

### Overview

Microsoft® Windows® Essential Business Server 2008 (Windows EBS 2008), part of the Microsoft Windows Essential Business Solutions family, is a new integrated multi-server solution designed for midsize businesses with up to 300 clients. It provides the essential technology needed for a more secure and reliable infrastructure. Powered by Windows Server 2008 technology, Windows Essential Business Server combines software for management, messaging and security features into one integrated server solution that dramatically reduces IT complexity and improves efficiency across the business, putting IT in control.

Windows EBS 2008 is available in Standard and Premium Editions

- Standard Edition is a 3 server solution that includes:
  - Management Server
    - Windows Server 2008 Standard Edition technologies (x64)
    - Microsoft Systems Center Essentials 2007
  - Messaging Server
    - Windows Server 2008 Standard Edition technologies (x64)
    - Windows Exchange Server 2007 Standard Edition
    - Microsoft Forefront Security for Exchange Server
  - Security Server
    - Windows Server 2008 Standard Edition technologies (x64)
    - Windows Exchange Server 2007 Standard Edition
    - Forefront Threat Management Gateway Medium Business Edition
- Premium Edition adds a 4th server to Standard Edition which includes:
  - Database Server
    - Windows Server 2008 Standard Edition technologies (x64 or x86)
    - Microsoft SQL Server 2008 Standard Edition

Windows EBS 2008 from HP is available for purchase with a HP ProLiant server as a Drop in the Box option on DVD. Includes OS and application media, 5 client access licenses, documentation, Certification of Authenticity (COA) affixed to your server, 90-day free technical software support, pre-populated product key that does not require activation. Purchase Microsoft Software assurance within 90-days of purchase to receive extra benefits with your operating system and grant transferability of your OEM license to another server.

- Supported on select HP ProLiant servers and has been tested with ProLiant support software. For a list of supported servers and HP value-add software, visit: [www.hp.com/go/windowscert](http://www.hp.com/go/windowscert).
- Recommended optional service available for service: HP 2-Hour 24x7 Software Technical Support is a 3-incident package which includes support for SBS 2008 & Microsoft Client Applications

Windows EBS 2008 is also available to HP authorized distributors and resellers in the form of the Microsoft Windows EBS Reseller Option Kit (ROK). Microsoft EBS ROK from HP allows you to match your customer's preferred operating system with their chosen HP server. These products can be sold with a new supported HP ProLiant server and HP BladeSystems.

For more information on HP's offering of Windows Essential Business Server 2008, please visit: [www.hp.com/go/winessentialfamily](http://www.hp.com/go/winessentialfamily).

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### Overview

#### At A Glance

- Customers can purchase Windows EBS 2008 Standard and Premium Edition software and 5 Client Access License Packs directly from HP or an HP authorized distributor and reseller
- Windows EBS 2008 is sold with HP ProLiant ML/DL100 and 300 series servers as well as BL200 and 400 series.
- Standard Edition requires three servers for deployment: Messaging, Management and Security Server
- Premium Edition requires a fourth server as the database server using SQL Server 2008 Standard Edition
- 5 User and Device CALs available. Additional CALs require activation. Enter additional CALs via the License Wizard and activate using the product key available on the COA - certificate of authenticity - label

#### Models

**NOTE:** All part numbers include 5 client access licenses and media. Windows EBS Products are only sold with a ProLiant server. Standard Edition requires 3 servers and Premium Edition requires 4 servers for a complete solution per edition. Additional ProLiant servers are available for purchase.

#### Windows EBS 2008 Standard Edition, OS not Preinstalled

505532-B21

#### Windows EBS 2008 Premium Edition, OS not Preinstalled

505534-B21

#### Windows EBS 2008 Standard Edition Reseller Option Kit

**NOTE:** For distributors and resellers only. Includes 5 client Access Licenses included; Media included; Reseller must affix the COA to the server before delivery to the end-customer

505536-B21

#### Windows EBS 2008 Premium Edition Reseller Option Kit

**NOTE:** For distributors and resellers only. Includes 5 client access licenses and media; Reseller must preinstall the OS before delivery of the server

505538-B21

#### Windows EBS 2008 5-User Client Access License (CAL) Packs

Includes 5 User CALs. User CALs allow a named user to access the server from multiple devices such as a PC, laptop, handheld, mobile phone, etc. Can be purchased separately from the server. Additional CALs require activation. Enter additional CALs via the License Wizard and activate using the product key available on the COA - certificate of authenticity - label.

Standard Edition

508893-B21

Premium Edition

508897-B21

#### Windows EBS 2008 5-Device Client Access License (CAL) Packs

Includes 5 Device CALs. Device CALs allow multiple users to access the server from a single device, such as a terminal computer. Can be purchased separately from the server. Additional CALs require activation. Enter additional CALs via the License Wizard and activate using the product key available on the COA - certificate of authenticity - label.

