

### Overview

Together HP ProLiant Servers and SUSE Linux Enterprise Server provide a highly flexible, interoperable and manageable operating system for enterprise computing. A reliable, secure and scalable platform, it enables IT departments to cost effectively deliver a wide range of high performance compute services, both physical and virtual. Recommended by SAP and Microsoft for their customers that want to use Linux.

HP & Novell are partnering across the Enterprise to give you better technology for a broader chose and innovation, better management to maximize control, better performance to get more from IT and better support for a greater piece of mind. HP and Novell's thriving 20 year alliance continues with products and support on NetWare, Open Enterprise Server (OES) and SUSE Linux (SLES).

HP is your single point of purchase, contact, and accountability for SUSE Linux Enterprise Server (SLES). HP resells SLES subscriptions and provides full-service support on all certified and supported ProLiant and BladeSystem servers.

As the industry standard server market leader providing better technology, management, performance, and support, Linux simply runs better on HP ProLiant servers.

### What's New

- Latest operating system SLES 11 is now available
- A single part number and price buys a subscription for SUSE Linux Enterprise Server and customers can download ANY version of the operating system. Ensure to check the HP Linux support matrix: [www.hp.com/go/slescert](http://www.hp.com/go/slescert)

Models	SUSE Linux Enterprise - Integrated Subscription & Support, No Media	
	SLES for x86 32/64bit 2+P 1Y Subscription to Novell Customer Center; No Media; 9x5 Software Technical Support	452562-B21
	SLES for x86 32/64bit 2+P 3Y Subscription to Novell Customer Center; No Media; 9x5 Software Technical Support	452563-B21
	SLES for x86 32/64bit for HP BladeSystem Server 1Y Subscription to Novell Customer Center; No Media, Includes Support	452564-B21
	<b>NOTE:</b> Please see <b>NOTE</b> below at end of this section regarding this part number.	
	SLES for x86 32/64bit for HP BladeSystem Server 3Y Subscription to Novell Customer Center; No Media, Includes Support	452565-B21
	<b>NOTE:</b> Please see <b>NOTE</b> below at end of this section regarding this part number.	
	SLES for x86 32/64bit 2+P 1Y Subscription to Novell Customer Center; No Media; 24X7 Software Technical Support	456041-B21
	SLES for x86 32/64bit 2+P 3Y Subscription to Novell Customer Center; No Media; 24X7 Software Technical Support	456042-B21
	SLES for x86 32/64bit HP BladeSystem Server 1Y Subscription to Novell Customer Center; No Media; 24X7 Software Technical Support	456043-B21
	<b>NOTE:</b> Please see <b>NOTE</b> below at end of this section regarding this part number.	
	SLES for x86 32/64bit HP BladeSystem Server 3Y Subscription to Novell Customer Center; No Media; 24X7 Software Technical Support	456044-B21
	<b>NOTE:</b> Please see <b>NOTE</b> below at end of this section regarding this part number.	
	<b>SUSE Linux Enterprise 10 Media Only</b>	
	SLES10 Media Only	416064-B21
	<b>NOTE:</b> For more information on this product <a href="http://www.hp.com/go/proliantsles">http://www.hp.com/go/proliantsles</a>	

### Product Features

**NOTE:** For a brief, printer friendly data sheet that describes this product and informs you of the essential capabilities and specifications, please visit: <http://h71028.www7.hp.com/ERC/downloads/4AA0-3315ENW.pdf>.

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- SLES 11**
- **Flexible**
    - Supported on x86, x86\_64 processor architectures
    - Supports diverse workloads (e.g. third party ISV, Java, .NET)
    - Supports both physical and virtual services
    - Modular OS + functional extensions (e.g. Real Time Computing, VM Drivers, High Availability Clustering)
  - **Interoperable**
    - Cross platform virtualization (Hyper-V and Xen)
    - Heterogeneous systems management (e.g. CIM, WS-Man)
    - Cross platform directory integration
    - Virtualization
    - Optimized for ESX, Hyper-V, and Xen
    - Support for Integrity VM
    - KVM preview
  - **Manageable**
    - Single server (YaST, Novell Customer Center)
    - Multiple server (AutoYaST, Subscription Management Tool, ZENworks Linux Management, PlateSpin Orchestrate)
  - **Reliable**
    - Monitoring and event notification
    - Support diagnostics and update management
    - Hot plug CPU, memory, and PCI
    - Multipath I/O, network channel bonding
    - Swap over NFS
  - **Secure**
    - AppArmor application security
    - SE Linux preview
  - **Scalable**
    - Supports up to 4096 cores (Itanium) and 512 cores (x86\_64)
    - Supports up to 23 TB RAM
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- SLES + HP**
- Save money in virtualized environments: run multiple instances of SUSE Linux Enterprise Server on the same physical server at no additional charge.
  - Combine HP SIM with Novell Resource Management Solutions for lower deployment and life cycle management costs.
  - Supports true HW virtualization through AMD and Intel virtualization processor technology on ProLiant & BladeSystem servers.
  - Reduce costs and improve server utilization, with maximum performance and reliability, while maintaining a high level of security.
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### Product Features

#### HP & Novell

HP & Novell gives customers the choice of either buying a SUSE subscription license for each blade server or buying a SUSE subscription license for the entire Blade Chassis.

