

### Overview

Microsoft® Windows® Server 2008 is Microsoft's next generation operating system designed to be the most flexible and robust Windows Server operating system to date. Windows Server 2008 provides powerful improvements to the base operating system over Windows Server 2003. Notable improvements include those to networking, advanced security features, remote application access, centralized server role management, performance and reliability monitoring tools, failover clustering, deployment, and the file system. For more information, please visit: <http://www.microsoft.com/windowsserver2008/default.mspx>.

ProLiant server and option products are rigorously tested and certified for Windows Server 2008. For a complete list of supported ProLiant servers, visit the OS support matrix at: [www.hp.com/go/windowscert](http://www.hp.com/go/windowscert).

HP Windows Server 2008 OEM licenses are available for purchase from HP or your local authorized reseller

- Available OEM licenses: Web Server 2008, Standard Edition with Hyper-V, Enterprise Edition with Hyper-V, Datacenter Edition (2P) with Hyper-V  
**NOTE:** Please see the "Virtualization" section in the Product Features section for additional information regarding Hyper-V.
- All Windows Server 2008 kits include:
  - 32-bit and x64 DVD media
  - Documentation on CD
  - CALs or Client Access Licenses: 5 Client Access Licenses for Standard Edition, 25 Client Access Licenses for Enterprise Edition, or 1 for Datacenter Edition. Client licenses are not required for Web Server.
  - Certificate of Authenticity (COA) – Sticker that contains your product key and is affixed to your server. The COA is your proof of license for the operating system
- From HP: Available for purchase at the time of your ProLiant server purchase as pre-installed on select HP ProLiant 100 and 300 series servers or Non-preinstalled (drop in the box) with the operating system DVDs included with the server. Both 32-bit and 64-bit versions are pre-installed - customer decides which to keep. The other is deleted. Client access licenses (CALs) are also available for purchase in addition to your server purchase or for a later purchase. **Please be sure to review the minimum and maximum system requirements for Windows Server 2008 at the Microsoft website listed above.**
- From your local authorized reseller: Available for purchase with your preferred ProLiant server as a Windows Reseller Option Kit or ROK.

HP OEM License Activation requirements:

- Reseller Option Kit product licenses and OEM customers who have replaced their motherboards as result of warranty will require activation of their licenses directly with Microsoft. Customers will receive an activation alert upon installation of the OS and have 30-days from OS installation to complete the activation. Activation requires the following simple steps: Select activation via phone or internet, provide the product key, and license is confirmed and activated. For more information on Microsoft license activation, visit <http://www.microsoft.com/piracy/mpa.aspx>

**NOTE:** For more information on HP's offering of Windows Server 2008 products, go to: <http://www.hp.com/go/ws2008>.

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### What's New

- Adding new offer for Remote Desktop Services which replace TS CALs for Windows Server 2008 R2

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### Models

#### Windows Server 2008 Standard Edition Pre-Installed on ProLiant 300 Series Servers

**NOTE:** All Standard Edition part numbers include 5 client access licenses. 32-bit and x64 DVD media, and COA.  
Sold only as a configurable option with a ProLiant server purchase.

Windows Server 2008 Standard Edition

468716-xxx



Overview

Language Code Key for 468716-xxx	xxx = 041	German
	xxx = 051	French
	xxx = 061	Italian
	xxx = 071	Spanish
	xxx = 291	Japanese
	xxx = AA1	Simplified Chinese
	xxx = B21	English

Windows Server 2008 Standard Edition, Academic Edition (Available in the US only for Government and Educational institutions, English Only) 468717-001

Windows Server 2008 Standard Edition  
Pre-Installed on ProLiant 100 Series Servers

NOTE: All Standard Edition part numbers include 5 client access licenses, 32-bit and x64 DVD media, and COA. Sold only as a configurable option with a ProLiant server purchase.

