



Software Product Description

**PRODUCT NAME: POLYCENTER Manager on NetView
for Windows NT, V3.1**

SPD 54.68.02

DESCRIPTION

POLYCENTER™ Manager on NetView® for Windows NT™ provides a comprehensive set of network management tools and a robust framework for managing enterprise-wide networks from Intel® and Alpha based Windows NT platforms. It includes a broad range of user-oriented applications for fault, configuration, and performance management of heterogeneous, multivendor devices and open networks using the Simple Network Management Protocol (SNMP). It also includes the industry-standard OpenView® application programming interfaces (APIs) software developers require for seamlessly integrating their management applications into the framework.

When used with the Dynamic Host Configuration Protocol (DHCP) and DECnet Manager components of the optional POLYCENTER Solutions for Network Managers for Windows NT product, NetView for Windows NT also supports the management of:

- Mobile users acquiring temporary TCP/IP addresses with a DHCP server
- DECnet Phase IV and DECnet/OSI routers and end nodes
- Digital bridges
- Digital terminal servers
- FDDI devices

The POLYCENTER Solutions for Network Managers product also provides NetView for Windows NT users with the options of using a high performance, Open Database Connectivity (ODBC)-based event subsystem and a high performance, ODBC-based SNMP data collector. ODBC support provides for industry-standard access to all network management information, including IP topology, TCP/IP and DECnet events, and status. Custom reports can be created from the data in these databases using any standard ODBC-compliant reporting tool.

POLYCENTER Manager on NetView for Windows NT is developed in collaboration with IBM®. It is a direct port of much of the NetView code base that runs on the Digital™ UNIX® and IBM AIX® operating systems. In other words, POLYCENTER Manager on NetView for Windows NT allows network managers using Intel and Alpha based Windows NT management stations to exercise “industrial-strength,” UNIX-like management capabilities over enterprise-wide networks comprised of thousands of nodes.

POLYCENTER Manager on NetView for Windows NT has been developed in close cooperation with Microsoft® Corporation to provide integrated management capabilities with the Microsoft System Management Server product. Through the use of bidirectional launch capabilities, POLYCENTER Manager on NetView for Windows NT can interoperate with the System Management Server product and with the Digital POLYCENTER AssetWORKS™ product to provide a comprehensive and integrated approach to managing enterprise-wide, multivendor hardware and software resources.

Features/Benefits

Superior Windows 95 Style Graphical User Interface

The award-winning NetView graphical user interface has been further enhanced to let network managers focus on managing the network rather than on managing windows. The user interface has been rewritten with a Windows 95 style. Numerous usability enhancements have been added to streamline the day-to-day tasks that network managers must perform in managing their enterprise networks:

- Topology View — displays the network and status at a glance to quickly recognize and resolve network problems.
- Navigation Tree — keeps users oriented as they traverse the network.

- QuickFind Function — finds network objects directly from the toolbar without having to access menus and dialogs.
- Wizards — provide step-by-step guidance for performing key network management tasks.
- Dockable Toolbars with ToolTips — provide fast, easy access to most frequently used tools. The NetView Standard toolbar and the NetView Application toolbar can be positioned anywhere on the desktop. ToolTips appear as the cursor is passed over each button on the toolbar.
- Property Sheets — provide easy access to a wide range of properties, organized as tabbed “pages” in one dialog.
- Network Views — can be customized based on any criteria: geography, physical or logical layout, device type, and so forth.
- Customized Backgrounds and Icons — can be added easily.
- Color Coding of Event Cards — facilitates rapid resolution of the most severe events.
- Context-Sensitive Pop-Up Menus — provide the user with a set of commands applicable to the object.
- High-Speed Data Collector — monitors information for real-time and historical trouble diagnosis and for comparison against thresholds.
- Graphing Capabilities — show real-time and historical graphs of network statistics.

Integration with Microsoft System Management Server and POLYCENTER AssetWORKS

The tight bidirectional integration of NetView for Windows NT with the Microsoft System Management Server and POLYCENTER AssetWORKS provides a powerful management solution for network and system managers. This combination of products broadens the capabilities of network and system managers, so they can diagnose, from a single console, problems with their distributed systems that might be either a network problem or a system problem.

From POLYCENTER Manager on NetView for Windows NT, the Microsoft System Management Server and POLYCENTER AssetWORKS products can be launched to display a System Management Server property sheet for any supported desktop device in the network, giving the network manager access to a wide range of information about that device.

From the Microsoft System Management Server with POLYCENTER AssetWORKS, POLYCENTER Manager on NetView for Windows NT can be launched to:

- Display an object in a NetView submap.

- Find a network object.
- Diagnose a network object.
- Show object properties.
- Graph network traffic.

Integration with ServerWORKS™ Manager

ServerWORKS Manager and NetView for Windows NT can work together to provide centralized enterprise network management with distributed local control. ServerWORKS can act as a midlevel manager, forwarding network status, SNMP alarms, and events to NetView for Windows NT.

