

### Overview

#### Product Number(s)

B9357AD Remote Control Upgrade for xp256, 512, 48

B9357AE Command View for xp256 disk arrays

B9357AF Command View for xp512/48 disk arrays

B9357AG Command View for xp128/1024

B9357AH 1 LTU Upgrade for all XP platforms

#### Version

Current Shipping Version: 1.8

### Introduction

HP StorageWorks Command View XP provides centralized, web-based management for XP disk arrays. It contributes to the reduction in total cost of ownership (TCO) by enabling collaboration among global team members, eliminating the need for travel to remote locations and increasing the efficiency of your administrator. Command View XP was the first web-based management solution on the market and the first to ship with a CIM/WBEM provider that strips away complexity for storage administrators and standardizes on the device information available.

HP StorageWorks Command View XP provides fibre channel diagnostics that provides early warning of fibre channel degradation and graphical mapping for quick location of the particular disk tray being used by an application or end-user. Command View's common user interface not only reduces the learning curve but also is the centralized point from which all XP management applications are launched thus reducing the need to learn disparate point solutions. SNMP scripts are included for integration into the leading network management frameworks including: OpenView, Computer Associates, Tivoli and BMC.

Command View version 1.8 is currently shipping with all new XP array orders and is available as an upgrade for existing Command View customers. Three interfaces are included with the product:

- Graphical user interface (GUI)
- Command line interface (CLI)
- API for third party integration

### Customer Benefits

- Comprehensive - allows common user interface for launching management applications and tasks
- Efficient - enables web-based collaboration among globally distributed team members
- Available - delivers graphical mapping and intuitive tools for maximum XP disk array performance
- Flexible - offers choice of input options with GUI or CLI
- Secure - supplies three levels of security to ensure information is safe and protected
- Scalable - provides single management console for managing single or multiple XP disk arrays, even if they are distributed globally
- Well-connected - automated scripts for integration into leading management frameworks

### Software Features/Functionality

- Web-browser U/I
  - Enables management and collaboration among global team members from anywhere at anytime
- Common user interface and single management console
  - Provides centralized deployment and management of XP arrays from a single location
- Graphical representation and Fibre Channel diagnostics
  - Improves availability and performance by delivering intuitive tools that monitor the real-time health and status of host & switches into the XP and components, provides alerts & diagnostics when Fibre Channel degradation occur between host, switches and xp array
- Automated SNMP scripts for integration into leading network management frameworks
  - Reduces complexity of application integration while providing event/trap forwarding into leading network management frameworks (OpenView Operations, OpenView Network Node Manager, CA Unicenter TNG, Tivoli NetView and BMC)
- Choice of input options: GUI, CLI, API
  - Use the interface of choice for any given tasks
- Bluefin Support
  - Supports the latest DMTF CIM specification for storage management to strip away the complexity and standardize the information provided for HP storage devices.
- Support for HP OpenView Storage Area Manager 3.0
  - Integrates into OpenView Storage Area Manager 3.0 for heterogeneous storage management . OpenView Storage Area Manager enables control of all network storage resources - tape and disk, direct- and network-attached storage, storage area networks and heterogeneous devices -- through a uniform management console and common reporting structure

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- Support for HP Systems Insight Manager
  - Integration with HP Systems Insight Manager provides a single point of access for managing XP disk arrays along with other HP devices. This integration enables the use many of the core services of Systems Insight Manager in a single console providing unparalleled breadth of device management for HP servers, clients, storage, power, and printer products.
- Three levels of security
  - Ensure that only authorized users can access information about your xp arrays. Provides: user authentication/ authorization; device IP authentication/ authorize; and secure socket layer support for encrypted connection between host and XP
- Event Notification Engine (new for version 1.8)
  - Provides for scheduling of automatic array management event notification via e-mail, script, and SNMP. Also provides notification history logging and testing of notification configuration settings. Ensures Allows that xp array management events get the proper level of visibility for fast issue resolution
- Enhanced Installation Wizard
  - Completed via the install process, new capabilities eliminate the need for manual uninstall of previous versions, and manual reloading of the new version.
- Supports for new XP array management features:
  - 16-port fibre channel adapters
  - long wave fibre channel connections for mainframes
  - 7D + 1P for XP1024
  - Support for direct backup engine for serverless backup using Veritas
  - Mainframe volume support
- Support CIM/WBEM standard
  - Strips away complexity for storage administrators
- Oracle database support
  - HP data integrity check eliminating data corruption caused by I/O path and topology API
- Management Station Migration tool (new for version 1.8)
  - Enables seamless migration of Command View XP environments from one management station to another

