

Overview

Microsoft Windows Server 2012

HPE and Microsoft are teaming up to make the Microsoft Private Cloud work for you. Windows Server 2012 paired with Microsoft System Center 2012 enables customers to accelerate delivery of private clouds through pooling and efficient use of infrastructure resource, through dynamic resource migration in response to resource availability, through simplified service design and self-service service delivery, and through efficient ongoing management from infrastructure through applications.

But a great cloud operating system and systems management are not enough.

- Our joint customers require infrastructure that delivers best-in-class performance and ensures that valuable, compute, storage, and networking resources are never wasted.
- Customers need to be able to implement private clouds faster and with less risk by relying on HPE and Microsoft to conduct the up-front solution design work; remove the burden of time consuming racking, stacking, and cabling; and by ensuring that the private cloud environment is implemented correctly each time.
- And, most importantly, customers expect to work with HPE to chart a path to the private cloud that allows them to realize the benefits of cloud computing incrementally, without disruption to existing IT services or massive cost over-runs.

Hewlett Packard Enterprise has partnered with Microsoft to make the private cloud work for you by delivering:

- Converged infrastructure horsepower to get your organization "beyond virtualization" and running with unparalleled performance and scalability in the cloud.
- Solutions such as HPE VirtualSystem that make it simple to deploy virtualization and private cloud infrastructure, from new two-node SMB and branch office solutions to enterprise data center solutions hosting thousands of VMs, without spending hours designing, racking, and deploying infrastructure.
- And expertise to help you chart a non-disruptive path from your current IT infrastructure to private cloud based on HPE Converged Infrastructure, HPE Insight Management, Microsoft Windows Server 2012, and Microsoft System Center.

Whether you are an enterprise, a small or medium-sized business, or a hosting provider, HPE and Windows Server 2012 will help you cloud optimize your IT

HPE ProLiant servers and option products are rigorously tested and certified for Windows Server 2012. For a complete list of supported HPE ProLiant servers, visit the OS support matrix at: <http://www.hp.com/go/wincert>.

HPE Windows Server 2012 OEM licenses are available for purchase from HPE or your local authorized reseller.

- Available OEM licenses:
 - Foundation: per server licensing; limited to 1 processor only; up to 15 users. No virtualization rights.
 - Essentials: per server licensing; up to 2 processors; up to 25 users. No virtualization rights.
 - Standard: processor + CALs, up to 2 processors per license; no processor limit. Virtual use rights: 2 instances per license.
 - Datacenter: processor + CALs, up to 2 processor per license; no processor limit. Virtual use rights: unlimited instances.
 - Additional License: available for Standard and Datacenter editions.
 - Client Access Licenses: 1, 5, 10 or 50 pack, for User or Device.
 - Remote Desktop Services: 5 pack for User or Device.
- All Windows Server 2012 kits include:
 - x64 DVD media
 - 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.
- Licensing model for Standard and Datacenter editions: Per processor based + CALs. Each license grants rights to run on

Overview

- up to 2 processors. Windows Server 2012 will not include bundled CALs. Single Product Key per edition for activation.
- From HPE: Available for purchase at the time of your HPE ProLiant server purchase as pre-installed on selected HPE ProLiant servers or Non-preinstalled (drop in the box) with the operating system DVDs included with the server. 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 2012 at <http://www.microsoft.com/>.
- From your local authorized reseller: Available for purchase with your preferred HPE ProLiant server as a Windows Reseller Option Kit or ROK.

NOTE: For more information on the Hewlett Packard Enterprise offering of Windows Server 2012 products, go to: <http://www.hp.com/go/ws2012>

What's New

- Adding Brazilian Portuguese only part numbers
- Adding 10 & 50 CAL Packs for User and Device
- Adding Windows Server 2008 R2 Japanese ROK Downgrades
- Adding Pre-Installed Part Numbers to support the Unified Extensible Firmware Interface (UEFI) boot environment available for HPE ProLiant Gen9 Servers
Important: HPE Windows Server OEM Not Pre-Installed "NPI" and Reseller Option Kit "ROK" part numbers are compatible with both UEFI boot mode and Legacy boot mode, in other words, Windows Server NPI and ROK part numbers are compatible with Gen9, Gen8 and previous Servers.
- Adding Windows Server Standard Additional License SKUs with expanded license rights (1) available for purchase after the Server Sale to anyone who has already purchased a Base OS License from HPE and (2) the ability to reassign the rights of the Windows Server 2012 Standard Additional License to another server with a Base License.
Base License Required: Windows Server 2012 or 2012 R2 Standard

Models

Microsoft Hardware Specifications for Foundation edition:

