

Overview

Rapid Deployment Pack (RDP) is a complete deployment solution for HP ProLiant servers. RDP automates the process of deploying and provisioning server software, enabling companies to quickly and easily adapt to changing business demands. RDP combines an off-the-shelf version of Altiris Deployment Solution with a ProLiant Integration Module (PIM). The PIM consists of software optimizations for ProLiant Servers which include the SmartStart Scripting Toolkit, configuration jobs for industry-standard operating systems, sample unattended files, and ProLiant Support Packs that include software drivers, management agents, and important documentation. Altiris Deployment Solution provides a web-based management console that has an intuitive user interface making deployment of a server or multiple servers easy and consistent. Deploying servers can be done through Altiris' imaging feature or through scripting using the SmartStart Scripting Toolkit.

RDP is available in either a Windows Edition or a Linux Edition. The Linux Edition is hosted on a Linux server and is intended for homogeneous Linux environment deploying only Linux systems. The Windows Edition (see separate QuickSpecs document) is hosted on a Windows server and is intended for heterogeneous environments deploying both Windows and Linux systems.

Available Packs and Purchase Information

ProLiant Essentials Rapid Deployment Pack

(Featuring: Altiris Deployment Solution for Linux and HP ProLiant Integration Module including the exclusive SmartStart Scripting toolkit)

NOTE: RDP Linux Edition and RDP Windows Edition share the same part numbers, licensing options and pricing. Both products are shipped together in the Rapid Deployment Pack software package.

RDP Licensing Options	Software Option Kit - 1 server NOTE: This license allows 1 server to be deployed and managed via RDP.	267196-B21
	Software Option Kit - 1 server (Japan) NOTE: This license allows 1 server to be deployed and managed via RDP.	267196-291
	Software Option Kit - 10 servers NOTE: This license allows 10 servers to be deployed and managed via RDP.	269817-B21
	Software Option Kit - 10 servers (Japan) NOTE: This license allows 10 servers to be deployed and managed via RDP.	269817-291
	Flexible-Quantity License Kit NOTE: For use with multiple servers. This part number can be used to purchase multiple licenses with a single activation key. The quantity ordered of this part number will be the quantity of licenses included in the kit in the form of a corresponding activation key. Use the same key to activate all licenses in the actual quantity ordered. For a given order, one kit will be delivered with the activation key, and documentation.	302127-B21
	AKA Tracking License NOTE: For use with signed and implemented Activation Key Agreements only. Purchase of this part number entitles the customer to deploy additional licenses of the product under the terms of the existing Activation Key Agreement. Nothing is delivered in conjunction with the purchase of this part number. Visit http://h18004.www1.hp.com/products/servers/proliantessentials/license/akalic.html for more information on Activation Key Agreements.	302128-B21
	ProLiant BL p-Class Server Blade Enclosure and Software Option Kit – 8 server NOTE: This license allows 8 servers to be deployed and managed. Only available with the purchase of ProLiant BL p-Class server blade enclosure.	281404-B21

Overview

Licensing and packaging One license is required for every server to be deployed and managed via the Deployment Server. Licenses are non-transferable. Full details are contained in the End User License Agreement.

To simplify the evaluation process a 7-day, 10-server evaluation license is built into every copy of RDP, eliminating the need to obtain a key before installing the software. This free license is automatically activated with the initial software installation.

RDP, whether purchased separately or with the ProLiant BL server enclosures, also provides for a free 30-day evaluation for 10 servers, available for download at <http://www.hp.com/servers/rdp-le>.

- The 30-day, 10 server evaluation license can be added to the 7-day trial license.
- Licenses are additive such that you can combine multiple licenses together for the total number of server licenses you have purchased.

To order RDP, contact your Account Manager or HP Authorized Reseller, or purchase online at

<http://www.hp.com/servers/rdp-le>.

For more information regarding ProLiant Essentials Software visit

<http://www.hp.com/servers/proliantessentials>.

For more information regarding ProLiant Essential Rapid Deployment Pack visit <http://www.hp.com/servers/rdp-le>.

For additional information on other HP manageability products and services, visit <http://hp.com/servers/manage>.

Standard Features

- Benefits**
- Provides a fast and easy solution for deploying standard server configurations and software builds in an automated fashion from a remote console.
 - Improved overall consistency of configurations across multiple servers.
 - Reduced IT resource requirements during large-scale deployments.
 - Provides tested set of deployment scripts and instant out-of-the-box functionality for ProLiant ML, DL and BL servers.
 - HP offers a complete choice of services to ensure the success of your ProLiant server deployment program.

Product Features

Provides instant out-of-the-box functionality for the ProLiant ML and DL 300, 500 and 700 Series servers and the ProLiant BL blade servers.

Provides a fast, easy, point-and-click solution for deploying standard server configurations and software builds in an automated fashion from a remote console:

- Simplifies automated server deployment allowing companies to rapidly respond to changing workloads.
- Establishes virtual presence and control for server deployments and redeployments within the data center or at remote locations, eliminating the need for IT personnel to be physically present.