### New Features with Version 1.8

Features corresponding with XP1024/128 FW version 21.06.22 or later:

- Addition of UI/Configuration Tools for Hitachi SANTinel-S/390 and SANTinel-S/390 Port Security Option (mainframe SW)
- Configuration Support for 48-port ESCON CHIP pairs
- Configuration Support for High-speed (2 port) FC mode
- Update to add resetting of unregistered LUSE volumes
- Apache 1.3.27 update
- Support for Hitachi ShadowImage-S/390 At-time split feature

Features corresponding with XP1024/128 FW version 21.07.04 or later:

- Addition of UI/Configuration Tools for Hitachi SANTinel-S/390 and SANTinel-S/390 Port Security Option (mainframe SW)
- Addition of UI/Configuration Tools for new HP LUN Security XP Extension Software product (XP-WORM archiving software)
- Minor HP Continuous Access and Hitachi ShadowImage-S/390 UI enhancements

### Other Features

Command View XP Management Station:

- Addition of Windows 2003/32-bit management station OS support
- Addition of PCAnywhere support in Windows 2003/32-bit management station OS environments
- Addition of JRE 1.4.2 for management station
- New Command View XP Management Station environment migration tool: provides backup and migration utility to allow for seamless migration of Command View XP from one management station to another. Used for migrating from an older to newer management station platform

Command View XP Remote Web Clients:

- Addition of Windows 2003/32-bit and HP-UX 11.23 web client OS support
- Addition of JRE 1.4.2 for Windows 2003/32-bit and JRE 1.4.1.03 for HP-UX 11.23 web client OS
- Addition of Mozilla 1.2.1.01 web client browser support

Command View XP Array Management:

- Addition of new Event Notification engine: provides means for scheduling of automatic array management event notification via e-mail, script, and SNMP. Also provides notification history logging and testing of notification configuration settings.
- Addition of RMI service status button on Device Administration screen
- Addition of new CLI Command and Scripting tutorial and templates
- Online Help enhancements
- SMI-S XP Device Management API enhancements

Command View XP Path Connectivity:

Addition support of Windows 2003/32-bit, HP-UX 11.23, United Linux 1.0 (kernel 2.4.19/32-bit), SuSE Linux Enterprise Server 8 (kernel 2.4.19/32-

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- bit) host agent OS support
- Addition of support for multi-ISL switch topologies
- Addition of new 'list topology\_fabric' CLI command to facilitate FC fabric diagnostics
- Addition of support for new SUN native OS HBAs

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### Software Prerequisites

- Management Station
  - Microsoft® Windows® NT® 4.0 SP6a with JAVA® 2 JRE 1.3.1\_01
  - Windows 2000 SP3 with JAVA 2 JRE 1.3.1\_01
  - Windows 2003/32-bit
- Host OS (for Path Connectivity function)
  - HP-UX 11.0, 11.11 (32-bit mode), 11.23 (32/64-bit)
  - Sun Solaris 8.0, 9.0
  - IBM AIX 4.3.3, 5.1
  - Windows NT 4.0 SP6a+
  - Windows 2000 SP2
  - Windows Server 2003 (32-bit)
  - Red Hat Linux version 7.1, (kernel 2.4.2/32-bit)
  - Red Hat Advanced Server Linux 2.1 (kernel 2.4.9/32-bit)
  - United Linux 1.0 (kernel 2.4.9/32-bit)
  - SuSE Linux SLES8 (kernel 2.4.19/32-bit)
- Command View XP Remote Web Clients
  - Internet Explorer 6.0 SP1 on Windows XP and Windows 2003/32-bit (JRE 1.4.2 required)
  - Internet Explorer 6.0 or 5.5 on Windows NT 4.0 and Windows 2000 (JRE 1.4.2 required)
  - Netscape Navigator 7.0 on HP-UX 11.00 (JRE 1.4.1.03 required)
  - Mozilla 1.2.1.01 and Netscape 7.0 on HP-UX 11.11 (JRE 1.4.1.03 required)