Windows Server 2012	Foundation
CPU	Limited to 1 Proc; per server licensing
Min. CPU Req.	1.4 GHz x64
IA64 Sockets	0
X64 RAM STD/ Max	2GB/32GB
ECC	Yes
NIC	multiple NICs supported
Internal optical bay drive allowed	Yes
Storage required	32 GB
SW RAID	Yes
Video	Yes
Keyboard, Mouse	Yes

NOTE: Microsoft Windows Server Foundation edition will limit the number of permissible user accounts and/or require certain Active Directory and domain configurations. If not properly configured, the software will generate warnings to correct the configuration. The warnings will alert you as to the behavior of the software in the absence of corrective measures, which may include the periodic shutdown of the server. The warnings and shutdowns will cease once the configuration is corrected. For more information about these features as they apply to the product, please review the product-specific documentation located on <http://www.microsoft.com/>.

Windows Server 2012 Foundation Edition 1P Pre-Installed UEFI on Gen9 ProLiant Servers

NOTE: Unified Extensible Firmware Interface (UEFI) is an industry standard set of interfaces between the system firmware and the operating system, and between various components of the system firmware. UEFI enables numerous new capabilities, for more information please read the whitepaper [UEFI: successor to legacy BIOS](#).

NOTE: All Foundation Edition part numbers include x64 DVD media and COA. Sold only as a configurable option with a ProLiant server purchase.

Microsoft Windows Server 2012 Foundation Edition FIO UEFI		782514-xxx
Language Code Key for 782514-xxx	xxx = A21 xxx = 371	English, French, Italian, German, Spanish English, Japanese, Korean
		EMEA Region APJ Region

Windows Server 2012 Foundation Edition 1P Pre-Installed on ProLiant Servers (for Gen8 and previous Servers)

NOTE: All Foundation Edition part numbers include x64 DVD media and COA. Sold only as a configurable option with a ProLiant server purchase.

Microsoft Windows Server 2012 Foundation FIO		701589-xxx
Language Code Key for 701589-xxx	xxx = A21 xxx = 371	English, French, Italian, German, Spanish English, Japanese, Korean
		EMEA Region APJ Region

Windows Server 2012 Foundation Edition 1P OS Not Pre-Installed

Models

NOTE: All Foundation Edition part numbers include x64 DVD media and COA. Sold only as a configurable option with a ProLiant server purchase.

Microsoft Windows Server 2012 Foundation FIO Not Pre-installed			701590-xxx
Language Code Key for	xxx = DN1	English, French, Spanish, Brazilian Portuguese	AMS Region
701590-xxx	xxx = 371	English, Japanese, Korean	APJ Region

Windows Server 2012 Foundation Edition 1P Reseller Option Kit

NOTE: Available for purchase from your local Hewlett Packard Enterprise Authorized reseller. Foundation Edition includes: x64 DVD media and COA. Reseller must affix the COA to the server and may preinstall the OS before delivery of the server.

Windows Server 2012 Foundation Edition ROK			701591-xxx
Language Code Key for	xxx = DN1	English, French, Spanish, Brazilian Portuguese	AMS Region
701591-xxx	xxx = 201	Brazilian Portuguese	AMS Region
	xxx = A21	English, French, Italian, German, Spanish	EMEA Region
	xxx = 021	English, Dutch, Swedish, Portuguese, Turkish	EMEA Region
	xxx = 421	English, Russian, Polish, Czech	EMEA Region
	xxx = 371	English, Japanese, Korean	APJ Region
	xxx = AA1	Chinese Simplified	APJ Region
	xxx = AB1	Chinese Traditional	APJ Region

Microsoft Hardware Specifications for Essentials edition:

Windows Server 2012	Essentials
CPU	Up to 2 Proc; Per server licensing
Min. CPU Req.	1.4 GHz x64
IA64 Sockets	0
X64 RAM STD/ Max	2GB/64GB
ECC	Yes
NIC	multiple NICs supported
Internal optical bay drive allowed	Yes
Storage required	160 GB
SW RAID	Yes
Video	Optional
Keyboard, Mouse	Optional

Windows Server 2012 Essentials Edition 1-2P Pre-Installed UEFI on Gen9 ProLiant Servers

NOTE: Unified Extensible Firmware Interface (UEFI) is an industry standard set of interfaces between the system firmware and the operating system, and between various components of the system firmware. UEFI enables numerous new capabilities, for more information please read the whitepaper [UEFI: successor to legacy BIOS](#).

NOTE: All Essentials Edition part numbers include: x64 DVD media and COA. Sold only as a configurable option with a ProLiant server purchase.

