

### Overview

SUSE® Linux Enterprise Server empowers businesses to leverage Linux and open source by delivering a flexible and scalable foundation for secure enterprise computing. HP fully supports, certifies, and sells SUSE Linux Enterprise Server (SLES) for ProLiant, BladeSystem and Integrity Servers.

From blades to clusters, HP ProLiant servers offer impressive manageability and availability. HP BladeSystem servers can be an ideal foundation for the simplification of data center environments. And HP Integrity servers offer the reliability and scalability that the most demanding Linux workloads need.

HP and SUSE are joint open source market and community leaders, thus bringing our customer ROI-based solutions with a single point of accountability for server, software and services. Our customers have trusted the HP and SUSE partnership for over 20 years.

**NOTE:** 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)

---

## What's New

### SLES for SAP Applications

This new solution maximizes uptime and availability, reduces costs and improves performance. It also takes advantage of additional enterprise services, dedicated updates and maintenance. SUSE Linux Enterprise Server for SAP Applications is based on the newest SUSE Linux Enterprise technology, a highly reliable, scalable, secure and optimized server operating system that is built to power both physical and virtual mission-critical workloads.

Optimized for fast deployment. An end-to-end installation framework installs and deploys applications in hours, not days.

Optimized performance. Built-in joint validation and certification by SAP and SUSE eliminate incompatibilities.

Optimized for business continuity. The SUSE Linux Enterprise High Availability Extension is built in. This is an affordable, integrated solution for physical and virtual Linux deployments

### Enhance your SLES subscription with SLES High Availability Extension

SUSE Linux Enterprise High Availability Extension is an affordable, integrated suite of robust, open source clustering technologies that you can use to implement highly available physical and virtual Linux clusters, and eliminate single points of failure. Used with SUSE Linux Enterprise Server, it helps you maintain business continuity, protect data integrity, and reduce unplanned downtime for your mission-critical Linux workloads.

Using SUSE Linux Enterprise High Availability Extension helps you meet your service level agreements, ensure continuous access to your business systems, and ensure data integrity—and do it all cost effectively. You need both SUSE Linux Enterprise Server and SUSE Linux Enterprise High Availability Extension to set up highly available Linux clusters

### Electronic Delivery for SUSE Subscriptions

HP offers the SLES subscriptions for Electronic Delivery as another option of the Paper Entitlement (Print to Order) currently available. Save time by receiving your Entitlement by email and reduce paper waste.

The registration process will continue without changes in 3 simple steps:



### Overview

HP Entitlement Certification received Printed (regular mail) or Emailed

Go to HP's Software Licensing Portal (link it to <http://www.webware.hp.com/>)

Once you retrieve your keys, then you can go to SUSE web site (link it to <http://www.novell.com/reg>) to activate your subscriptions

Models	<b>SUSE Linux Enterprise - Integrated Subscription &amp; Support, No Media</b>	
	<b>Channel Partners &amp; Distributors Please Note:</b> SLES subscriptions from HP are non-stock-able. The same SLES subscriptions may be ordered either on-demand or as individual (separate) orders. HP encourages channel partners and distributors to pick one ordering option to avoid confusion and customer issues.	
	SUSE Linux Enterprise Server 2 Plus Sockets 1 Year Subscription 9x5 Support No Media Lic	QK655A
	SUSE Linux Enterprise Server 2+ Sockets 1 Year Subscription 9x5 Support No Media Lic E-LTU	QK655AAE
	SUSE Linux Enterprise Server 2 Plus Sockets 3 Year Subscription 9x5 Support No Media Lic	QK656A
	SUSE Linux Enterprise Server 2+ Sockets 3 Year Subscription 9x5 Support No Media Lic E-LTU	QK656AAE
	SUSE Linux Enterprise Server Blade Enclosure 1 Year Subscription 9x5 Support No Media Lic	QK660A
	SUSE Linux Enterprise Server Blade Enclosure 1 Year Subscription 9x5 Support No Media Lic E-LTU	QK660AAE
	SUSE Linux Enterprise Server Blade Enclosure 3 Year Subscription 9x5 Support No Media Lic	QK661A
	SUSE Linux Enterprise Server Blade Enclosure 3 Year Subscription 9x5 Support No Media Lic E-LTU	QK661AAE
	SUSE Linux Enterprise Server 2 Plus Sockets 1 Year Subscription 24x7 Support No Media Lic	QK657A
	SUSE Linux Enterprise Server 2+ Sockets 1 Year Subscription 24x7 Support No Media Lic E-LTU	QK657AAE
	SUSE Linux Enterprise Server 2 Plus Sockets 3 Year Subscription 24x7 Support No Media Lic	QK658A
	SUSE Linux Enterprise Server 2+ Sockets 3 Year Subscription 24x7 Support No Media Lic E-LTU	QK658AAE
	SUSE Linux Enterprise Server Blade Enclosure 1 Year Subscription 24x7 Support No Media Lic	QK662A
	SUSE Linux Enterprise Server Blade Enclosure 1 Year Subscription 24x7 Support No Media Lic E-LTU	QK662AAE
	SUSE Linux Enterprise Server Blade Enclosure 3 Year Subscription 24x7 Support No Media Lic	QK663A
	SUSE Linux Enterprise Server Blade Enclosure 3 Year Subscription 24x7 Support No Media Lic E-LTU	QK663AAE
	<b>SUSE Linux Enterprise for SAP</b>	
	SUSE Linux Enterprise Server for SAP 3 Year Subscription 24x7 Support No Media Flex Lic	BC474A

