002 0500 | Graphics Library Tools |
| I | eoe.sw.perf | 01/08/2002 0500 | Performance Measurement Utilities |
| I | eoe.sw.rm_media | 01/08/2002 0500 | Removable Media Software |
| I | eoe.sw.svr4net | 01/08/2002 0500 | System V Release 4 Networking |
| I | eoe.sw.termbase | 04/13/1998 0100 | Base (required) Terminal Information Files |

| I/R | Name | Date | Description |
|---|---|---|---|
| | | | Information Files |
| I | eoe.sw.terminfo | 04/13/1998 0100 | Terminal Information Files |
| I | eoe.sw.usrshare | 01/08/2002 0500 | Miscellaneous shared text/help/data files |
| I | eoe.sw64 | 01/08/2002 0500 | EOE 64bit Libraries |
| I | eoe.sw64.gfx | 01/08/2002 0500 | Graphics 64bit Execution Environment |
| I | eoe.sw64.lib | 01/08/2002 0500 | IRIX 64bit Libraries |

You will also need to verify the correct C++ environment is installed. This can be done on your workstation with:

$showprods -d c++_eoe (c++<underscore>eoe).

I = Installed, R = Removed

This should show you:

| I/R | Name | Date | Description |
|---|---|---|---|
| I | c++_eoe | 11/21/2001 0300 | Standard Execution Environment (C++ Headers and Libraries, 7.3.1.3m) |
| I | c++_eoe.man | 11/21/2001 0300 | Standard Execution Manual Pages (C++) |
| I | c++_eoe.man.relnotes | 11/21/2001 0300 | Standard Execution Libraries Release Notes (C++) |
| I | c++_eoe.sw | 11/21/2001 0300 | Standard Execution Software (C++) |
| I | c++_eoe.sw.lib | 11/21/2001 0300 | Standard Execution Libraries (C++) |
| I | c++_eoe.sw64 | 11/21/2001 0300 | Standard Execution Software (C++) (64bit) |
| I | c++_eoe.sw64.lib | 11/21/2001 0300 | Standard Execution Libraries (C++) (64bit) |

## Sun Solaris

Solaris 8 (SunOS 5.8) with the recommended patches cluster installed from the SunSolve CD January / 2002 rel. 5.1.4 is the supported Solaris version and Solaris 9 12/02 with recommended patches (state: Apr/22/03).

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, SUNWsprot, SUNWtoo

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

### Required operating system patches for Sun Solaris 8

| Operating System | Number | Purpose |
|---|---|---|
| Solaris 8 | 108434-01 | Shared Library patch for C++ |
|  | 108435-01 | Shared Library patch for 64bit C++ |

### Patches included in the Cluster for Sun Solaris 9

```
113319-05   SunOS 5.9: patch /usr/lib/libnsl.so.1
114008-01   SunOS 5.9: cachefsd Patch
112998-02   SunOS 5.9: patch /usr/sbin/syslogd
112875-01   SunOS 5.9: patch /usr/lib/netsvc/rwall/rpc.rwalld
112785-13   X11 6.6.1: Xsun patch
112970-03   SunOS 5.9: patch libresolv.so.2
113146-01   SunOS 5.9: Apache Security Patch
113068-01   SunOS 5.9: hpc3130 patch
112963-06   SunOS 5.9: linker patch
113273-02   SunOS 5.9: /usr/lib/ssh/sshd Patch
112233-04   SunOS 5.9: Kernel Patch
112951-05   SunOS 5.9: patchadd and patchrm Patch
112964-03   SunOS 5.9: ksh patch
112808-03   OpenWindows 3.6.3: Tooltalk patch
113492-01   SunOS 5.9: fsck Patch
113279-01   SunOS 5.9: klmmod Patch
113278-01   SunOS 5.9: NFS Daemon Patch
113023-01   SunOS 5.9: Broken preremove scripts in S9 ALC packages
112764-06   SunOS 5.9: Sun Quad FastEthernet qfe driver
113033-03   SunOS 5.9: patch /kernel/drv/isp and /kernel/drv/sparcv9/isp
113333-02   SunOS 5.9: libmeta Patch
114359-01   SunOS 5.9: mc-us3 Patch
113579-01   SunOS 5.9: ypserv/ypxfrd Patch
112601-04   SunOS 5.9: PGX32 Graphics
113923-02   X11 6.6.1: security font server patch
113993-01   SunOS 5.9: mkfs Patch
112817-06   SunOS 5.9: Sun GigaSwift Ethernet 1.0 driver patch
113718-01   SunOS 5.9: usr/lib/utmp_update Patch
114135-01   SunOS 5.9: at utility Patch
```

```
114133-01   SunOS 5.9: mail Patch
114153-01   SunOS 5.9: Japanese SunOS 4.x Binary Compatibility(BCP) patch
113454-04   SunOS 5.9: ufs Patch
113575-04   SunOS 5.9: sendmail Patch
113713-03   SunOS 5.9: pkginstall Patch
112902-11   SunOS 5.9: kernel/drv/ip Patch
112975-02   SunOS 5.9: patch /kernel/sys/kaio
114564-01   SunOS 5.9: /usr/sbin/in.ftpd Patch
114713-01   SunOS 5.9: newtask Patch
114497-01   CDE 1.5: dtsession patch
114721-01   SunOS 5.9: usr/lib/fs/ufs/ufsrestore Patch
114684-01   SunOS 5.9: samba Patch
112834-02   SunOS 5.9: patch scsi
112907-01   SunOS 5.9: libgss Patch
113277-08   SunOS 5.9: sd and ssd Patch
112908-07   SunOS 5.9: gl_kmech_krb5 Patch
```

