

HP Web ViewPoint software

Data sheet

Web ViewPoint software provides automated object management of HP NonStop server subsystems.

Availability of system resources is paramount to the successful operation of a business enterprise. Continuous and effective monitoring and management of software and hardware entities are essential to maintaining availability. HP Web ViewPoint software for NonStop servers is an integral tool for automated operation and management. In a secured access environment, this software provides the following three major subsystems:

- Event viewer
- Object manager
- Performance monitor

You can install Web ViewPoint software on one NonStop server and monitor all other NonStop servers of an HP Expand network. As an alternative, you can run copies of the software independently on multiple NonStop servers (see figure 1).

Web ViewPoint is a Web browser-based product. No client application needs to be installed or maintained, and applications do not need to be coordinated across multiple workstations. This means that you can run Web ViewPoint on a variety of platforms and operating systems.

Web ViewPoint uses an extensible design that allows for the addition of independent extensions. This design enables easy integration of third-party and in-house customer applications with Web ViewPoint.

Key features and benefits

- Monitors and displays EMS events
- Identifies and lists all supported subsystems
- Manages NonStop server subsystems and user applications in a secure, automated, and customizable way
- Monitors and graphs performance attributes and trends
- Investigates and displays most active system processes
- Offers simple navigation and a point-and-click command interface

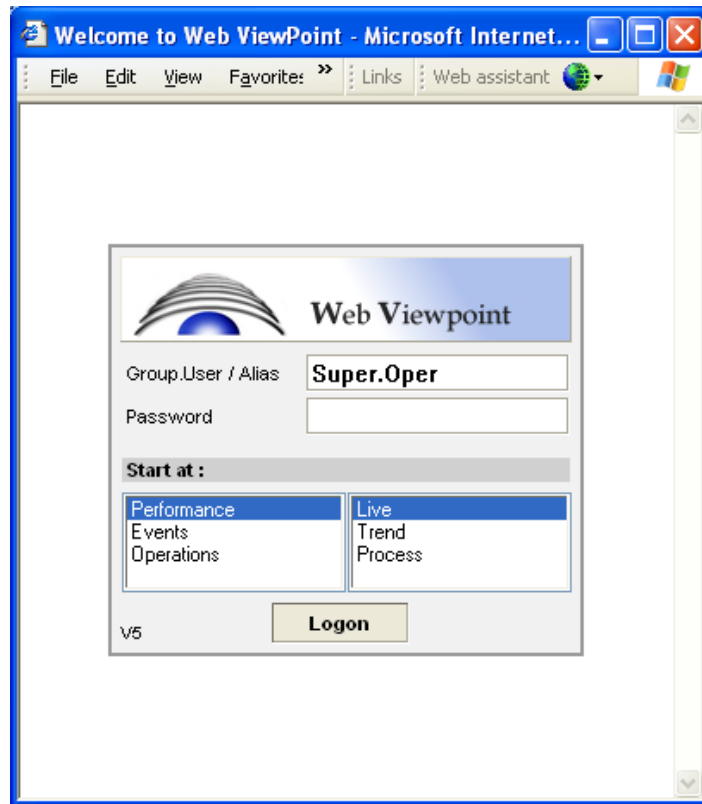


Figure 1. Web ViewPoint logon screen.

Event viewer

The Event Management System (EMS) event viewing and query subsystem of Web ViewPoint software is easy to use and configure. Event selection criteria and methods are extensive and support a complete range of options. The following selection methods and tips allow even a novice to use the options with confidence:

- Monitor real-time EMS events from one or more EMS collectors running on one or more NonStop servers. View all messages on one window or multiple windows side by side (see figure 2).
- Use multiple filter files and/or selection criteria to discard unwanted messages.
- Acknowledge any event with a single click. Use the option key to enter and save notes.
- Receive detailed information for any event, including complete token dumps and excerpts of NonStop server manuals that describe the message and provide recovery advice.
- Gain single-click access to the complete *Operator Messages* manual in a context-sensitive HTML format.
- Define your own templates to be used for display of live and historical events.
- Save events to log files.
- Easily compress log files with a graphical user interface.
- View Virtual Hometerm Subsystem (VHS) log files and send replies.