Microsoft Windows Server 2012 Essentials FIO UEFI	782513-xxx
---	------------

Models

Language Code Key for 782513-xxx	xxx = DN1 xxx = 371	English, French, Spanish, Brazilian Portuguese English, Japanese, Korean	AMS Region APJ Region
---	------------------------	---	--------------------------

Windows Server 2012 Essentials Edition 1-2P Pre-Installed on ProLiant Servers (for Gen8 and previous Servers)

NOTE: All Essentials Edition part numbers include: x64 DVD media and COA. Sold only as a configurable option with a ProLiant server purchase.

Microsoft Windows Server 2012 Essentials FIO			701585-xxx
Language Code Key for 701585-xxx	xxx = DN1 xxx = 371	English, French, Spanish, Brazilian Portuguese English, Japanese, Korean	AMS Region APJ Region

Windows Server 2012 Essentials Edition 1-2P OS Not Pre-Installed

NOTE: All Essentials Edition part numbers include x64 DVD media and COA. Sold only as a configurable option with a ProLiant server purchase.

Microsoft Windows Server 2012 Essentials FIO Not Pre-installed			701586-xxx
Language Code Key for 701586-xxx	xxx = A21 xxx = 371	English, French, Italian, German, Spanish English, Japanese, Korean	EMEA Region APJ Region

Windows Server 2012 Essentials Edition 1-2P Reseller Option Kit

NOTE: Available for purchase from your local Hewlett Packard Enterprise Authorized reseller. Essentials Edition includes x64 DVD media and COA. Reseller must affix the COA to the server and may preinstall the OS before delivery of the server.

Windows Server 2012 Essentials Edition ROK			701587-xxx
Language Code Key for 701587-xxx	xxx = DN1 xxx = 201 xxx = A21 xxx = 021 xxx = 421 xxx = 371	English, French, Spanish, Brazilian Portuguese Brazilian Portuguese English, French, Italian, German, Spanish English, Dutch, Swedish, Portuguese, Turkish English, Russian, Polish, Czech English, Japanese, Korean	AMS Region AMS Region EMEA Region EMEA Region EMEA Region APJ Region

Microsoft Hardware Specifications for Standard edition:

Windows Server 2012	Standard
CPU	Up to 2 Proc per licenses; no processor limit
Min. CPU Req.	1.4 GHz x64
IA64 Sockets	0
X64 RAM STD/ Max	2GB/unlimited
ECC	Yes
NIC	multiple NICs supported
Internal optical bay drive allowed	Yes
Storage required	32 GB
SW RAID	Yes

Models

Video	Yes
Keyboard, Mouse	Yes

Windows Server 2012 Standard Edition 2P Pre-Installed UEFI on Gen9 ProLiant Servers

NOTE: Unified Extensible Firmware Interface (UEFI) is an industry standard set of interfaces between the system firmware and the operating system, and between various components of the system firmware. UEFI enables numerous new capabilities, for more information please read the whitepaper [UEFI: successor to legacy BIOS](#).

NOTE: All Standard Edition part numbers include: x64 DVD media and COA. Sold only as a configurable option with a ProLiant server purchase.

Microsoft Windows Server 2012 Standard Edition FIO UEFI			782515-xxx
Language Code Key for 782515-xxx	xxx = DN1	English, French, Spanish, Brazilian Portuguese	AMS Region
	xxx = A21	English, French, Italian, German, Spanish	EMEA Region
	xxx = 291	Japanese	APJ Region
	xxx = 371	English, Korean	APJ Region

Windows Server 2012 Standard Edition 2P Pre-Installed on ProLiant Servers (for Gen8 and previous Servers)

NOTE: All Standard Edition part numbers include: x64 DVD media and COA. Sold only as a configurable option with a ProLiant server purchase.

Microsoft Windows Server 2012 Standard Edition FIO			701593-xxx
Language Code Key for 701593-xxx	xxx = DN1	English, French, Spanish, Brazilian Portuguese	AMS Region
	xxx = A21	English, French, Italian, German, Spanish	EMEA Region
	xxx = 291	Japanese	APJ Region
	xxx = 371	English, Korean	APJ Region

Windows Server 2012 Standard Edition 2P OS Not Pre-Installed

NOTE: All Standard Edition part numbers include x64 DVD media and COA. Sold only as a configurable option with a ProLiant server purchase.

Microsoft Windows Server 2012 Standard Edition FIO Not Pre-installed			701594-xxx
Language Code Key for 701594-xxx	xxx = DN1	English, French, Spanish, Brazilian Portuguese	AMS Region
	xxx = A21	English, French, Italian, German, Spanish	EMEA Region
	xxx = A41	English, Polish, Portuguese, Russian, Swedish, Turkish, Czech, Dutch	EMEA Region
	xxx = 291	Japanese	APJ Region
	xxx = 371	English, Korean	APJ Region

Windows Server 2012 Standard Edition 2P Reseller Option Kit

NOTE: Available for purchase from your local Hewlett Packard Enterprise Authorized reseller. Standard Edition includes x64 DVD media and COA. Reseller must affix the COA to the server and may preinstall the OS before delivery of the server.