Windows Server 2008 Standard Edition 468718-xxx

Language Code Key for 468718-xxx	xxx = 041	German
	xxx = 051	French
	xxx = 061	Italian
	xxx = 071	Spanish
	xxx = 291	Japanese
	xxx = AA1	Simplified Chinese
	xxx = B21	English

Windows Server 2008 Standard Edition, Academic Edition (US, English Only) 468719-001

Windows Web Server 2008  
OS Not Pre-Installed

NOTE: English, Includes 32-bit and x64 DVD media, and COA. Sold only sold as a configurable option with a ProLiant server purchase. 468720-B21

Windows Server 2008 Standard Edition  
OS Not Pre-Installed

NOTE: All Standard Edition part numbers include 5 client access licenses, 32-bit and x64 DVD media, and COA. Sold only as a configurable option with a ProLiant server purchase.

Windows Server 2008 Standard Edition 468721-xxx

Language Code Key for 468721-xxx	xxx = 041	German
	xxx = 051	French
	xxx = 061	Italian
	xxx = 071	Spanish
	xxx = 291	Japanese
	xxx = AA1	Simplified Chinese
	xxx = B21	English



Overview

Windows Server 2008 Standard Edition, Academic Edition (US Only) 468722-001

Windows Server 2008 Enterprise Edition  
OS Not Pre-Installed

**NOTE:** All Enterprise Edition part numbers include 25 client access licenses, 32-bit and x64 DVD media, and COA. Sold only as a configurable option with a ProLiant server purchase.

Windows Server 2008 Enterprise Edition 468723-xxx

Language Code Key for	xxx = 291	Japanese
468723-xxx	xxx = AA1	Simplified Chinese
	xxx = B21	English

Windows Server 2008 Datacenter Edition 1 CAL (Not Pre-installed)

**NOTE:** All Datacenter Edition part numbers include 1 client access license, 32-bit and x64 DVD media, and COA. Sold only as a configurable option with a ProLiant server purchase.

Windows Server 2008 Datacenter Edition 2p Non Preinstall 498160-xxx

Language Code Key for	xxx = B21	English
498160-xxx	xxx = 291	Japanese

Windows Server 2008 Datacenter Edition 4p Japanese Non Preinstall 508194-291

Windows Server 2008 Standard Edition Reseller Option Kit

**NOTE:** Available for purchase from your local HP authorized reseller. Standard Edition includes 5 client access licenses, 32-bit and x64 DVD media, and COA. Reseller must affix the COA to the server and may preinstall the OS before delivery of the server. 468724-xxx

Language Code Key for	xxx = B21	English
468724-xxx	xxx = 041	German
	xxx = 051	French
	xxx = 071	Spanish
	xxx = 291	Japanese
	xxx = AA1	Simplified Chinese
	xxx = AB1	Traditional Chinese
	xxx = AD1	Korean

Windows Server 2008 Standard Edition Reseller Option Kit 468725-B21

**NOTE:** Italian, Russian, Portuguese, Dutch, Swedish

Windows Server 2008 Standard Edition Reseller Option Kit 468726-B21

**NOTE:** Turkish, Czechoslovakia, Polish, Hungarian

Windows Server 2008 Enterprise Edition Reseller Option Kit

**NOTE:** Available for purchase from your HP local authorized reseller. Enterprise Edition includes 25 client access licenses, 32-bit and x64 DVD media, and COA. Reseller must affix the COA to the server and may preinstall the OS before delivery of the server. 468727-xxx



Overview

Language Code Key for 468727-xxx	xxx = B21	English
	xxx = 041	German
	xxx = 051	French
	xxx = 061	Italian
	xxx = 071	Spanish
	xxx = 251	Russian
	xxx = 291	Japanese
	xxx = AA1	Simplified Chinese
	xxx = AB1	Traditional Chinese
	xxx = AD1	Korean

Windows Server 2008 Datacenter Edition 2p Reseller Option Kit

468728-xxx

**NOTE:** Available for purchase from HP or your local HP authorized reseller. Datacenter Edition includes 1 client access license, 32-bit and x64 DVD media, and COA. Reseller must affix the COA to the server and may preinstall the OS before delivery of the server to the end-customer.

