



System Requirements

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System Requirements

Before you Install Proliance

Please read the System Requirements to ensure that the servers and client computers meet the following minimum or recommended requirements, and that the versions for the following applications are already installed and functioning correctly.

IMPORTANT: Proliance can run error free on relatively modest equipment under light user and small data loads. However, overall performance is dramatically improved with the appropriate equipment. In addition, many clients are now using virtual images in many aspects of a Proliance installation. Such an environment requires a significantly different hardware profile than listed in this document.

A system sizing and layout review with Meridian Systems is highly recommended before undertaking a substantial investment in hardware and software to support a Proliance installation.

Proliance Web Server Software

- Microsoft® Windows® 2003 with Service Pack 2 (SP2) (32 bit or 64 bit)
- or -
- Microsoft® Windows® 2003 R1 with Service Pack 2 (SP2) (32 bit or 64 bit)
- or -
- Microsoft® Windows® 2008 with Service Pack 1 (SP1) or Service Pack 2 (SP2)(32 bit and 64 bit)
- or -
- Microsoft® Windows® 2008 R2 64 bit

NOTE: For a new Proliance install, if you attempt to install other operating system versions, the Proliance installer will fail with the following error message:

This version of Proliance can only be installed on a Microsoft operating system that is specified in the "Proliance System Requirements.pdf".

- Microsoft® .NET Framework 3.5 SP1.
- Web Services Enhancements for Microsoft® .NET (WSE) version 3.0
- Microsoft® Internet Information Services (IIS) version 6, version 7 or version 7.5
- Microsoft SQL Native Client 2005 or 2008
- Microsoft SQL Server Command Line Query Utility (SQLCMD)

It is recommended to reboot the server after installing the Microsoft SQL Server Command Line Query Utility (SQLCMD).

NOTES:

- The SDK should only be installed for troubleshooting purposes.
- If an SDK is required, ensure that the version installed corresponds to the .NET Framework version. For example, if the .NET 3.5 SP1 framework is installed, then the .NET 3.5 SP1 SDK should also be installed to provide configuration and management tools for the framework.

Proliance Web Server Hardware

The Web Server is the outward facing component of Proliance. It houses the business functionality of Proliance, as well as the web interface to the outside world. The appropriate sizing and number of Web Servers depend on number of concurrent users, the web traffic, the data loads and many other factors.

Minimum

- Intel® Xeon®, 2 GHz
- 2 GB RAM
- 1 GB free disk space

Recommended

- Intel® Xeon® E5450, 3 GHz (or higher)
- 4 GB RAM
- 2 GB free disk space (or higher) for software installation; many more GB for good OS performance.

Database Server Software and Hardware

Reasonable database performance is required for optimal Proliance end-user experience, including the “size of the pipe” between the database and the Web Servers. There is a huge range of implementation options available.

Software

Microsoft SQL Server 2005

-- or --

Microsoft SQL Server 2008 SP1 (compatibility levels must be set to 90)*

* SQL Server 2008 SP1 is required if using SQL server encryption

Hardware (minimum requirements)

- 2 Dual-Core Intel Xeon 2.8GHz
- 4 GB RAM
- RAID array for database data files ; size depends on the initial volume of data
- Separate physical disk or RAID array for database transaction log file(e.g., at least 100 GB) from database data file
- (recommended) Separate fast I/O disk or RAID for tempdb database

Hardware (recommended requirements)

- 1 X Quad Core Nehalem based Xeon
- 8 - 16 GB RAM - Depends on the expected database size
- 64-bit machines (OS and SQL)
- RAID array for database data files; size depends on the initial volume of data
- Separate physical disk or RAID array for database transaction log file (e.g., at least 100 GB) from database data file
- (Recommended) Separate fast I/O disk or RAID for tempdb database

Please refer to the [Capacity and Storage Management](#) guide for SQL Server for more information.

Client Software

Required

- Any Windows Operating System capable of running a supported version of Internet Explorer
- Microsoft® Internet Explorer 6.0
— or —
Microsoft® Internet Explorer 6.01
— or —
Microsoft® Internet Explorer 7.0
— or —
Internet Explorer 8.0

NOTE: Although Proliance works with IE 8, there are known issues with Cognos as Cognos ReportNet is currently not compatible with Internet Explorer 8.0. As a workaround, in IE 8, add 'http://analytics.prolianceondemand.com/' as a Trusted Site, then set the Custom Level 'Enable XSS filter' to 'Disabled'.