Models

Windows Server 2012 Standard Edition ROK			701595-xxx
Language Code Key for 701595-xxx	xxx = DN1	English, French, Spanish, Brazilian Portuguese	AMS Region
	xxx = 201	Brazilian Portuguese	AMS Region
	xxx = A21	English, French, Italian, German, Spanish	EMEA Region
	xxx = 021	English, Dutch, Swedish, Portuguese, Turkish	EMEA Region
	xxx = 421	English, Russian, Polish, Czech	EMEA Region
	xxx = 371	English, Korean	APJ Region
	xxx = 291	Japanese	APJ Region
	xxx = AA1	Chinese Simplified	APJ Region
	xxx = AB1	Chinese Traditional	APJ Region

Windows Server 2012 Standard Edition 2P Additional License

NOTE: Standard Edition includes a Tracking COA, the Tracking COA will not include an activation key, and Customer will activate VMs with the license key from the base OS license.

NOTE: Sold from HPE with or without a ProLiant server.

NOTE: End Users can move/reassign Windows Server Standard Additional licenses to another server that has a base license of Windows Server 2012 or 2012 R2 Standard.

Windows Server 2012 Standard Edition 2P Additional License			818546-xxx
Language Code Key for 818546-xxx	xxx = B21	English, French, Italian, German, Spanish	WW Region
	xxx = 291	Japanese	APJ Region

Microsoft Hardware Specifications for Datacenter edition:

Windows Server 2012	Datacenter
CPU	Up to 2 Proc per licenses; no processor limit
Min. CPU Req.	1.4 GHz x64
IA64 Sockets	0
X64 RAM STD/ Max	2GB/unlimited
ECC	Yes
NIC	multiple NICs supported
Internal optical bay drive allowed	Yes
Storage required	32 GB
SW RAID	Yes
Video	Yes
Keyboard, Mouse	Yes

Windows Server 2012 Datacenter Edition OS Not Pre-Installed

NOTE: All Datacenter Edition part numbers include: x64 DVD media and COA. Sold only as a configurable option with a ProLiant server purchase.

Microsoft Windows Server 2012 Datacenter FIO Not Pre-installed			701599-xxx
Language Code Key for 701599-xxx	xxx = DN1	English, French, Spanish, Brazilian Portuguese	AMS Region
	xxx = A21	English, French, Italian, German, Spanish	EMEA Region
	xxx = A41	English, Polish, Portuguese, Russian, Swedish, Turkish, Czech, Dutch	EMEA Region

Models

xxx = 371	English, Korean	APJ Region
xxx = 291	Japanese	APJ Region

Windows Server 2012 Datacenter Edition 2P

Reseller Option Kit

NOTE: Available for purchase from HPE or your local Hewlett Packard Enterprise Authorized reseller. Datacenter Edition includes 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.

Microsoft Windows Server 2012 Datacenter ROK			701600-xxx
Language Code Key for 701600-xxx	xxx = DN1	English, French, Spanish, Brazilian Portuguese	AMS Region
	xxx = 201	Brazilian Portuguese	AMS Region
	xxx = A21	English, French, Italian, German, Spanish, English, Dutch	EMEA Region
	xxx = 021	Swedish, Portuguese, Turkish	EMEA Region
	xxx = 421	English, Russian, Polish, Czech	EMEA Region
	xxx = 371	English, Korean	APJ Region
	xxx = 291	Japanese	APJ Region
	xxx = AA1	Chinese Simplified	APJ Region

Windows Server 2012 Datacenter Edition 2P Additional License

NOTE: Datacenter Edition includes COA. Sold only as a configurable option with a ProLiant server purchase.

Microsoft Windows Server 2012 Datacenter Add License FIO			701601-xxx
Language Code Key for 701601-xxx	xxx = DN1	English, French, Spanish, Brazilian Portuguese	AMS Region
	xxx = A21	English, French, Italian, German, Spanish, English, Dutch	EMEA Region
	xxx = A41	English, Polish, Portuguese, Russian, Swedish, Turkish, Czech, Dutch	EMEA Region
	xxx = 291	Japanese	APJ Region
	xxx = 371	English, Korean	APJ Region

Windows Server 2012 - Remote Desktop Services 5 Device CAL

NOTE: All part numbers include 5 Device Client Access License (CAL) Packs; Sold from HPE with or without a ProLiant server.