Language Code Key for 468728-xxx	xxx = B21	English
	xxx = 291	Japanese

Windows Server 2008 - Remote Desktop Services

**NOTE:** All part numbers include 5 User or Device Client Access License (CAL) Packs (as stated); Sold from HP with or without a ProLiant server. Previously named TS CALs.

Windows Server 2008 5-CAL User Pack (English)	599190-B21
Windows Server 2008 5-CAL Device Pack (English)	599191-B21

Windows Server 2008 - Client Access Packs

**NOTE:** All part numbers may include 1 or 5 User or Device Client Access License (CAL) Packs (as stated); Sold from HP with or without a ProLiant server.

Windows Server 2008 1-CAL User Pack (English, German, French, Italian, Spanish)	508188-B21
Windows Server 2008 1-CAL User Pack (English, Japanese, Simplified Chinese, Traditional Chinese, Korean)	508188-371
Windows Server 2008 5-CAL User Pack (English, German, French, Italian, Spanish)	468729-B21
Windows Server 2008 5-CAL User Pack (English, Japanese, Simplified Chinese, Traditional Chinese, Korean)	468729-371
Windows Server 2008 1-CAL Device Pack (English, German, French, Italian, Spanish)	508191-B21
Windows Server 2008 1-CAL Device Pack (English, Japanese, Simplified Chinese, Traditional Chinese, Korean)	508191-371
Windows Server 2008 5-CAL Device Pack (English, German, French, Italian, Spanish)	468730-B21
Windows Server 2008 5-CAL Device Pack (English, Japanese, Simplified Chinese, Traditional Chinese, Korean)	468730-371
Windows Server 2008 5-CAL User Terminal Server (All)	468731-B21
Windows Server 2008 5-CAL Device Terminal Server (All)	468732-B21

Windows Server 2008 Enterprise Edition - CAL (Not Pre-Installed)

**NOTE:** All part numbers include 10 User or Device Client Access License (CAL) Packs (as stated); Sold from HP with or without a ProLiant server.

570220-xxx

Overview

Language Code Key for 570220-xxx	xxx = B21	English
	xxx = 291	Japanese
	xxx = AA1	Chinese
	xxx = 071	Spanish

Windows Server 2008 Enterprise Edition - CAL Reseller Option Kit

**NOTE:** All part numbers include 10 User or Device Client Access License (CAL) Packs (as stated). 570223-xxx

Language Code Key for 570223-xxx	xxx = B21	English
	xxx = 051	French
	xxx = 041	German
	xxx = 061	Italian
	xxx = 291	Japanese
	xxx = AD1	Korean
	xxx = 251	Russian
	xxx = AA1	Chinese
	xxx = 071	Spanish
	xxx = AB1	Chinese Traditional

Downgrade Windows Server 2003 R2 Standard Edition

**NOTE:** Only available when purchasing WS Server 2008 with an HP ProLiant server. 484041-xxx

Language Code Key for 484041-xxx	xxx = B21	English
	xxx = 041	German
	xxx = 051	French
	xxx = 061	Italian
	xxx = 071	Spanish
	xxx = 131	Portuguese
	xxx = 141	Turkish
	xxx = 221	Czech
	xxx = 241	Polish
	xxx = 251	Russian
	xxx = 291	Japanese
	xxx = 331	Dutch
	xxx = AA1	Chinese Simplified
	xxx = AB1	Chinese Traditional
	xxx = AD1	Korean

Downgrade Windows Server 2003 R2 Enterprise Edition

**NOTE:** Only available when purchasing WS Server 2008 with an HP ProLiant server. 484042-xxx

Overview

Language Code Key for 484041-xxx	xxx = B21	English
	xxx = 041	German
	xxx = 051	French
	xxx = 061	Italian
	xxx = 071	Spanish
	xxx = 251	Russian
	xxx = 291	Japanese
	xxx = AA1	Chinese Simplified
	xxx = AB1	Chinese Traditional
	xxx = AD1	Korean

### Product Features

#### Windows Server 2008

Microsoft Windows Server 2008 is the most flexible and robust Windows Server operating system to date designed to power the next-generation of networks, applications, and Web services.