Standard Edition

508895-B21

Premium Edition

508899-B21



## Hardware Requirements

	Management Server	Security Server	Messaging Server
Processor (64 bit) Single-Core CPU	2.5 GHz (minimum)	2.5 GHz (minimum)	2.5 GHz (minimum)
Processor (64-bit) Multi-Core CPU	1.5 GHz (minimum)	1.5 GHz (minimum)	1.5 GHz (minimum)
Processor (64-bit) Multiple physical CPUs	1.5 GHz (minimum)	1.5 GHz (minimum)	1.5 GHz (minimum)
RAM per processor	4 GB	2 GB	4 GB
Hard drive (10K RPM minimum) OS partition	45 GB (minimum free space) stored on RAID 1 volume	45 GB (minimum free space) stored on RAID 1 volume	45 GB (minimum free space) stored on RAID 1 volume
Hard drive (10K RPM minimum) Application partition	50 GB (minimum free space) stored on RAID 5 volumes	50 GB (minimum free space) stored on RAID 5 volumes	50 GB (minimum free space) stored on RAID 5 volumes
Hard drive configuration	Eight hard disk drive bays (provides for in-server storage expansion)	Two or more hard disk drive bays	Eight hard disk drive bays (provides for in-server storage expansion)
NICs	One, 100 Mbps (minimum)	Two, 100 Mbps (minimum)	One, 100 Mbps (minimum)
DVD-ROM	DVD-ROM drive that can boot from the system BIOS or a peripheral connection such as a USB port	DVD-ROM drive that can boot from the system BIOS or a peripheral connection such as a USB port	DVD-ROM drive that can boot from the system BIOS or a peripheral connection such as a USB port
Failover drive	Dedicated hot swap hard disk drive configured for RAID 1 or RAID 5 volume failover	Dedicated hot swap hard disk drive configured for RAID 1 or RAID 5 volume failover	Dedicated hot swap hard disk drive configured for RAID 1 or RAID 5 volume failover
Power	Redundant power supply for each server	Redundant power supply for each server	Redundant power supply for each server



### Additional Features

Benefit	Product Technologies	Standard	Premium
IT Foundation	Windows Server 2008 Standard Technologies	X	X
Management and Monitoring	Microsoft System Center Essentials 2007	X	X
Messaging and Collaboration	Exchange Server 2007 Standard Edition	X	X
Email Security	Microsoft Forefront Security for Exchange Server	X	X
Edge Security	Microsoft Forefront Threat Management Gateway Medium Business Edition	X	X
Operating System	Windows Server 2008 Standard Edition		X
Database	Microsoft SQL Server 2008 Standard Edition		X

#### Insight Control Management

Insight Control is a set of software tools designed to make managing your HP ProLiant and BladeSystem environments simple. The Insight Control Environment suites provide a single, integrated management interface in 1 package - for 1 installation & streamlined licensing. For more information on suites and standalone management products, visit: [www.hp.com/go/insightcontrol](http://www.hp.com/go/insightcontrol).

#### Software Technical Support

Software Technical Support for your HP Software, HP pre-installed third-party software 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:

- Answering your installation questions (how to, first steps, and prerequisites)
- Setting up and configuring the software (how-to and first steps). Excludes system optimization, customization and network configuration
- Interpreting system error messages
- Isolating system problems to software usage problems
- Obtaining support pack information or updates

Software technical support does NOT include assistance with:

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

#### Services

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. Recommended service for Windows EBS 2003: HP 2-Hour 24x7 Software Technical Support

- Support for Windows EBS 2003 & Microsoft Client Applications

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



### Additional Features

#### Microsoft Software Assurance and purchasing additional licenses from HP

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 install any new release of a product covered in the agreement during the term of the coverage. OEM customers must purchase the SA within 90 days of the OS purchase.

To purchase additional licenses or Software Assurance from HP, visit the HP Software License Management Solutions at: <http://www.hp.com/software/slms>.

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#### Windows Server Catalog Definition

Microsoft has determined which HP ProLiant servers are compatible with Windows Server operating systems. HP ProLiant Servers listed in the Windows Server Catalog are compatible with Windows Server operating systems. For more information on HP's Compatible and Support ProLiant Windows Servers please visit: <http://h10018.www1.hp.com/wwsolutions/windows/index-all.html>

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#### HP Web Sites

- HP Windows EBS 2008 Product Page: <http://www.hp.com/go/ebs2008>
- HP's Windows EBS Essential Server Solutions 2008 Product Page: <http://www.hp.com/go/winessentialfamily>
- HP Windows Small Business Server 2008 Product Page: <http://www.hp.com/go/sbs2008>
  
- HP Windows web site: <http://www.hp.com/go/windows>
- ProLiant Support Matrix: <http://www.hp.com/go/windowscert>
- ProLiant Windows: <http://h18004.www1.hp.com/products/servers/software/microsoft/ProLiant-index.html>
- HP Microsoft Frontline Partnership web site: <http://www.hp.com/microsoft>
- HP Partner Portal: <http://www.hp.com/partners/us/rok>



## Technical Specifications

### CAL Pack

**Shipping Dimensions (HxWxD)** 11.00 x 0.01 x 8.5 in (27.94 x 0.0254 x 21.59 cm)

**Shipping Weight** 0.005 lb (0.002268 kg)

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### SBS Standard

### SBS Premium

**Shipping Dimensions (HxWxD)** 11.00 x 6.00 x 8.5 in (27.94 x 15.24 x 21.59 cm)

**Shipping Weight** 0.5 lb (0.2267962 kg)

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### 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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