The ProLiant Integration Module (PIM) integrates essential HP Support Software

- Includes the SmartStart Scripting Toolkit, providing the foundation for standard server configuration scripts.
- The PIM provides latest versions of the SmartStart Scripting Toolkit, HP optimized drivers and management agents along with HP supplied deployment jobs and scripts pre-loaded in the RDP console.
- HP supplied deployment jobs and scripts, using SmartStart technology, maximize productivity with instant out-of-the-box functionality - automating the process of server configuration and software deployment - driving world-class levels of IT efficiency and decreasing the Total Cost of Ownership.
- Operating system integration is a snap with HP supplied configuration events for Linux further simplifying the initial OS deployment and driver integration steps all in an automated fashion.

Unique Features for ProLiant BL servers

- Designed for blade servers - Rapid Deployment Pack is the deployment solution of choice for the ProLiant BL line of servers.
- Enables rapid serviceability with Rip and Replace features. Pre-failure alerts enable proactive replacement of blade servers for service. New blades automatically assume personality of previous server based on location.
- Blade servers are easy to identify by physical location in racks - blades are displayed with easy to understand icons of rack, enclosure, bay.
- With Virtual Rack, Enclosure, Bay features, users can now assign an event to be executed the first time a blade is inserted into the bay. The user will have the ability to create a virtual enclosure and its associated virtual bays via a console interface and the ability to associate a single event with the bays of the enclosure when they are created.

Standard Features

Deployment Infrastructure Components The infrastructure components required to use the RDP include a deployment server, a DHCP server, a PXE server, a database server, and a file server. For a simple deployment infrastructure, the functionality of all these servers can be combined into one physical server.

- The deployment server is the central repository which includes a file share, a database and PXE server.
- The file share stores scripts, configurations, your operating system, ProLiant server software files and disk images that you may use to deploy a server.
- A database server (PostgreSQL), stores server profiles and hardware/software inventory. The database server logs all configuration activities that occur with the deployment server.
- The PXE server provides the functionality to boot a remote server over the network.
- A DHCP server is required if you intend to using PXE to perform server deployments. The DHCP server assigns temporary IP addresses to the server you are deploying.

Service & Support

HP Services provides the knowledge and expertise to quickly install and configure HP ProLiant servers. We then follow up with the comprehensive support, training, and guidance you need. The primary goal of these services is to get your servers up and running efficiently, 24x7, with minimal effect on in-house resources. By relying on HP technical experts, you take the worry and risk out of server deployment-while saving time and money. Rapid Deployment Pack Support Services provide cost-effective, reliable installation, support, and technical training. And they give your IT staff the knowledge and hands-on experience they need to more effectively manage your server environment.

HP ProLiant Essentials Rapid Deployment Pack Support Services cover four phases:

- Installation and startup
- Implementation
- Software Support
- Education

Installation and Startup

This service provides installation and startup of the HP Rapid Deployment Pack software on a customer-supplied HP ProLiant server. HP will install the ProLiant Essentials Rapid Deployment Pack software and provide a practical demonstration of the product by using it to deploy an image to a single server. The new server will be deployed using one of the preconfigured scripts provided by HP or by using an image from an existing ProLiant server at your location. This service also provides for the capture and storage of the newly deployed server's configuration on a storage device.

For more information: <http://www.hp.com/go/rdp-services>

Standard Features

Implementation

The Implementation service assesses your current server environment, provides pre-installation planning, and manages the implementation of RDP software.

This service is available in two versions:

- Basic service: This service provides for the implementation of HP Rapid Deployment Pack and the deployment of images on up to five HP ProLiant target servers located at a single site. This service can be purchased in a convenient Care Pack
- Custom service: This service provides for custom installation of HP Rapid Deployment Pack based on a statement of work developed by HP and the customer.

As part of the implementation process, an HP services specialist verifies that the deployed images are fully operational. Once verification has been completed, your IT staff receives an orientation on product usage and deployment management.

For more information: <http://www.hp.com/go/rdp-services>

Software Support

With HP Software Support for RDP provided as part of the ProLiant Essentials Environmental service offer, you have fast and reliable access to HP Response Center engineers, who can provide immediate guidance on software features and usage, problem diagnosis and resolution, software patches, and defect identification and analysis.

Software support can be purchased in Incident Packs of 3 calls. The service allows any member of your IT staff to locate essential product support information. Features include:

- Telephone problem diagnosis and support
- Electronic software information
- Fast problem detection and resolution
- Remote access
- Installation advisory support
- 24x7 coverage window
- 2-hour response
- Escalation management
- Access to high-level technical expertise; three levels of engineering support

For more information: <http://www.hp.com/go/rdp-services>

Standard Features

Education Services

Training is an essential part of server deployment. The ProLiant Essentials curriculum provides a broad range of instructor-led and online courses, designed to build both core and advanced skills in server implementation and management.