To verify installed patches on your SUN system, enter:

$ showrev –p

## SuSE Enterprise Server 8

Agile used SuSE Enterprise Server 8 for compilation of the Eigner PLM software-packages.

Installed kernel version was 2.4.19, glibc-2.2.5, version was libstdc++-3.2.2-5. 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 further help on installation and configuration of Oracle 9iR2 on SuSE Linux see:

http://www.suse.com/us/support/oracle/index.html

For more information about software configurations, refer to the Customer Support page:

http://www.agile.com/support

# Pre-Installation Checklist

As a courtesy to you, we have provided a pre-installation checklist to help you prepare for your installation. If Agile project managers will assist you with the installation, you will need to complete this checklist and return it to them before the planned installation date.

## Company and IT Structure

Company Name:                              _____

Company Address:                           _____

                                           _____

System Administrator:                      _____

Phone                                      _____

Fax:                                       _____

Email:                                     _____

Database Administrator:                    _____

Phone                                      _____

Fax:                                       _____

Email:                                     _____

Eigner PLM Administrator:                  _____

Phone                                      _____

Fax:                                       _____

Email:                                     _____

## Installation Media

Please verify:

❑    We are able to mount and read CDROMS (ISO9660 with rrip) local on each target machine for the Eigner PLM 5.1 installation.

## Node for License Manager

The License manager should be installed on the following target node:

Node Name: _____

Operating System (uname –a or _____
Windows version):

UCHOSTID (as shown by uchostid): _____

       **Note:** Make sure that you run the uchostid program as Administrator (NT) or as root (UNIX) on the license manager node.

Please check:

❑     The operating system on the target machine for the license server is supported. Please refer to Section "PLM Server and PLM Business and Presentation Services Support".

For more information regarding the License Manager, please refer to the section "Licensing Overview" in the Eigner PLM Installation Overview.

## Target Platforms

Please check:

❑     The operating system, database, and patch sets on all target machines are compliant with the currently supported versions. Refer to sections 1, 2 and 4 of this document.

Please check for UNIX only:

❑     portmapper is running

❑     lockd is running

❑     statd is running

❑     Database – client installation is already installed and configured

❑     C-Shell is installed (Linux:tcsh)

❑     X11 is installed

❑     up-to-date C++ libraries are installed

For both Windows and UNIX:

Please list nodename(s) and version(s) of all target platforms (uname –a or Windows version):

Node Name: _____

Operating System: _____

Node Name: _____

Operating System: _____

Node Name: _____

Operating System:                    _____

Node Name:                           _____

Operating System:                    _____

Node Name:                           _____

Operating System:                    _____

Node Name:                           _____

Operating System:                    _____

Node Name:                           _____

Operating System:                    _____

Node Name:                           _____

Operating System:                    _____

## System Administration Requirements

Please check:

❑ A system administrator prepared to login as root (UNIX) and/or (Domain)Administrator (Windows) is available to assist for system specific parts of the installation at any time during the installation process.

❑ Recovery procedures for installation nodes and trained personnel for recovery are available at any time during the installation process.

❑ Nodes can be rebooted prior to the installation

❑ Nodes can be rebooted for startup testing after and during installation

System Administrator Contact:

Name:                                _____

Phone:                               _____

Fax                                  _____

Email:                               _____

## Database Administration Requirements

Please check:

❑ The system requirements are met on all target machines running a database or a database client installation as listed earlier in this document.

❑ Recovery procedures for database nodes/databases and trained personnel for recovery are available any time during the installation process.

Database software:

❑ The database software is already installed and supported as shown earlier in this document.

or

❑ You have purchased you database software through Agile and it will be installed and configured as part of the contracted installation.

❑ A database administrator who is prepared to log in as database administrator is available to assist for database specific parts of the installation any time during the installation process (for example, to create database users and tablespaces).

Database administrator contact:


Name: _____

Phone: _____

Fax _____

Email: _____


Checklist filled out by:

Name: _____

Phone: _____

Fax _____

Email: _____


_____

City, Date                                    Signature