Microsoft Windows Server 2012 Remote Desktop Services 5 Device CAL			701604-xxx
Language Code Key for 701604-xxx	xxx = DN1	English, French, Spanish, Brazilian Portuguese	AMS Region
	xxx = A21	English, Czech, German, Spanish, French, Italian, Dutch, Polish, Portuguese, Russian, Swedish, Turkish	EMEA Region
	xxx = 371	English, Korean	APJ Region
	xxx = 291	Japanese	APJ Region

Windows Server 2012 - Remote Desktop Services 5 User CAL

NOTE: All part numbers include 5 User Client Access License (CAL) Packs; Sold from HPE with or without a ProLiant server.

Microsoft Windows Server 2012 Remote Desktop Services 5 User CAL			701605-xxx
Language Code Key for	xxx = DN1	English, French, Spanish, Brazilian Portuguese	AMS Region

Models

701605-xxx	xxx = A21	English, Czech, German, Spanish, French, Italian, Dutch, Polish, Portuguese, Russian, Swedish, Turkish	EMEA Region
	xxx = 371	English, Korean	APJ Region
	xxx = 291	Japanese	APJ Region

Windows Server 2012 50 User CAL

NOTE: All part numbers include 50 User Client Access License (CAL) Packs; Sold from HPE with or without a ProLiant server.

Microsoft Windows Server 2012 50 User CAL			759562-xxx
Language Code Key for 759562-xxx	xxx = B21	English, French, Italian, German, Spanish, Japanese	

Windows Server 2012 50 Device CAL

NOTE: All part numbers include 50 Device Client Access License (CAL) Packs; Sold from HPE with or without a ProLiant server.

Microsoft Windows Server 2012 50 Device CAL			759564-xxx
Language Code Key for 759564-xxx	xxx = B21	English, French, Italian, German, Spanish, Japanese	

Windows Server 2012 10 User CAL

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

Microsoft Windows Server 2012 10 User CAL			759561-xxx
Language Code Key for 759561-xxx	xxx = B21	English, French, Italian, German, Spanish, Japanese	

Windows Server 2012 10 Device CAL

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

Microsoft Windows Server 2012 10 Device CAL			759563-xxx
Language Code Key for 759563-xxx	xxx = B21	English, French, Italian, German, Spanish, Japanese	

Windows Server 2012 5 User CAL

NOTE: All part numbers include 5 User Client Access License (CAL) Packs; Sold from HPE with or without a ProLiant server.

Microsoft Windows Server 2012 5 User CAL			701606-xxx
Language Code Key for 701606-xxx	xxx = DN1	English, French, Spanish, Brazilian Portuguese	AMS Region
	xxx = 201	Brazilian Portuguese	AMS Region
	xxx = A21	English, Czech, German, Spanish, French, Italian, Dutch, Polish, Portuguese, Russian, Swedish, Turkish	EMEA Region
	xxx = 371	English, Korean	APJ Region
	xxx = 291	Japanese	APJ Region
	xxx = AA1	Chinese Simplified	APJ Region
	xxx = AB1	Chinese Traditional	APJ Region

Models

Windows Server 2012 5 Device CAL

NOTE: All part numbers include 5 Device Client Access License (CAL) Packs; Sold from HPE with or without a ProLiant server.

Microsoft Windows Server 2012 5 Device CAL			701607-xxx
Language Code Key for 701607-xxx	xxx = DN1	English, French, Spanish, Brazilian Portuguese	AMS Region
	xxx = A21	English, Czech, German, Spanish, French, Italian, Dutch, Polish, Portuguese, Russian, Swedish, Turkish	EMEA Region
	xxx = 371	English, Korean	APJ Region
	xxx = 291	Japanese	APJ Region

Windows Server 2012 1 User CAL

NOTE: All part numbers include 1 User Client Access License (CAL) Packs; Sold from HPE with or without a ProLiant server.

Microsoft Windows Server 2012 1 User CAL			701608-xxx
Language Code Key for 701608-xxx	xxx = DN1	English, French, Spanish, Brazilian Portuguese	AMS Region
	xxx = A21	English, Czech, German, Spanish, French, Italian, Dutch, Polish, Portuguese, Russian, Swedish, Turkish	EMEA Region
	xxx = 371	English, Korean	APJ Region
	xxx = 291	Japanese	APJ Region
	xxx = AA1	Chinese Simplified	APJ Region

Windows Server 2012 1 Device CAL

NOTE: All part numbers include 1 Device Client Access License (CAL) Packs; Sold from HPE with or without a ProLiant server.