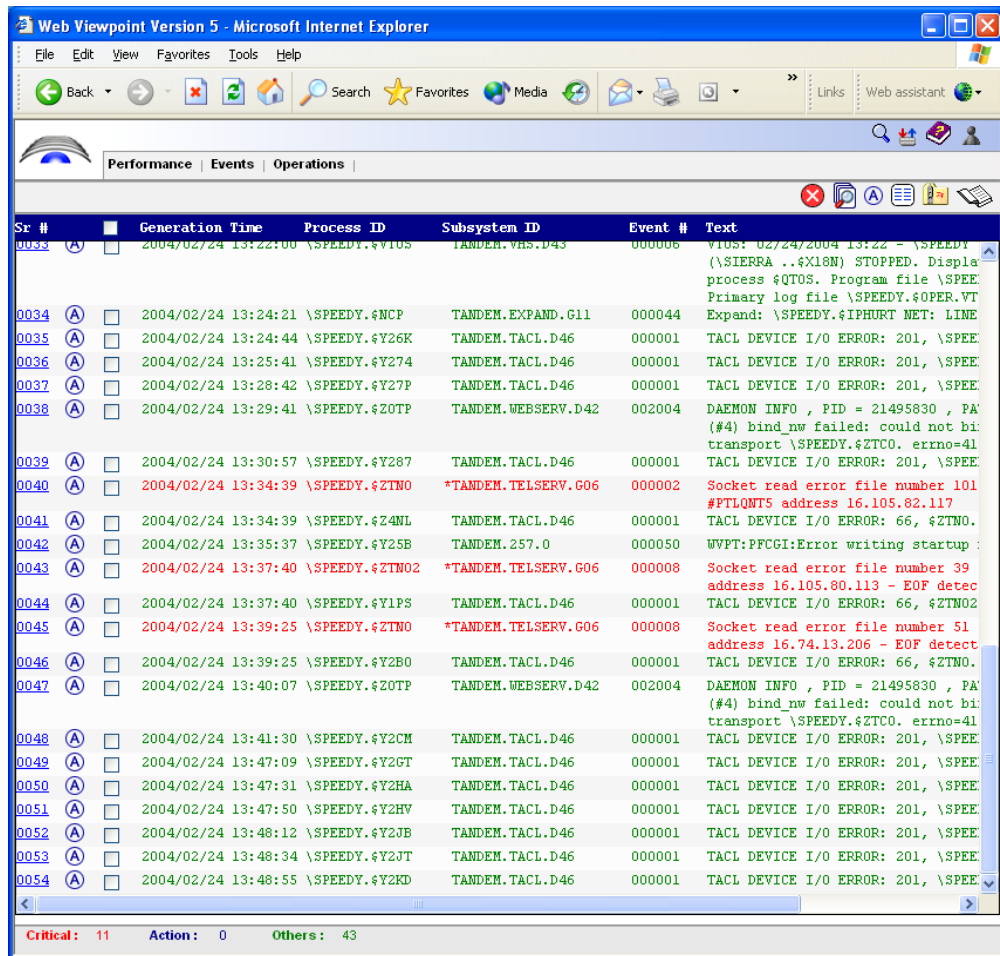


Figure 2. Real-time EMS event viewer.

Object manager

Whereas the performance monitor and event viewer describe the state of the NonStop server environment, the object manager allows you to take action quickly and easily and to apply specific commands. In a secured environment, Web ViewPoint software parses your entire system to reveal all supported object types and subsystems. The object manager then builds a visual tree structure of the system on your browser and lists all available entities for each object type. When you select an entity, the object manager displays a list of buttons that represent all applicable commands. You click a button to issue a command. Web ViewPoint also allows you to enter more complex and customized commands manually.

