

Overview

HP StorageWorks Application Policy Manager

Product Number(s)

B9540AA Application Policy Manager LTU on one xp512 or xp48 Disk Array
B9540AB Application Policy Manager LTU on one xp1024, xp128 Disk Array
Product not supported on the XP256

Version

(11/11/02): v3.0

Introduction

HP StorageWorks Application Policy Manager is an XP disk array performance allocation tool. Storage Administrators use this software to define performance policies that govern server access to array performance resources. These policies are then assigned to hosts/LDEV combinations. The enforcement of the policies is then scheduled to determine when those policies should be in effect. On an ongoing basis, the administrator can monitor policy performance and define and generate reports to analyze performance utilization to inform policy adjustments decisions

Customer Benefits

- allows customer to align the priorities of their business with storage performance resources and focus them where it matters most
 - ensures that critical processes are completed in a timely fashion by guaranteeing the availability of performance resources required to get the job done
 - can ensure that secondary, non-mission critical applications/processes do not unduly impact other, more important applications
 - allows service-level deployment of storage for hosted operations or to align business priorities with storage cost
 - maximizes ROI through more efficient use of array resources by allowing customer to make more intelligent use of performance resources provided by the array hardware
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Software Features/Functionality

- **IO/s or MB/s-level policy types;** flexibility to define policies appropriate for random or sequential I/O-oriented processing workloads
 - **host HBA WWN - LDEV (XP1024/XP128 only) policy levels;** Allows user to tailor focuses policy control on specific hosts and associated LDEVs
 - **host HBA WWN - Array Port (XP512/XP48 only) policy levels;** Allows user to tailor focuses policy control on specific hosts and associated Array Ports
 - **policy group naming;** define and refer to policies with intuitive names
 - **WWN group naming;** define and refer to groups of hosts with intuitive names
 - **policy scheduling calendar;** assign policies and schedule them for continuous, one-time, or recurring enforcement using intuitive GUI
 - **policy monitoring and reporting;** user-defined monitoring and customizable/exportable reports that provide valuable information on policy effectiveness and inform policy change decisions
 - **array thresholds;** relax policies when slack I/O processing capacity exists, ensures efficient bandwidth utilization when policies are in effect but array bandwidth is not being utilized
 - **GUI and CLI interface;** flexible management and solution integration, allows for automation of policy setting and scheduling and integration with other policy management and allocation tools
 - **management integration;** manage from within common command view xp environment, provides anywhere, anytime access to functions through web-based management for quick and efficient policy setting and scheduling
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Overview

Hardware Support

XP512, XP48, XP1024, XP128 Disk Arrays

Software Pre-Requisites

- server/OS support: all OS supported for xp disk array connectivity, but at least one host agent (supported OS below) must be deployed in the host connect environment for each array managed by the software
 - host agent support: HP-UX (10.20, 11.0, 11.i), Microsoft® Windows® NT® (4.0/SP5+), Microsoft Windows 2000 (SP2+), Solaris (2.6, 7.0, 8.0), AIX (4.3.3, 5.1.0), Red Hat Linux (7.2, kernel 2.2.4)
 - command view xp: v1.30 or greater
 - xp512/48 Firmware: 01.16.00 or greater
 - xp1024/128 Firmware: WWN/port policy assignment: 21.01.24 or greater, WWN/LDEV policy assignment: 21.03.xx or greater
 - raid manager library: 01.04.02 or greater
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Hardware Pre-Requisites

- Mgt station running Command View XP: Win NT/sp5 or Win 2000, minimum 800 MHz Pentium PC, 512 Mbytes RAM, 700 Mbytes disk space plus 30 Mbytes per xp disk array managed OR use same console as Command View What hardware is required
 - WWN/LDEV policy assignment capability (XP1024/XP128 only): additional Shared Memory DIMM required
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Distribution Media

CD-ROM media, including Configuration/UI software, user's guide, and entitlement certificate with a registration number for one XP disk array which is used to obtain a single license key for enablement of FW-resident policy engine on a single XP Disk Array

Documentation

Software User's Guide (Delivered with Software Media/LTU)

Software Licensing

Each purchase of product grants customer License to Use on one XP Disk Array. One product must be purchased for each disk array for which the customer wishes to define, assign, and schedule policies

Software Warranty

Warranty: 90-days, covering media defects only.

Service and Support

Software Product Services

- Implementation Services (included when software is ordered with new XP Disk Array, purchased as a required option H4726A when software is purchased for upgrade on an existing XP Disk Array): Software Implementation Service providing installation, software key enablement, verification of functionality, features demonstration
 - H4405A (one year)/H4405Y (three year)-Software Foundation Support Service (required): 24 x 365 phone-in assistance, software license to use/updates, media and documentation materials and updates, access to HP IT Resource Center
 - H4394A/J/Y/G/H-Premier Storage Critical Support: 100% data availability guaranteeH9273A-304-XP Storage Performance Optimization Service
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Hardware Product Services

- N/A
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Customer Support Information

- See Software Product Services above.

Licensing/Configuration Information

Step 1 - Base Licensing/Configuration

Customer purchases LTU product for each XP Disk Array managed using software:

Product/Part Number	Product Name	Description
B9540AA	Application Policy Manager, XP512/XP48. LTU on one XP Disk Array	Software, Entitlement Certificate, User Documentation
B9540AB	Application Policy Manager, XP1024/XP128 on one XP Disk Array	Software, Entitlement Certificate, User Documentation

Step 2 - Required Options

Select each required option with quantities specified.

Product/Part Number	Product Name/ Quantity	Description
H4726A*	Software Implementation Service/1 each	Installation, software key enablement, verification of functionality, features demonstration
H4405A**	Software Foundation Support Service, 1 year/1 each	One year, 24 x 365 phone-in assistance, software license to use/updates, media and documentation materials and updates, access to HP IT Resource Center
H4405Y**	Software Foundation Support Service, 3 year/1 each	Three year, 24 x 365 phone-in assistance, software license to use/updates, media and documentation materials and updates, access to HP IT Resource Center

*Implementation Service required ONLY for upgrade purchase of software on an existing XP Disk Array. Implementation Services are bundled when software is purchased along with a new XP Disk Array.

**Either one year or three year Foundation Support Service required.

Step 3 - Additional Options

Select each required option with quantities specified.

Product/Part Number	Product Name/ Quantity	Description
H4394A/J/Y/G/H	Premier Storage Critical Support/1 each	100% data availability guarantee
H9273A-304	XP Storage Performance Optimization Service/1 each	Provides for performance evaluation and optimization services

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