Microsoft Windows Server 2012 1 Device CAL			701609-xxx
Language Code Key for 701609-xxx	xxx = DN1	English, French, Spanish, Brazilian Portuguese	AMS Region
	xxx = A21	English, Czech, German, Spanish, French, Italian, Dutch, Polish, Portuguese, Russian, Swedish, Turkish	EMEA Region
	xxx = 371	English, Korean	APJ Region
	xxx = 291	Japanese	APJ Region

Downgrade Windows Server 2008 R2 Standard Edition Not Pre-Installed

NOTE: Only available when purchasing Windows Server 2012 or Windows Server 2012 R2 with an HPE ProLiant server.

Microsoft Windows Server 2008 R2 Standard Downgrade Kit FIO Not Pre-installed			717566-xxx
Language Code Key for 717566-xxx	xxx = B21	English, French, Italian, German, Spanish	AMS & EMEA Region
	xxx = 371	English, Japanese, Korean	APJ Region

Downgrade Windows Server 2008 R2 Enterprise Edition Not Pre-Installed

NOTE: Only available when purchasing Windows Server 2012 or Windows Server 2012 R2 with an HPE ProLiant server.

Microsoft Windows Server 2008 R2 Enterprise Downgrade Kit FIO Not Pre-installed			717567-xxx
Language Code Key for	xxx = B21	English, French, Spanish	AMS & EMEA Region

Models

717567-xxx	xxx = 021	English, German, Italian, Russian	EMEA Region
	xxx = 291	English, Japanese	APJ Region

Downgrade Windows Server 2008 R2 Datacenter Edition Not Pre-Installed

NOTE: Only available when purchasing Windows Server 2012 or Windows Server 2012 R2 with an HPE ProLiant server.

Microsoft Windows Server 2008 R2 Datacenter Downgrade Kit FIO Not Pre-installed			717568-xxx
Language Code Key for	xxx = B21	English	AMS & EMEA Region
717568-xxx	xxx = 291	Japanese	APJ Region

Downgrade Windows Server 2008 R2 Standard Edition Reseller Option Kit

NOTE: Available for purchase from your local Hewlett Packard Enterprise Authorized reseller only when purchasing Windows Server 2012 or Windows Server 2012 R2 with an HPE ProLiant server.

Microsoft Windows Server 2008 R2 Standard Downgrade Kit ROK			768507 -xxx
Language Code Key for	xxx = 291	Japanese	APJ Region
768507 -xxx			

Downgrade Windows Server 2008 R2 Enterprise Edition Reseller Option Kit

NOTE: Available for purchase from your local Hewlett Packard Enterprise Authorized reseller only when purchasing Windows Server 2012 or Windows Server 2012 R2 with an HPE ProLiant server.

Microsoft Windows Server 2008 R2 Enterprise Downgrade Kit ROK			768508 -xxx
Language Code Key for	xxx = 291	Japanese	APJ Region
768508 -xxx			

Downgrade Windows Server 2008 R2 Datacenter Edition Reseller Option Kit

NOTE: Available for purchase from your local Hewlett Packard Enterprise Authorized reseller only when purchasing Windows Server 2012 or Windows Server 2012 R2 with an HPE ProLiant server.

Microsoft Windows Server 2008 R2 Datacenter Downgrade Kit ROK			768509 -xxx
Language Code Key for	xxx = 291	Japanese	APJ Region
768509 -xxx			

Downgrade Windows Server 2012

NOTE: For details on Windows Server 2012 Downgrades please refer to the Windows Server 2012 R2 QuickSpecs available at <http://www.hp.com/go/ws2012r2>

Product Features

Windows Server 2012

Windows Server 2012 captures the experience Microsoft has gained from building and operating public clouds to deliver a highly dynamic, available, and cost-effective server platform for your datacenter and your private cloud.

It offers businesses and hosting providers a scalable, dynamic, and multitenant-aware cloud infrastructure that connects more securely across premises and allows IT to respond to business needs faster and more efficiently.

Windows Server 2012 is an open, scalable, and elastic web and application platform. For distributed and mobile workforces, Windows Server 2012 empowers IT to help ensure people's access to their personalized work environment from virtually anywhere.

1. It takes you beyond virtualization. Windows Server 2012 offers a dynamic, multitenant infrastructure that goes beyond virtualization technology to provide a complete platform for building a private cloud. Going beyond virtualization lets you scale and secure workloads, cost-effectively build your cloud, and more securely connect to cloud services.

2. It delivers the power of many servers, with the simplicity of one. Windows Server 2012 offers you excellent economics by providing an integrated, highly available, and easy-to-manage multiple-server platform.