A generic internal structure enables you to define and integrate your own in-house applications into the object manager, which then automatically becomes aware of your customized environments. The object manager provides a central tool to manage all subsystems and applications automatically. There is no need to memorize and enter command syntax. Consequently, errors are reduced and productivity improves.

A companion to the object manager is a subsystem called the *Central Command Manager* (CCM), which includes a smart disk and file interface. The disk interface provides a visual, color-coded, systemwide disk space analysis (see figure 3). The file interface provides a Web-based editor that includes text search and replacement capabilities, as well as the ability to

save a file to a different location on the host. You can issue file commands and display processes, with process details, that currently have a file open. You can also execute the contents of multiple obey files in a parallel or sequential format. The CCM includes a Find File function that allows file searches based on a wide range of criteria. Files can be easily uploaded and downloaded between the workstation and the host. Also provided is a spooler interface that opens all active spoolers in a tree view format and that includes a search function. You can easily view or print the content of their spooler jobs or alter their state and parameters.

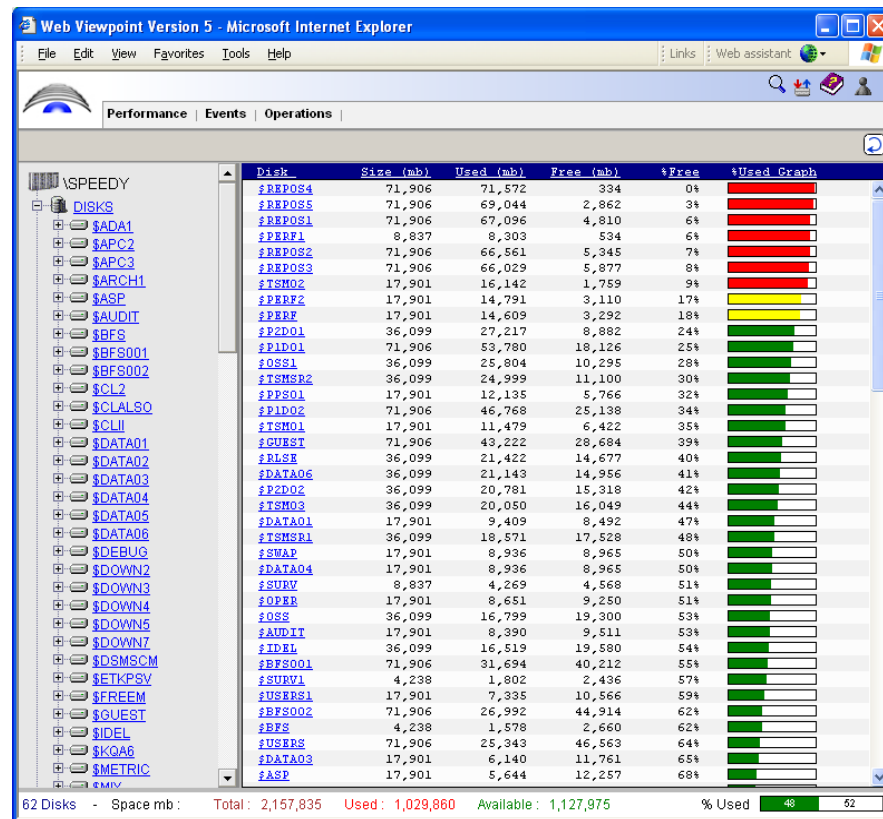


Figure 3. The CCM's color-coded disk and file interface.

Performance monitor

The performance monitor provides an online subsystem that monitors continuously and that enables you to receive and display current performance metrics. You choose the number of seconds between monitoring intervals and customize the type of display for three categories of NonStop server performance data.