Agents: Supports all hosts listed above

### Firmware Prerequisites

xp 512/48: 01.18.71 or later (01.19.26 recommended)

xp256: 52.49.12.00/00 or later (52.49.00/00 recommended)

**NOTE:** Command View is a perfect fit for environments where the customer wishes to only monitor their XP256. If customers desire to manage their XP256, we recommend using Remote Control XP to reduce customer dissatisfaction with performance

xp128/1024: 21.025.2704 or later (21.07.04 recommended)

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### Hardware Prerequisites

- Management Station (provided separately by customer)
  - 800 MHz CPU, Intel Pentium III (minimum), 2-GHz CPU (recommended)
  - 1024 Mbytes RAM (minimum)
  - 2.5 Gbyte free disk space 32.5 GB free disk drive space (for max history detail)
  - FAT or NTFS
  - 30 Mbytes free disk space per managed disk array
  - VGA monitor with 256 colors or better
  - At least one LAN card

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### Distribution Media

CD-ROM

### Overview

### Documentation

[Installation Guide](#)

[User's Guide](#)

[On-line help](#)

[Installation Guide for enterprise integrations](#)

[FAQs](#)

[Downloads for agents and command line interface](#)

**NOTE:** All documentation is on-line and can be retrieved from the support tab once Command View is installed or from the documentation branch in the installation wizard

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### Software Licensing

Licensed per XP disk array

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### Software Warranty

90-day return to HP; 24 x 7 phone support; installation included

### Service and Support

#### Customer Support Information

H4405A (OS6)	24x7 Phone In Assistance ,1 year
H4405Y (3Y6)	24x7 Phone In Assistance, 3 year
H4393J (3L3)	24x7 SW Support, Phone/Updates, 2yr
H4393W (3G3)	Storage Critical Support, 3rd Year
H4393G (3G4)	Storage Critical Support, 4 Years
H4393H (3G5)	Storage Critical Support, 5 Years
H4394A (3F1)	Premier Storage Critical Support, 1 Yr
H4394J (3F2)	Premier Storage Critical Support, 2 Yr
H4394Y (3F3)	Premier Storage Critical Support, 3 Yr
H4394G (3F4)	Premier Storage Critical Support, 4 Yr
H4394H (3F5)	Premier Storage Critical Support, 5 Yr

# QuickSpecs

## HP StorageWorks Command View XP

### Licensing/Configuration Information

#### STEP 1 - COMMAND VIEW XP - BASE LICENSING/CONFIGURATION

Select one:

Product/Part Number	Product Name	Description:
B9357AE	Command View for xp256	License to manage xp256
B9357AF	Command View for xp512/48	License to manage xp512/48
B9357AG	Command View for xp128/1024	License to manage xp128/1024
B9357AH	1 LTU upgrade for all XP platforms	License to management additional XP disk arrays
B9357AD	Remote Control upgrade for 512/48 only	Remote Control only required for 512, 48 systems

#### STEP 2 - REQUIRED OPTIONS

xp256/512/48	Remote Control	Included on Command View CD
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#### STEP 3 - ADDITIONAL OPTIONS - Purchased Separately

B7909B	Performance Advisor XP	Real-time performance monitoring
B9540B	Application Policy Manager	Real-time performance throttling

#### STEP 4 - ADDITIONAL OPTIONS - INCLUDED WITH COMMAND VIEW XP

Path Connectivity Module	Provides configuration reporting and fibre channel diagnostics
SNMP scripts	Integration into leading network management frameworks

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