3. It opens the door to every app on any cloud. Windows Server 2012 is a broad, scalable, and elastic server platform that gives you the flexibility to build and deploy applications and websites on-premises, in the cloud, and in a hybrid environment, using a consistent set of tools and frameworks.

4. It enables the modern workstyle. Windows Server 2012 empowers IT to provide users with access to data and applications from virtually anywhere, from any device, with a rich user experience-while simplifying management and helping maintain security, control, and compliance.

Please review the hardware system requirements on the Windows Server 2012 website.

NOTE: For more information on full features of Window Server 2012, visit:
<http://www.microsoft.com/windowsserver2012>

Virtualization

Server virtualization technology has helped organizations of all sizes achieve considerable cost savings and operational efficiencies. As the technology continually evolves, many see the potential for going beyond basic virtualization features and benefits-such as consolidating server hardware-to create comprehensive platforms for private clouds.

Hyper-V is a virtualization platform that can help transform your organization's data center and cloud computing. It is available as either a stand-alone server product or an integrated feature of Windows Server.

With Windows Server® 2012 Hyper-V®, you can more efficiently run multiple operating systems in parallel, on a single server. Plus, you can use virtualization for almost any workload. And with more features, better scalability, and more built-in mechanisms for reliability, you'll be able to create a platform that works for you-not just today, but well into the future. No matter what that future brings.

For more information about Hyper-V and your opportunities to increase your server performance visit:
<http://www.microsoft.com/en-us/server-cloud/windows-server/2012-server-virtualization.aspx>

Product Features

HPE Insight Control

HPE Insight Control is essential server management that unleashes the management capabilities built into every HPE ProLiant server. The result is superior management of physical and virtual servers, from any location. Insight Control integrates specific management functionality into HPE Systems Insight Manager to manage server health, deploy and migrate servers quickly, optimize power consumption and performance, and control servers from anywhere.

HPE Insight Control for Microsoft System Center provides seamless integration of the unique ProLiant and BladeSystem manageability features into Microsoft System Center. Licensed as part of HPE Insight Control, these extensions deliver comprehensive system health and alerting, driver and firmware updates, OS deployment, detailed inventory, and proactive virtual machine management in a flexible, easy to install package. And HPE Insight Control for Microsoft System Center is backed by HPE Service and Support, ensuring timely service when you need it most.

HPE Insight Control for Microsoft System Center extends the best-managed ProLiant experience for customers who have standardized on a Microsoft System Center management platform.

- Prevent problems from occurring with proactive monitoring and management
- Quickly and reliably deploy bare metal servers
- Ensure consistency and maximize uptime with simplified driver and firmware updates
- Reduce unplanned downtime with proactive virtual machine movement
- Fully integrated into System Center means one less tool to learn and manage

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

HPE Integrated Lights Out (iLO)

Included in every HPE ProLiant Gen8 server, HPE iLO simplifies server setup, engages health monitoring, power and thermal control, and promotes remote administration (coming soon) without sacrificing the fast performance you have gotten accustomed to. The next generation of the HPE iLO - HPE iLO 4 management processor is the core foundation and the intelligence driving features like HPE Agentless Management, and HPE Active Health System, under the HPE iLO Management Engine portfolio.

- **HPE Agentless Management:** the base hardware monitoring and alerting capability is built into the system (running on the HPE iLO chip set) and starts working the moment that a power cord and an Ethernet cable is connected to the server.
- **HPE iLO Mobile App:** HPE iLO 4 brings additional efficiency and effective remote management at the touch of your fingertips. HPE iLO Mobile App. Allows you to immediate secured access to your server from the touch of your Smartphone or Tablet devices. Today we support Apple's iOS (iTouch, iPhone4, iPad), and Adroid Smartphones and Tablets with Android 2.3.
- **HPE iLO multi-language support:** Today we provide our customers with the ability to read the HPE iLO GUI in the following languages: English and Japanese; with the introduction of HPE iLO 4 we bring yet another language: simplified Chinese.
- **HPE Sea of Sensors 3D:** Today we increase the functionality of the popular HPE's Sea of Sensors. Introducing HPE Sea of Sensors 3D; adding approximately 28 additional thermal sensors on Hewlett Packard Enterprise branded networking and storage PCI cards, backplanes, and mezzanine cards for a 3D view of system cooling that automatically tracks thermal activity - heat - across the server. When temperatures get too high, sensors can kick on fans and make other adjustments to reduce energy usage.

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

Software Technical Support

HPE Software Technical Support provides remote software support services for Microsoft Server 2012. With HPE Software Technical Support, your IT staff receives fast and reliable access to HPE Global Support Centers. Hewlett Packard Enterprise technical resources work with your IT team to provide advice on software features and use, problem diagnosis and resolution, software defect identification,

Product Features

and access to patches.