### Overview

SUSE Linux Enterprise Server for SAP 3 Year Subscription 24x7 Support No Media E-LTU <b>SUSE High Availability Extension (HAE)</b> <b>NOTE:</b> Support is not bundled with SLES HAE because it inherits the same level of support as from the SLES subscription purchased.	BC474AAE
SUSE Linux Enterprise High Availability Extension 3 Year Subscription No Support No Media Flex Lic	BD485A
SUSE Linux Enterprise High Availability Extension 3 Year Subscription No Support No Media E-LTU	BD485AAE
<b>SUSE Linux Enterprise 10 Media Only</b> SUSE Linux Enterprise Server 10 Media Only SW (SP4) <b>NOTE:</b> For more information on this product see the link and section below <a href="http://www.hp.com/go/proliantsles">http://www.hp.com/go/proliantsles</a> .	416064-B21

### Product Features

#### BladeSystem subscriptions

HP & SUSE give 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 product number 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.

---

#### SLES 11

- SUSE Linux Enterprise Server 11 Service Pack 1 (SP1) with built in virtualization able to support up to 128 VMs per physical server, scalability up to 4096 CPUs and 16 TB, and support for the latest Intel and AMD processors, SUSE Linux Enterprise Server and HP ProLiant G7 servers deliver a more virtualized, energy efficient, and converged infrastructure that can pay for itself in as little as two months.
  - Virtualized - HP FlexFabric and SLES support for VMware, HyperV, Xen 4.0, and KVM can help you achieve consolidation ratios of up to 20:1
  - Energy Efficient - HP Dynamic Power Capping and SLES supported power management features can help reduce your energy cost 97%
  - Converged Infrastructure - A single common modular infrastructure built on HP hardware, software, and services running on a highly reliable SLES operating environment
- **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, SUSE 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

### Product Features

- 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
- 

### 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 SUSE 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.
- 

### 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 packages unlimited/per server software support with SLES subscriptions and provides a choice of 9x5 or 24x7 coverage. Customers also have option of purchasing Support Plus/Support Plus 24 which provides coverage for both the hardware and software or customers may choose even higher levels of service including Proactive 24 or Critical Service for Mission Critical environments. Software support also provides customers with access to software updates for the SUSE Linux operating system through SUSE.

- ProLiant and BladeSystem Certification and Support  
<http://www.hp.com/go/slescrt>
- 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

- **9x5 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
-

### Product Features

to SUSE

- **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 SUSE Customer Center
  - **Electronic software information** - Access HP's electronic support facility including symptom-solution database, product descriptions, specifications, technical literature, and more.
- 

### 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/slescercert>
  - SLES: <http://www.hp.com/go/proliantsles>
- 

### 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/slescercert>
  - Xen Certification: <http://h18004.www1.hp.com/products/servers/linux/hpLinuxcert-novell.html>
  - ProLiant and SLES: <http://www.hp.com/go/proliantlinux>
- 

### 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 SUSE Linux software must be purchased with a SUSE Linux software subscription of 1 or 3 year and HP support 9 x 5 or 24 x 7 increments.
- Buy SUSE Linux software for a recently purchased ProLiant or BladeSystem server
  - All SUSE Linux software must be purchased with a 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 SUSE Linux software must be purchased with a SUSE Linux software subscription of 1 or 3 year and HP support 9x5 or 24x7 increments.