- Windows Server 2008 gives you the ability to deliver rich web-based experiences efficiently and effectively, with improved administration and diagnostics, development and application tools, and lower infrastructure costs.
- With its built-in server virtualization technology, Windows Server 2008 enables you to reduce costs, increase hardware utilization, optimize your infrastructure, and improve server availability
- Windows Server 2008 is the most secure Windows Server ever. Its hardened operating system and security innovations, including Network Access Protection, Federated Rights Management, and Read-Only Domain Controller, provide unprecedented levels of protection for your network, your data, and your business.
- Windows Server 2008 is the most flexible and robust Windows Server operating system to date. With new technologies and features such as Server Core, PowerShell, Windows Deployment Services, and enhanced networking and clustering technologies, Windows Server 2008 provides you the most versatile and reliable Windows platform for all of your workload and application requirements.

Please review the hardware system requirements on the Windows Server 2008 website.

**NOTE:** For more information on full features of Window Server 2008, visit:

<http://www.microsoft.com/windowsserver2008/default.mspx>.

#### Virtualization

The initial release of Windows Server 2008 will include a public beta of Microsoft's Hyper-V virtualization product, thus the OEM license of Windows Server 2008 includes this public beta. If you have purchased an HP OEM license of Windows Server 2008 Standard, Enterprise or Datacenter Edition, you will be able to apply the official release of Hyper-V which is now available for download at [www.microsoft.com](http://www.microsoft.com).

When Microsoft integrates the final Hyper-V release with Windows Server 2008, HP OEM software will also follow suit.

Standard Edition license allows for 1 instance of the OS to be used as a virtual guest operating system; Enterprise Edition allows for 4; Datacenter Edition allows unlimited virtual guest operating systems.

**NOTE:** For more information about using your virtualization product keys, see:

<http://go.microsoft.com/fwlink/?LinkId=100268>.

## Additional Features

### Insight Control Edition

HP ProLiant Essentials Software is a suite of value-add software that offer complete management solutions for your ProLiant server environment.

- Simple server configuration and maintenance via ProLiant SmartStart software (SmartStart Scripting Toolkit)
- Enhanced deployment and server management tools via ProLiant Essentials - Rapid Deployment, Workload Management, Virtual Machine Management, Vulnerability and Patch Management, Performance Management Pack software.
- Proactive notification/alerting via ProLiant Essentials software, System Insight Manager software, Integrated Lights-Out board, and SmartStart Subscription Service

**NOTE:** For more information, visit: <http://www.hp.com/go/ice>.

### Software Technical Support

Software Technical Support for Windows Server 2008 is available from HP via multiple contact methods, including electronic media and telephone, for ninety (90) days from date of purchase. Software Technical Support includes assistance with:

- **24x7x365 access to technical resources** - Connect with HP Response Center engineers via telephone, electronic communication, or FAX for assistance in resolving software implementation or operations problems. Service is available around the clock every day, including all holidays.
- **Problem analysis and resolution** - HP Services provides corrective support to resolve identifiable and reproducible software product problems, and to help you identify problems that are difficult to reproduce. You can also receive assistance in trouble-shooting problems and setting configuration parameters.
- **Software features and operational support** - HP provides information on the latest product features and known problems and solutions, plus operational advice and assistance.
- **Escalation management** - Established escalation procedures enlist specialized expertise from HP to Microsoft Windows
- **Installation advisory** - Advisory support is available for help with installation and updating of standalone applications or products installed in a network environment.
- **Electronic software information** - Access HP's electronic support facility including symptom-solution database, product descriptions, specifications, technical literature, and more.