This service also provides electronic access to comprehensive support information, allowing any member of your IT staff to locate essential product and support information.

Software Technical Support for Windows Server 2012 is available from HPE 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 HPE 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** - HPE 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** - Hewlett Packard Enterprise 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 HPE 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 The HPE 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-Hewlett Packard Enterprise products

NOTE: For more information, visit: <http://www.hp.com/services/softwaresupport>.

Microsoft Software Assurance

Boost productivity across your organization with new software versions, deployment planning services, 24x7 phone and web support, end-user training, unique desktop technologies and more, all in one cost-effective program.

With New Product Versions, every Microsoft product license that is covered by Software Assurance can be upgraded to the most recent version.

For example, if a new version of Microsoft Windows Server is made available during the term of your coverage, your licenses will automatically be upgraded to the new version. Customers that acquire perpetual licenses through Software Assurance can deploy the upgrades after their coverage has expired.

NOTE: For more information, please visit: <http://www.microsoft.com/licensing/programs/sa/default.mspx>

HPE Software Licensing and Management Solutions (SLMS)

HPE 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. Hewlett Packard Enterprise 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. Hewlett

Product Features

Packard Enterprise offers three comprehensive Microsoft licensing programs: Open, Select and Enterprise License.

NOTE: For more information on HPE SLMS, visit:

<http://h71028.www7.hp.com/enterprise/cache/8786-0-0-0-121.aspx>

Windows Server Catalog Definition

Microsoft's certification program allows HPE ProLiant servers a compatibility certification with Windows Server operating systems. HPE ProLiant Servers listed in the Windows Server Catalog have been rigorously tested and certified with Windows Server 2012.

NOTE: For information on ProLiant servers certified for Windows server, visit:

<http://www.hp.com/go/wincert>

NOTE: For details on Microsoft's server catalog and also a list of HPE ProLiant certified servers, visit: <http://www.windowsservercatalog.com/>.

Environment-friendly Products and Approach

End-of-life Management and Recycling

Hewlett Packard Enterprise offers end-of-life product return, trade-in, and recycling programs, in many geographic areas, for our products. Products returned to Hewlett Packard Enterprise will be recycled, recovered or disposed of in a responsible manner.

http://www8.hp.com/us/en/hpe/hp-information/livingprogress/environmentalprogress/product-recycling.html#.V-IPA_krKiM

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 Enterprise web site. These instructions may be used by recyclers and other WEEE treatment facilities as well as HPE OEM customers who integrate and re-sell Hewlett Packard Enterprise equipment.

http://www8.hp.com/us/en/hpe/hp-information/livingprogress/environmentalprogress/product-recycling.html#.V-IPA_krKiM

Summary of Changes

Date	Version History	Action	Description of Change
07-Oct-2016	From Version 11 to 12	Changed	QuickSpecs was rebranded.
28-Sep-2015	From Version 10 to 11	Added	Added Windows Server Standard Additional License SKUs with expanded license rights to Models.
		Changed	What's New section was updated. Models sections was revised.
24-Jul-2015	From Version 9 to 10	Added	English and Korean language options were added to APJ Region in option 701601-xxx (Worldwide version only).
		Removed	EMEA Region was removed from option 701590-xxx (Worldwide version only). LATAM Region was removed from option 717566-xxx (Worldwide version only).
01-Dec-2014	From Version 8 to 9	Added	Pre-Installed UEFI on Gen9 ProLiant Servers part numbers.
		Changed	What's New section was updated. Models section was revised.
10-Jun-2014	From Version 7 to 8	Added	Windows Server 2008 R2 Japanese ROK Downgrades
		Changed	Updated What's New section.
		Removed	Removed different Language Code Keys from Models section.
31-Mar-2014	From Version 6 to 7	Changed	Changes made to the Models section only.
29-Oct-2013	From Version 5 to 6	Changed	Changes made to the Models section only.
22-Feb-2013	From Version 4 to 5	Changed	Updated What's New and the Models Section.
19-Feb-2013	From Version 3 to 4	Added	Added the new part numbers of the Windows Server 2008 Downgrade Kits.
21-Dec-2012	From Version 2 to 3	Changed	Changes was made to Models: updated Windows Servers.
04-Dec-2012	From Version 1 to 2	Added	Added new Models.



Sign up for updates

© Copyright 2016 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

Microsoft and Windows are registered trademarks or trademarks of Microsoft Corporation in the U.S. and/or other countries.

For hard drives, 1GB = 1 billion bytes. Actual formatted capacity is less.

c04111446 - 14430 - Worldwide - V12 - 7-October-2016