- If customer chooses to buy a SUSE license for each single blade then the regular server price sku applies since single blades are servers.
- On the other hand, the SUSE Chassis subscription license is calculated by ((Max# blades per Chassis) x (regular server price) divided by 2. The Blade Chassis can run SLES on all the blade servers that the chassis can hold.

Therefore if a customer is populating more than 1/2 of the available chassis slots with SUSE blade servers, then the Blade Chassis license is the way to go. If the customer is only installing one or two SUSE blade servers and using the other chassis slots for other blades like Red Hat or Windows or any other kind of blade then the individual SUSE license for each server makes better sense.

#### HP ProLiant & BladeSystem Server Support

#### SLES Support

HP offers software support that includes access to experienced HP response engineers for reliable advice on software features and use, problem diagnosis and resolution, and software-defect identification. HP offers software support in a number of options, including incident/unlimited support available 9x5 and 24x7 depending on the service level required. Software support also provides customers with access to software updates for the SUSE Linux operating system through Novell.

- ProLiant and BladeSystem Certification and Support  
[http:// www.hp.com/go/slescert](http://www.hp.com/go/slescert)
- NetWare OES Support  
<http://h10018.www1.hp.com/wwsolutions/novell/index-all.html>
- NetWare Certification and Support  
<http://h10018.www1.hp.com/wwsolutions/novell/index-all.html>
- SUSE Services and Support Web Site (great one-stop shop for all SUSE services):  
[www.hp.com/services/sles](http://www.hp.com/services/sles)

Below are the highlights of the Software Technical Support Service

- **9x5x365 or 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 Novell
- **Installation advisory** - Advisory support is available for help with installation and updating of standalone applications or products installed in a network environment.
- **Software updates and licensing** - Complete HP and selected third-party software product and documentation updates through the Novell Customer Center
- **Electronic software information** - Access HP's electronic support facility including symptom-solution database, product descriptions, specifications, technical literature, and more.

### Product Features

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**Supported Definition** HP supported indicates the server has been tested and is fully supported by HP. ProLiant and BladeSystem drivers/downloads are available if applicable for each server that HP supports. To obtain these drivers/downloads, click on the server with this matrix.

For a comprehensive list of supported servers, please see: <http://www.hp.com/go/slescert>  
SLES: <http://www.hp.com/go/proliantsles>

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**Certified Definition** Vendor certified and HP supported indicates the server has been tested, is certified by our Linux Partner, and is fully supported by HP. Links to our certification partners' websites can be found by clicking on the server within this matrix.

- SLES Certified and Supported Matrix: <http://www.hp.com/go/slescert>
  - Xen Certification: <http://h18004.www1.hp.com/products/servers/linux/hpLinuxcert-novell.html>
  - ProLiant and SLES: <http://www.hp.com/go/proliantlinux>
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**How to Purchase a Linux Operating System from HP** Whether you want to purchase a ProLiant or BladeSystem server together with SLES or just want to purchase SLES standalone, HP can assist you with these requests.

- With an HP server
  - All Novell SUSE Linux software must be purchased with a Novell SUSE Linux software subscription of 1 or 3 year and HP support 9 x 5 or 24 x 7 increments.
- Buy Novell SUSE Linux software for a recently purchased ProLiant or BladeSystem server
  - All Novell SUSE Linux software must be purchased with a Novell SUSE Linux software subscription of 1 or 3 year and HP support 9 x 5 or 24 x 7 increments.
- Standalone (without a server), customers can quote the below part numbers or call our HP Direct sales team 1-800-597-4662 for further information.
  - All Novell SUSE Linux software must be purchased with a Novell SUSE Linux software subscription of 1 or 3 year and HP support 9 x 5 or 24 x 7 increments.

More information can be obtained at: <http://www.hp.com/buy/sles>

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### Product Features

#### Linux Installation and Startup Services

HP Installation and Startup for Linux takes the pressure off your people and helps shorten your time-to-benefits. Available in two versions, this HP Care Pack service encompasses all deployment activities necessary to get you up-and-running fast.