Education services can be purchased in two ways:

- HP Care Pack Total Education: This pack provides "credits" that can be used for any of more than 200 different instructor-led courses offered at HP education centers. Credits can also be used for any of more than 3,000 online courses offered through the HP IT Resource Center.
- Technology-specific HP Care Pack: These services are designed to meet particular training needs specific to a certain technology or level of training.

For more information: <http://www.hp.com/go/rdp-services>

Customer Usage Scenarios

Usage Scenario 1

Customers deploying 50+ ProLiant servers per year are looking for automated, unattended ways to get their servers up and running as quickly as possible. Fewer IT resources are required when using RDP for high volume server deployment; this enables IT resources to be redeployed to other important tasks.

Usage Scenario 2

Customers looking for a simpler way to manage multi-server deployments: The Altiris Deployment Solution with the SmartStart Scripting Toolkit provides a fast, easy, point-and-click solution for deploying and maintaining standard server software configurations. This solution provides a method for deploying servers from a remote console. The console provides an easy view of server configurations and servers that have been deployed, easy management and deployment of imaging or scripting events and most importantly a point-and-click method for deploying servers.

Usage Scenario 3

Early adopters of latest technology will find the RDP useful in their data centers. The ideal customer is looking for advanced deployment methods that take advantage of booting over the network with PXE, and sophisticated imaging and scripting technology.

Complementary Products

- ProLiant Essentials Foundation Pack* (shipped with every ProLiant ML and DL 300, 500 and 700 Series server)
- ProLiant Essentials Performance Management Pack
- ProLiant Essentials Workload Management Pack
- Remote Insight Lights-Out II and Integrated Lights-Out
- ProLiant Essentials Integrated Lights-Out Advanced Pack
- ProLiant Essentials Intelligent Networking Pack
- ProLiant Essentials Vulnerability and Patch Management Pack
- ProLiant Essentials Virtual Machine Management Pack
- HP Systems Insight Manager

* NOTE: May be named the Server Setup & Management Pack in some servers.

Technical Specifications

Deployment server system requirements	Intel® Pentium® III or higher processor 256 MB RAM
Supported operating systems for deployment server	Red Hat Enterprise Linux 3 Update 5 (x86) Red Hat Enterprise Linux 4 Update 1 (x86) SuSE Enterprise Linux 9 SP1 (x86)
Supported operating systems for NFS server	Red Hat Enterprise Linux 3 SuSE Enterprise Linux 9 SP1 For more details about requirements for the deployment server, refer to the Deployment Solution User Guide at http://www.hp.com/servers/rdp-le . NOTE: For more complete and up-to-date information for OS and platform support, refer to the Support Matrix at http://www.hp.com/servers/rdp-le
Supported operating systems for target deployments	Red Hat Enterprise Linux 3 Update 5 (x86 and AMD64/EM64T) Red Hat Enterprise Linux 4 Update 1 (x86 and AMD64/EM64T) SUSE LINUX Enterprise Server 9 SP1 (x86 and AMD64/EM64T) Novell Open Enterprise Server (x86)
Supported servers for target deployments	HP ProLiant BL10e HP ProLiant BL10e G2 HP ProLiant BL20p HP ProLiant BL20p G2 HP ProLiant BL20p G3 HP ProLiant BL25p HP ProLiant BL30p HP ProLiant BL35p HP ProLiant BL40p HP ProLiant DL320 G2 HP ProLiant DL320 G3 HP ProLiant DL360 G2 HP ProLiant DL360 G3 HP ProLiant DL360 G4 HP ProLiant DL360 G4p HP ProLiant DL380 G2 HP ProLiant DL380 G2 Packaged Cluster HP ProLiant DL380 G3 HP ProLiant DL380 G3 Packaged Cluster HP ProLiant DL380 G4 HP ProLiant DL385 HP ProLiant DL560 HP ProLiant DL580 G2 HP ProLiant DL580 G3 HP ProLiant DL585 HP ProLiant DL760 G2 HP ProLiant ML350 G2 HP ProLiant ML350 G3 HP ProLiant ML350 G4 HP ProLiant ML350 G4p HP ProLiant ML370 G2 HP ProLiant ML370 G3 HP ProLiant ML370 G4
Supported databases	PostgreSQL
Other product information	The following product materials are available from the Rapid Deployment Pack web pages at http://www.hp.com/servers/rdp-le . Product Datasheet User Guide Knowledge Base Installation Guide General FAQ Planning Guide Support Matrix
Warranty	HP will replace defective delivery media replacement for a period of one year (12 months) following the date of purchase. Startup technical software support - Available for no additional charge by calling Support up to 90 days from the date of purchase. This includes phone support to assist customers with installation, set-up and product usage questions and/or problems. Worldwide numbers for support are available at: http://welcome.hp.com/country/us/en/wwcontact.html . Complete warranty information can be found at: http://h18004.www1.hp.com/products/servers/platforms/warranty/index.html .

Technical Specifications

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