To configure IE for using Scheduling, enable the setting "Security Settings - Internet Zone (Tools>Internet Options>Custom Level>Security Settings - Internet Zone).

- .NET Framework 2.0 (2.0 or 3.5 if using Batch Uploader)

Optional

- Microsoft® Office 2003 or 2007 Professional Edition
— or —
Microsoft® Word 2003 or 2007 standalone
Microsoft® Excel 2003 or 2007 standalone

Client Hardware

The overall experience of the user can be dramatically enhanced using reasonably modern hardware. Although Proliance technically runs without error on fairly low-end client equipment, it will do so unacceptably slow. Many features that execute on the client computer are designed to improve usability and the overall user experience. As a

reference, any computer that runs MS Office 2003 adequately should handle the Proliance Web Interface adequately as well.

Minimum

- Intel® Pentium® D 3.4 GHz
- 1 GB RAM
- Limited disk space is required for Proliance client operations.

Recommended

- Intel® Core II Duo T7200, 2 GHz or higher
- 2 GB RAM
- Lots of free disk space for Windows and IE performance optimization.

NOTES:

- The SDK should only be installed for troubleshooting purposes.
- If an SDK is required, ensure that the version installed corresponds to the .NET Framework version. For example, if the .NET 3.5 SP1 framework is installed, then the .NET 3.5 SP1 SDK should also be installed to provide configuration and management tools for the framework.

Client Bandwidth

Meridian Systems recommends that you use an Internet connection with a capacity of 1 Mbps or greater to access Proliance. Certain activities on the client machine are dramatically affected by the network speed between the client and the server.

Brava! .NET System Requirements

The Proliance file management feature uses Brava! .NET to display the contents of uploaded files in your web browser. If you do not install Brava, you cannot view or redline your uploaded files directly in Proliance.

Please ensure that the server on which Brava! Enterprise .NET Server and the Brava Net-It Enterprise .NET Job Processor will be installed and all client computers meet the following requirements, and that the indicated versions of the following applications are already installed and functioning correctly before installing any Brava! .NET components.

Please note the performance of Brava! is significantly affected by the size and types of files being presented to the user. Larger and more sophisticated files demand more from the hardware.

NOTE: These third-party requirements are meant as guidelines only for easy reference. For the definitive requirements, please see the documentation that came with your third-party software.

Brava! Enterprise .NET Server

- Intel® Xeon® 3.00 GHz
- 4 GB RAM
- 1 GB temporary disk space to install, 200 MB permanent disk space
- Microsoft® Windows 2003 Server (SP1) with IIS 6.0 installed. The Application Server role must be applied to the 2003 Server without FrontPage Server Extensions and with ASP.NET enabled).

NOTE: These third-party requirements are meant as guidelines only for easy reference. For the definitive requirements, please see the documentation that came with your third-party software.

Brava! Net-It Enterprise .NET Job Processor

- Intel® Xeon® 3.00 GHz
- 4 GB RAM
- 2 GB temporary disk space to install, 200 MB permanent disk space
- Microsoft® Windows 2000 Pro (with Service Pack 3), Windows XP Pro, or Windows Server 2003 (Web, Standard, Enterprise, or Datacenter Edition).
- TCP/IP enabled
- Access to the Brava! Enterprise .NET Server machines
- Microsoft® Office® must be installed on the Net-It Enterprise .NET Job Processor if you require Brava .NET to support MS Office files types.

NOTE: Microsoft Office 2003 is the recommended version, but Office 2000 and XP are also supported.

Brava! Client

The same requirements as the Proliance [Client Software](#), plus

- Allow the Brava! ActiveX control to run within Internet Explorer.

Microsoft® Word Requirements for Custom Print Layouts

Creation: Microsoft® Word 2003 Professional

Viewing: Microsoft® Word 2003 Standard or Professional editions or Microsoft® Office Word Viewer

NOTE: CPLs can also be created and run using both Microsoft® Word 2003 and 2007 Standard and Professional editions. In Microsoft® Word 2007, ensure that you save the file in Word 2003 .xml format.

Microsoft Word Viewer 2003 Support

You can view CPLs created with Microsoft Word 2003 Professional via the [Microsoft Office Word Viewer 2003](#), a no-cost download from Microsoft. It enables users without Microsoft Word 2003 installed to view Word-based XML documents. CPLs accessed via this viewer will have the same format and content as if they were run on Microsoft Word 2003.