Software technical support does NOT include assistance with:

- Generating or diagnosing user generated programs or source codes
- Installation of non-HP products



## Additional Features

### Service and Support

HP Services offers a full portfolio of comprehensive services and cost-saving updates to help you enhance the performance and availability of software from HP and other leading vendors. Services can be configured for Operating System-only support, or can be configured to support the Operating System plus the standard Microsoft Server Applications installed on the server.

- **Standard Support:** Available standard business hours on standard business days, this convenient HP Care Pack service gives your IT team direct access to HP IT Response Centers. Experienced Response Center engineers provide trustworthy advice on issues such as software features and use, problem diagnosis and resolution, and software defect identification. Any member of your IT staff can electronically access essential product and support information.
- **HP 24x7 Software Technical Support** provides comprehensive round-the-clock services and cost-saving updates to help you enhance the performance and availability of software from HP and other leading vendors.
- **HP Support Plus** delivers onsite hardware support and over-the-phone software support 13 hours per day, 5 days per week. Service coverage encompasses HP products and selected multi-vendor hardware and software.
- **HP Support Plus 24** delivers onsite hardware support and over-the-phone software support around-the-clock 365 days per year.
- **HP Proactive 24** delivers onsite hardware support and over-the-phone software support, plus proactive problem identification and solutions recommendation, with remote monitoring, and an assigned account manager to manage the proactive services.
- **HP Critical Service** delivers onsite hardware support and over-the-phone software support, plus proactive problem identification and solutions recommendation, with remote monitoring, and an assigned support team to manage the proactive services. The assigned support team will conduct a pre-assessment of your server environment, working with your IT team to develop a strategy to align the server environment with your business goals. Quarterly assessments will be conducted to ensure ongoing alignment with your goals.
- **HP Installation and Startup Services** helps ensure that your new HP hardware or software is installed smoothly, efficiently, and with minimal disruption of your IT and business operations.

**NOTE:** For more information, visit HP Care Pack Services at: <http://www.hp.com/services>.

### Microsoft Software Assurance

Microsoft Software Assurance (SA) is a way for licensed customers to keep current with the latest, most innovative Microsoft products. Under the SA program, customers acquire the right to access any new release of a product covered in the agreement during the term of the coverage. Software Assurance now also includes more benefits for the same price, including problem resolution support during business hours for covered server products, access to Managed Newsgroups and Online Concierge Chat, and Microsoft's self-paced training courses.

In order to guarantee eligibility for the most current product releases and "upgrade-like" pricing you will need to purchase Software Assurance.

**NOTE:** For more information, please visit:

<http://www.microsoft.com/licensing/programs/sa/default.aspx>

### Additional Features

#### HP Software Licensing and Management Solutions (SLMS)

HP SLMS provides prime source licensing fulfillment and software license management solutions for various Microsoft operating systems and applications volume licenses to large multinational enterprise or domestic companies. HP provides a global sales channel for all Microsoft program and services and will work with you to select the program that best suits your needs. HP offers three comprehensive Microsoft licensing programs: Open, Select and Enterprise License.

**NOTE:** For more information on HP SLMS, visit: <http://h71028.www7.hp.com/enterprise/cache/8786-0-0-0-121.aspx>

#### Windows Server Catalog Definition

Microsoft's certification program allows HP ProLiant servers a compatibility certification with Windows Server operating systems. HP ProLiant Servers listed in the Windows Server Catalog have been rigorously tested and certified with Windows Server 2008.

**NOTE:** For information on ProLiant servers certified for Windows server, visit: [www.hp.com/go/windowscert](http://www.hp.com/go/windowscert).

**NOTE:** For details on Microsoft's server catalog and also a list of HP ProLiant certified servers, visit: [www.windowsservercatalog.com](http://www.windowsservercatalog.com).

#### Environment-friendly Products and Approach

#### End-of-life Management and Recycling

Hewlett-Packard offers end-of-life HP product return, trade-in, and recycling programs in many geographic areas. For trade-in information, please go to <http://www.hp.com/go/green>. To recycle your product, please go to: <http://www.hp.com/go/green> or contact your nearest HP sales office.

Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: <http://www.hp.com/go/green>. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

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