

Overview

Featuring: Resource Partitioning Manager v2.0

The ProLiant Essentials Workload Management Pack (WMP) is a software solution that controls and dynamically allocates system resources to enable application consolidation and performance optimization on Windows® 2000 server platforms bringing maximum utilization, lower total cost of ownership, and improved availability IT environments. WMP provides the tools you need to safely consolidate applications or optimize performance. With the WMP software, Resource Partitioning Manager v2.0, you configure resource partitions, application boundaries defined by their allocated quantity of processor and memory resources. Each partition enjoys access to specific, limited processor and memory resources. Limited access means that resources are available for your applications when they need them. Limited access also means no more worries about decreased availability created by memory-leaking applications.

Resource Partitioning Manager is installed on the managed server and can be accessed both directly from that server and from other networked servers running RPM.

Within Resource Partitioning Manager, there are four basic functions: Create Resource Partitions, Assign Processes, Define Rules, and Evaluate Configuration and Performance.

- **Create Resource Partitions:** An administrator creates the resource partitions on a target server by establishing a name and defining which processors and what amount of memory the partition will include.
- **Assign Processes:** An administrator chooses which executables, DLL's and services will run within the resource partition. In doing so, the administrator ensures that these processes will use only the assigned partition resources.
- **Define Rules:** A Dynamic Rules Engine creates flexibility in the amount of resources available to each partition. The administrator can use the engine to establish rules that allow objects to dynamically increase or decrease processor and memory resources as needed.
- **Evaluate Configuration and Performance:** Allocation, utilization, and performance graphs give administrators quick performance information and feedback.

What's New

- Effective July 9, 2007, HP will no longer offer the Workload Management Pack. This product has been discontinued.

Available Packs and Purchase Information

Licensing and Packaging	ProLiant Essentials Workload Management Pack, Tracking License, without 1 year of 24x7 Technical Support and Updates For use with signed and implemented Master License Agreements only. Purchase of this part number entitles the customer to deploy additional licenses of the product under the terms of the existing Master License Agreement. NOTE: Nothing is delivered in conjunction with the purchase of this part number. Visit http://h18000.www1.hp.com/products/servers/proliantessentials/index.html for more information on Master License Agreements. NOTE: The following Workload Management Pack licenses have been discontinued and are listed below as reference information only.	294745-B21
	ProLiant Essentials Workload Management Pack, Single Server License For use with a single server. Contains one license with a unique license activation key, software installation media and documentation.	303284-B21

Overview

ProLiant Essentials Workload Management Pack, Flexible License

294744-B21

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 along with a corresponding activation key. Use the same key to activate all licenses up to the actual quantity ordered. For a given order, one kit will be delivered with the licenses, activation key, and a single set of software installation media and documentation.

To order the Workload Management Pack, contact your HP Account Manager or HP Authorized Reseller...

Standard Features

Benefits	<ul style="list-style-type: none">• Maximize return on server investments by increasing utilization of available system resources – For each server in an environment, there is an opportunity cost associated with unutilized capacity. Workload Management Pack makes it possible to use idle capacity without compromising application availability and performance.• Minimize server management costs – With Workload Management Pack, Windows 2000 administrators no longer have to manage an additional server for each additional application; multiple applications can run effectively on a single server, reducing monthly management costs and application licensing costs.• Improve availability by controlling misbehaved applications – Partitioning misbehaved applications and limiting those applications to the resources within their respective partitions protects other applications from their unpredictable nature.• Deliver processor and memory resources on demand whenever they are needed, improving application performance during heavy workloads – The Workload Management Pack gives control over not only how resources are allocated, but when resources are allocated. Each resource partition has rules associated with it. These rules can be used to automate changes to the partition based on utilization or time of day.
----------	---

Product Features

Partition Configuration Wizard	Quickly group processes, allocate resources, and assign applications to resource partitions
Dynamic Rules Engine	Establish rules that provide flexibility to automatically add or remove resources without user intervention.
Resource Allocation Graphs	Quickly view resource allocation and utilization.
System and Partition Performance Graphs	Quickly view processor, memory, and I/O performance data.
Easy to Use GUI	Minimize the time needed to train administrators and staff on how to manage workloads and configure the server.
Automated Partition Reboot	Manual reboot is no longer required for memory-leaking applications. RPM v2.0 can be configured to automatically reboot partitions when memory utilization exceeds a pre-defined threshold.
Partition Based Charting	Key processor, memory, disk, and I/O data is now presented in an easy-to-view graphical format.
Usage and Performance Reporting	RPM continually captures and stores information on the resource utilization and performance of your partitions. Export the data to your favorite reporting tool for departmental billing or print reports directly from RPM.
Trending	RPM v2.0 now analyzes utilization data over time to characterize partition performance trends.

Standard Features

Command Line Interface A new command line interface can be used to customize functions such as partition activation/deactivation, target server selection, or activation/deactivation of the RPM service itself.

Time-based Rules With RPM v2.0, the dynamic rules engine can make automatic changes to partition configurations based on either utilization or specific dates and times.

Customer Usage Scenarios

- **Server Consolidation** – ProLiant customers who are currently deploying one application instance per server can consolidate multiple applications onto a single server running Windows 2000, consolidating the computing environment and reducing management costs.
 - **Enhanced Clustering** – Customers whose environments include active-passive cluster configurations can use Resource Partitioning Manager Landing Zones to reserve resources for application fail-over on an active target server.
 - **Improved Availability** – Resource Partitioning Manager can protect against memory leaks in a Windows 2000 environment by allowing the customer to place applications in their own independent resource partitions.
 - **Enhanced Performance** – Resource partitions can be used to ensure that resources are available to applications when they need them, ensuring that applications continue to perform, maintaining the service levels that customers expect.
-

Complementary Products

- ProLiant Essentials Foundation Pack* (Shipped with every ProLiant Server from HP.)
- Remote Insight Board Lights-Out Edition
- ProLiant Essentials Lights-Out Advanced Pack
- Insight Manager 7
- ProLiant Essentials Rapid Deployment Pack
- SmartStart Scripting Toolkit
- ProLiant ML, DL, and BL servers

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

Technical Specifications

Supported Operating Systems	Microsoft® Windows 2000 Server Microsoft Windows 2000 Advanced Server Microsoft Windows Advanced Server, Limited Edition Microsoft Windows 2000 Datacenter Server Microsoft Windows Server 2003 (all 32-bit editions including Web Edition, Standard Edition, Enterprise Edition and Datacenter Edition) **NOTE: Resource Partitioning Manager is available in English (US) only for use on English, French, Italian, German, Spanish, and Japanese versions of the Windows 2000 operating system.
Display Settings	Display resolution should be set to 800 x 600 or higher
Supported Servers	ProLiant DL, ML, and BL servers
Other Product Information	Visit http://h18004.www1.hp.com/products/servers/proliantessentials/rpmdescription.html for more information on the ProLiant Essentials Workload Management Pack.
Warranty	HP will replace defective delivery media replacement for a period of one year (12 months) following the date of purchase. The ProLiant Essentials Workload Management Pack includes a 90-day Limited Warranty. 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://wws1.pro.compaq.com/support/home/selectproduct.asp?destination=contact . Complete warranty can be found at: http://h18004.www1.hp.com/products/servers/platforms/warranty/index.html .
HP Care Pack Services for Software	Technical Software Support Services http://h18013.www1.hp.com/services/carepaq/us/software/cp_technical.html

© Copyright 2007 Hewlett-Packard Development Company, L.P.
The information contained herein is subject to change without notice.

Microsoft and Windows are US registered trademarks of Microsoft Corporation.

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.