NOTE: CPLs can also be created and run using both Microsoft Word 2003 and 2007 Standard and Professional editions. In Microsoft Word 2007, ensure that you save the file in Word 2003 .xml format.

Java Client Component Requirements

This section lists the basic requirements for deployment of Sun Microsystems Java client components, including Java (.jar) files, firewall security settings, Java applet installations, Microsoft® Internet Explorer Settings, etc. These Java components are required to successfully run Proliance Scheduling.

General Client Requirements to run Java Components

- Microsoft® Windows XP or Vista. Earlier versions may also work.
- Microsoft® Internet Explorer 6.01 or Microsoft® Internet Explorer 7.0 or Internet Explorer 8.0

Java Applet Requirements

Proliance uses of a Java applet called "Scheduling" (scheduler.jar) that provides a user interface experience not possible with traditional HTML-based applications. This applet does not require access to any local client resources.

The Java applet requires the following component:

- Java 6 Runtime Environment (JRE)

NOTE: Proliance is designed to run with version 6 (or any version 6 sub version) of Java, which automatically downloads when required. It is recommended that you run Proliance on clients with the most recent Java 6 subversion. Java 6, latest subversion, can be downloaded and installed from:

- Automatic installation: <http://java.com/> , and then press "Free Java Download" button.
- Manual download and installation (offline and online installers): <http://java.com/en/download/manual.jsp>

The download occurs via HTTP (i.e., port 80 or 443 for SSL). The applets are signed with a certificate to prove their authenticity.

IMPORTANT: For details on the installation and configuration of Java client components please see the "Post Installation Configuration" section of your Proliance Installation Guide.

NOTE: These third-party requirements are meant as guidelines only for easy reference. For the definitive requirements, please see the documentation that came with your third-party software.

Office Business Apps (OBA)

Proliance Office Business Apps (OBAs) are solutions which extend benefits offered by Microsoft Office products to Proliance systems. Using Proliance OBAs, users are able to access, input, and modify Proliance documents using familiar interfaces such as Microsoft Word and Microsoft Excel.

Software Requirements

- Microsoft .NET runtime version 2.0 or later
- Microsoft Office 2003 or 2007 (Professional)
- Microsoft Office 2003 or 2007 Primary Interop Assemblies
- Microsoft Web Services Enhancements 2.0 Service Pack 3 or later
- Microsoft Windows XP SP2, Vista, Windows 7

Hardware Requirements

Minimum

- Intel® Pentium® D 3.4 GHz
- 1 GB RAM
- Limited disk space is required for Proliance client operations.

Recommended

- Intel® Core II Duo T7200, 2 GHz or higher
- 2 GB RAM
- Lots of free disk space for Windows and IE performance optimization.

QuickApps

Proliance QuickApps are Microsoft Windows-based applications designed to provide Proliance users the ability to automate and/or increase the efficiency of a specific task.

Software Requirements

- Microsoft .NET runtime version 2.0 or later
- Microsoft Web Services Enhancements 2.0 Service Pack 3 or later
- Microsoft Windows XP SP2, Vista

Hardware Requirements

Minimum

- Intel® Pentium® D 3.4 GHz
- 1 GB RAM
- Limited disk space is required for Proliance client operations.

Recommended

- Intel® Core II Duo T7200, 2 GHz or higher
- 2 GB RAM

- Lots of free disk space for Windows and IE performance optimization.

Proliance Analytics System Requirements

This section details the minimum hardware and software that is required to run Proliance Analytics and Cognos ReportNet:

For a full breakdown of ReportNet's supported software environments, please consult

http://support.cognos.com/en/support/products/cm101_software_environments.html

NOTE: These third-party requirements are meant as guidelines only for easy reference. For the definitive requirements, please see the documentation that came with your third-party software.

Proliance Analytics Web Server

Hardware

See [Proliance Web Server Hardware - Recommended](#)

Software

See [Proliance Web Server Software](#)

Cognos Server

Hardware

- Pentium IV – 2.4GHz
- Minimum 2 GB of RAM
- Minimum 2.5 GB of free space is required to install software
- Minimum 4 GB of free space on the drive that contains the temporary directory used by IBM Cognos components

Software

- Windows 2000 or 2003 (With Service Pack 1 Applied)
- DB2 and SQL Server.
- Cognos ReportNet 1.1 MR3 or Cognos 8.1.2 MR2, 8.2, 8.3, or 8.4

Cognos Client

See [Client Hardware](#) and [Client Software](#).

Plus:

Data Dynamics® Active Reports™ Viewer

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