- Select and monitor one or more (up to 14) processor performance attributes. Chosen attributes will be graphed at set intervals. You can display data simultaneously for multiple attributes and processors and select the order in which they are graphed (see figure 4).
- Follow a trend of usage values for selected attributes and/or processors over time. Web ViewPoint software can display up to 60 points of time, with an interval of your choice

- View a list of the current busiest processes on the server—either per processor or per server. You can decide how many of the top busiest processes to list and how often the information should be updated. A single click on a process gives you access to additional information (for example, detail properties, files opened, processes spawned) and commands (such as Stop, Suspend, and Activate). Each request for information opens a new window with links to additional related data. This provides a quick online data mining tool for all processors, processes, and files.

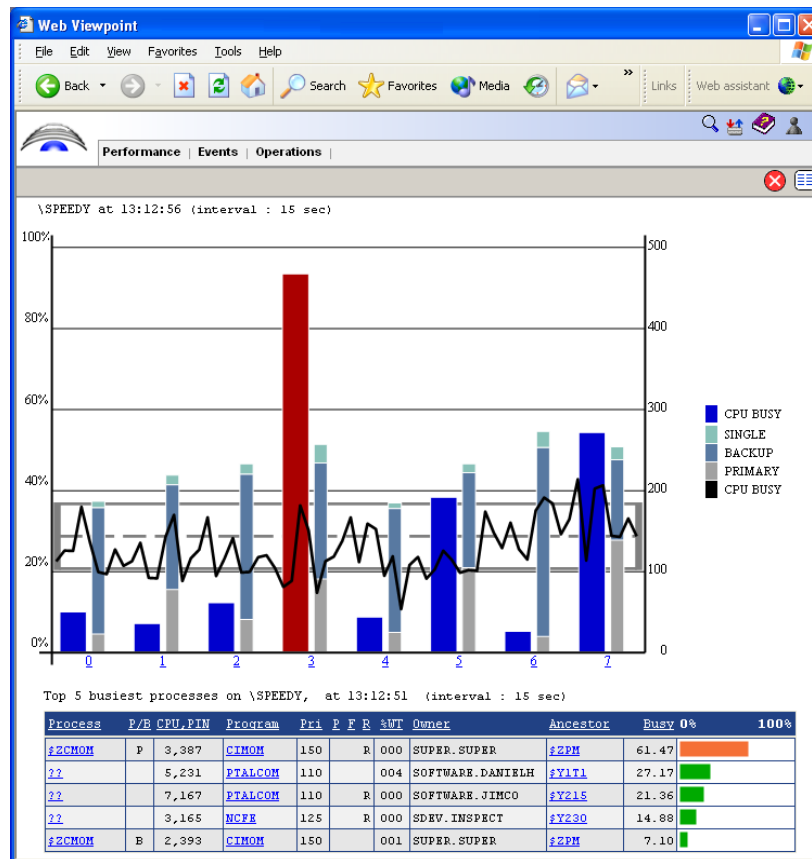


Figure 4. Real-time processor and busy-list monitor.

Smart navigator

Web ViewPoint software offers a simple-to-use multitemenu design. Each subsystem is organized in a menu format that provides direct access from any function to another. It can either switch the current page to the new feature or open a new window and bring that feature forward.

Web ViewPoint automatically takes care of all staging commands in the background, freeing you to focus on the operation task at hand. It monitors your movements and issues commands automatically to the host modules to stop or start or restart and alter programs as needed. You can use a single window or multiple windows side by side to manage your environment. Web ViewPoint is security smart and knows when additional security prompts are required.

An extensive set of cookies helps with the continued use of features: The software uses cookies to remember your preferences for the connected host; the system then detects and

uses these preferences on subsequent uses of the supported feature. In addition, a complete and smart context-sensitive online help feature is available.

Specifications

System requirements

Hardware	NonStop server running NonStop Kernel operating system Release Version D42 and later or Gxx
Software	Microsoft Internet Explorer 5.5 and later

Ordering information

Part number	Product name
SJ70V5	Web ViewPoint software

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