Package 1, a fixed-price, fixed-content service, provides for operating system and TCP/IP network protocol installation and integration; network interface card configuration; printer queue setup; Remote Insight Lights-Out (RILO) or Management Processor board configuration; installation of HP Insight Management Agent software for servers; initiation of a one-time tape backup; and basic usage orientation.

Package 2, a custom-quoted service, may include any or all Package 1 deliverables - plus more complex activities such as "send mail" configuration, DNS configuration of network applications, hard drive partitioning, and NFS client and server installation.

**NOTE:** For additional information on these services please visit the following web site:  
<http://www.hp.com/go/linuxservices>

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### Additional Features

#### HP Web Sites

- HP's Product Page: <http://www.hp.com/go/slesservers>
- How to Buy SLES Products from HP: <http://www.hp.com/buy/sles>
- HP Linux web site: <http://www.hp.com/go/linux>
- ProLiant Linux: <http://www.hp.com/go/proliantlinux>
- HP + Novell: <http://www.hp.com/go/novell>
- SUSE: <http://www.hp.com/go/suse>
- More Linux Products from HP: <http://www.hp.com/go/linuxproducts>
- Registering for HP's Novell Linux Care Pack support: <http://www.hp.com/go/suseregistration>

## Related Options

### Service and Support Offerings (HP Care Pack Services)

**NOTE:** To compliment the 9x5 Software Technical support bundled with your subscription; additional service packages are available to help you achieve and maintain the highest level of system availability and performance.

#### Service Packages for 452562-B21 (SLES 2+ Processor Sockets, 1 Year, 9x5 Support)

HP Support Plus - per server 13x5 STS unlimited HA109A1-78U

#### Service Packages for 452563-B21 (SLES 2+ Processor Sockets, 3 Years, 9x5 Support)

HP Support Plus - per server 13x5 STS unlimited HA109A3-78V

#### Service Packages for 452564-B21 (SLES BladeSystem Server, 1 Year, 9x5 Support)

HP Support Plus - per server 13x5 STS unlimited HA109A1-7K4

#### Service Packages for 452565-B21 (SLES BladeSystem Server, 3 Years, 9x5 Support)

HP Support Plus - per server 13x5 STS unlimited HA109A3-7K5

**NOTE:** To compliment the following 24x7 Software Technical support bundled with your subscription; additional service packages are available to help you achieve and maintain the highest level of system availability and performance.

#### Service Packages for 456041-B21 (SLES 2+ Sockets, 1 Year, 24x7 Support)

HP Support Plus 24 - per server 24x7 unlimited HA110A1-7K6

HP Proactive 24 - per server 24x7 unlimited HA111A1-7K6

HP Critical Service - per server 24x7 unlimited HA112A1-7K6

#### Service Packages for 456042-B21 (SLES 2+ Sockets, 3 Year, 24x7 Support)

HP Support Plus 24 - per server 24x7 unlimited HA110A3-7K7

HP Proactive 24 - per server 24x7 unlimited HA111A3-7K7

HP Critical Service - per server 24x7 unlimited HA112A3-7K7

#### Service Packages for 456043-B21 (SLES BladeSystem Server, 1 Year, 24x7 Support)

HP Support Plus 24 - per server 24x7 unlimited HA110A1-7K8

HP Proactive 24 - per server 24x7 unlimited HA111A1-7K8

HP Critical Service - per server 24x7 unlimited HA112A1-7K8

#### Service Packages for 456044-B21 (SLES BladeSystem Server, 3 Year, 24x7 Support)

HP Support Plus 24 - per server 24x7 unlimited HA110A3-7K9

HP Proactive 24 - per server 24x7 unlimited HA111A3-7K9

HP Critical Service - per server 24x7 unlimited HA112A3-7K9

### SUSE Linux Enterprise Server 10

#### Software Technical Support - Unlimited (per server)

HP 1 YR 9x5 SUSE x86 2-32 CPU SW Support UE863E

HP 1 YR 24x7 SUSE x86 2-32 CPU SW Support UE864E

HP 3 YR 9x5 SUSE x86 2-32 CPU SW Support UE865E

HP 3 YR 24x7 SUSE x86 2-32 CPU SW Support UE866E

HP 1 YR 24x7 SUSE x86 BladeSystem Server SW Support UD602E

HP 3 YR 24x7 SUSE x86 BladeSystem Server SW Support UD604E

HP 1 YR 9X5 SUSE x86 BladeSystem Server SW Support UD601E

HP 3 YR 9X5 SUSE x86 BladeSystem Server SW Support UD603E

## *Technical Specifications*

<b>Shipping Dimensions</b> (HxWxD)	7.25 x 10.00 x 1.5 in (18.41 x 25.4 x 3.81 cm)
<b>Shipping Weight</b>	1.24 lb (0.56 kg)

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