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

---

### 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>

---

### 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 + SUSE: <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 SUSE Linux Care Pack support: <http://www.hp.com/go/suseregistration>

### Related Options

<b>SUSE Linux HPC Offering from HP on ProLiant Servers</b>	SUSE Linux Enterprise Server Base 8 Pack 1 Head Node 1 Year Subscription No Support No Media Lic	QK664A
	SUSE Linux Enterprise Server Base 8 Pack 1 Head Node 1 Yr Subscription No Support No Media Lic E-LTU	QK664AAE
	SUSE Linux Enterprise Server Add on 8 Pack 1 Year Subscription No Support No Media Lic	QK665A
	SUSE Linux Enterprise Server Add on 8 Pack 1 Year Subscription No Support No Media Lic E-LTU	QK665AAE
	SUSE Linux Enterprise Server Base 8 Pack 1 Head Node 3 Year Subscription No Support No Media Lic	QK666A
	SUSE Linux Enterprise Server Base 8 Pack 1 Head Node 3 Yr Subscription No Support No Media Lic E-LTU	QK666AAE
	SUSE Linux Enterprise Server Add on 8 Pack 3 Year Subscription No Support No Media Lic	QK667A
	SUSE Linux Enterprise Server Add on 8 Pack 3 Year Subscription No Support No Media Lic E-LTU	QK667AAE

**NOTE:** HPC incident based support is available from HP (see HP Care Pack Services)

### HP Care Pack Services

**NOTE:** To complement 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 QK655A and QK655AAE**

**(SLES 2+ Processor Sockets, 1 Year, 9x5 Support)**

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

**Service Packages for QK656A and QK656AAE**

**(SLES 2+ Processor Sockets, 3 Years, 9x5 Support)**

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

**Service Packages for QK660A and QK660AAE**

**(SLES BladeSystem Server, 1 Year, 9x5 Support)**

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

**Service Packages for QK661A and QK661AAE**

**(SLES BladeSystem Server, 3 Years, 9x5 Support)**

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

**NOTE:** To complement 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 QK657A and QK657AAE**

**(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

HP Critical Advantage L2 SLES 32/64bit 1yr SW Svc UZ543

**Service Packages for QK658A and QK658AAE**

**(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

### Related Options

HP Critical Service - per server 24x7 unlimited	HA112A3-7K7
HP Critical Advantage L2 SLES 32/64bit 3yr SW Svc	UZ544
<b>Service Packages for QK662A and QK662AAE (SLES BladeSystem Server, 1 Year, 24x7 Support)</b>	
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
HP Critical Advantage L2 SLES 32/64Blade 1yr SW Svc	UZ545
<b>Service Packages for QK663A and QK663AAE (SLES BladeSystem Server, 3 Year, 24x7 Support)</b>	
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
HP Critical Advantage L2 SLES 32/64Blade 3yr SW Svc	UZ546
<b>Services Packages (HPC) for QK664A and QK664AAE (SLES Base 1 Head Node, 8 Compute 1yr, No Support)</b>	
HP 1 year 24x7 10 incidents SUSE IA32 Software Technical Support	U9936E
HP 1 year 9x5 10 incidents SUSE IA32 Software Technical Support	U9935E
<b>Services Packages (HPC) for QK665A and QK665AAE (SLES Add-On, 8 Compute Nodes 1yr, No Support)</b>	
HP 1 year 24x7 10 incidents SUSE IA32 Software Technical Support	U9936E
HP 1 year 9x5 10 incidents SUSE IA32 Software Technical Support	U9935E
<b>Services Packages (HPC) for QK666A and QK666AAE (SLES Base 1 Head Node, 8 Compute 3yr, No Support)</b>	
HP 1 year 24x7 10 incidents SUSE IA32 Software Technical Support	U9936E
HP 1 year 9x5 10 incidents SUSE IA32 Software Technical Support	U9935E
<b>Services Packages (HPC) for QK667A and QK667AAE (SLES Add-On, 8 Compute Nodes 3yr, No Support)</b>	
HP 1 year 24x7 10 incidents SUSE IA32 Software Technical Support	U9936E
HP 1 year 9x5 10 incidents SUSE IA32 Software Technical Support	U9935E
<b>Services Packages for BC474A and BC474AAE (SLES SAP 3 yr 24x7 support)</b>	
HP Support Plus 24 - per server 24x7 unlimited	HA110A3-2UH
HP Proactive 24 - per server 24x7 unlimited	HA111A3-2UH
HP Critical Service - per server 24x7 unlimited	HA112A3-2UH
HP Critical Advantage L2 SLES 32/64Blade 3yr SW Svc	U0L76E
<b>Additional Critical Advantage Service Packages for SLES subscriptions -not bundled with HP support</b>	
HP Critical Advantage L2 SLES x86 32/64b 1yr SW Svc	HN053E
HP Critical Advantage L2 SLES x86 32/64b 3yr SW Svc	HN054E
HP Critical Advantage L2 SLES 32/64 bit 1yr Bld Svc	HN055E
HP Critical Advantage L2 SLES 32/64 bit 3yr Bld Svc	HN056E

### *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)

---

© Copyright 2012 Hewlett-Packard Development Company, L.P.

The information contained herein is subject to change without notice.

NetWare and SUSE are registered trademarks of The Attachmate Group, Inc., in the U.S.

Linux is a U.S. registered trademark of Linus Torvalds.

The only warranties for HP 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. HP shall not be liable for technical or editorial errors or omissions contained herein