Dynamic Network Discovery

- Automatically discovers, maps, and monitors TCP/IP network resources. With the optional POLYCENTER Solutions for Network Managers product, bridges, terminals, and DECnet network resources are also discovered, mapped, and monitored.
- Discovers changes that are automatically reflected on the appropriate submaps. Newly discovered objects can be automatically placed on the appropriate submap or optionally stored in a holding area for later manual placement.
- Automatic topology mapping includes support for ring, bus, tree, and star layouts to portray complex customer environments.

Management Information Base (MIB) Processing

- Includes support for MIB-II objects and many preloaded vendor extensions.
- MIB Loader allows any enterprise-specific MIB extension to be added.
- MIB Data Collector allows collection of real-time or historical MIB information and compares data to user-defined thresholds to generate events.
- MIB Browser allows for browsing, retrieving, setting, and graphing MIB values.
- MIB Application Builder allows development of applications without any programming. These applications can display object information in a form, table, or graph.

Filtering and Trap Customization

- Help weed out extraneous information and provide greater control of event handling, monitoring, and reporting.
- Can apply filtering criteria to event information that is displayed on the screen or sent to applications.
- Automate actions to be taken as a result of standard and enterprise-specific SNMP traps.

- Can define filters based on SNMP traps.

Application Programming Interfaces (APIs)

Open and industry-standard interfaces permit seamless integration of other management applications. These key APIs offer most of the integration mechanisms provided with POLYCENTER Manager on NetView for Digital UNIX, NetView for AIX, and HP® OpenView for HP-UX®:

- End-User Interface API — enables applications to be integrated as part of the graphical display.
- SNMP API — enables applications to access MIB information from nodes in your network.
- Event Filtering API — provides filter definitions and thresholding of event information sent to events display or POLYCENTER Manager on NetView applications.
- General Topology Manager (GTM) API — provides support for managing multiprotocol topologies, such as DECnet and DHCP, within topology maps and event displays.

Comparison with POLYCENTER Manager on NetView for Digital UNIX

POLYCENTER Manager on Netview for Windows NT offers the same fundamental and critical network management functions available in POLYCENTER Manager on NetView for Digital UNIX. The primary differences between the two products are represented by the newest features added to the Digital UNIX product in the V4.1 release.

The major features available in the NetView for Windows NT product that are *not* available in the NetView for Digital UNIX product are:

- Windows 95 style interface.
- Integration with the Microsoft System Management Server and POLYCENTER AssetWORKS.

The major features available in the Digital UNIX product that are *not* available in the Windows NT V3.1 product are:

- Client/server support
- Event correlation
- Object collection facility

NetView Association from IBM and Digital

POLYCENTER Manager on NetView for Windows NT is supported by the joint Digital and IBM NetView Association. This joint ISV association includes over 250 software vendors committed to developing and/or porting third-party applications for the NetView platform. Over 50 of these vendors have already committed to porting their management applications to Windows NT.

CONFORMANCE TO STANDARDS

POLYCENTER Manager on NetView for Windows NT conforms to the Internet Engineering Task Force (IETF) defined framework for network management. It conforms specifically to the following IETF RFCs:

- RFC 1155
- RFC 1157
- RFC 1213
- RFC 1215

INSTALLATION

The NetView for Windows NT program by itself is customer installable; however, it does require proper configuration of underlying services, particularly the TCP/IP network and SNMP services.

SYSTEM REQUIREMENTS

Minimum for Intel PCs

- Intel 486, 66 MHz processor. For larger networks, Intel Pentium® processor.
- Windows NT Workstation or Server V3.51
- NTFS drive with at least 100 MB of available disk space. For larger networks, 500 to 1000 MB recommended.
- 120 MB paging space
- 32 MB of RAM. Added memory improves performance and is necessary for large networks.
- Network adapter card
- SVGA graphics card and monitor (minimum 800×600 pixels). 1024×768 pixels provides better resolution.
- TCP/IP protocol installed and configured.
- SNMP service installed and configured.
- The user must be a member of the Administrators Group.

Minimum for Alpha PCs

- Any Alpha processor that supports Windows NT V3.51.

- Windows NT Workstation or Server V3.51
- NTFS drive with at least 130 MB of available disk space. For larger networks, 500 to 1000 MB recommended.
- 120 MB paging space
- 40 MB of RAM. Added memory improves performance and is necessary for large networks.
- Network adapter card
- SVGA graphics card and monitor (minimum 800×600 pixels). 1024×768 pixels provides better resolution.
- TCP/IP protocol installed and configured.
- SNMP service installed and configured.
- The user must be a member of the Administrators Group.

OPTIONAL SOFTWARE

- POLYCENTER Solutions for Network Managers for Windows NT, V2.0
- POLYCENTER AssetWORKS, V2.0
- ServerWORKS Manager, V1.2

DISTRIBUTION MEDIA

This product is distributed as an Individual Product Offering (IPO) CDROM.

ORDERING INFORMATION

PC-Style License, CDROM Media, User Guide Package	QB-3LFAA-SA
PC-Style License Only	QM-3LFAA-AA
User Guide Documentation-Only Kit	QA-3LFAA-GZ
Developer's Documentation-Only Kit	QA-3LFAB-GZ
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