IBM Tivoli Monitoring for Network Performance

Highlights

- Performance management for today’s networks
- Advanced Simple Network Management Protocol (SNMP) device management
- Predefined management reports
- Service-level system management facilities reporting
- Comprehensive resource usage monitoring

Performance management for today’s networks

Today’s networks are a combination of Systems Network Architecture (SNA) and IP protocols at the application level and on the wire. IBM® Tivoli® Monitoring for Network Performance packages two existing products, allowing you to properly manage the performance of this hybrid network environment. The products packaged together are IBM Tivoli NetView® for TCP/IP Performance and IBM Tivoli NetView Performance Monitor.

Tivoli NetView for TCP/IP Performance is the premier tool for gathering, analyzing and reporting information on your TCP/IP stack in the IBM z/OS™ or IBM OS/390® operating systems and the corresponding network components. Tivoli NetView Performance Monitor is the premier tool for gathering, analyzing and reporting information on your SNA systems and network components. These products complement each other and provide business performance information for your growing e-business network.

The SDSF Syslog browse screen lets users review critical messages captured in the system log as well as enter commands (limited by their authority). This provides the ability to receive, on a single screen, detailed information about the systems being monitored by Tivoli NetView for TCP/IP Performance.
for high-demand workload periods and react immediately when service-level thresholds are exceeded—identifying, isolating and diagnosing issues that affect your network.

Tivoli NetView for TCP/IP Performance can provide a clear view of your network performance status with color and graphical status indicators. The status indicators let you quickly determine the type of problem encountered—for example, FTP session inactivity, TCP/IP buffer pool overutilization or response times that exceed thresholds. A usable drilldown capability helps you target specific issues that affect performance and availability.

The Web-based performance monitor of Tivoli NetView for TCP/IP Performance provides data in graphical and tabular formats. It monitors service-level results, trends and response-time or performance issues. Reports are provided in HTML format, allowing you to include Tivoli NetView for TCP/IP Performance provides workload and response-time data from a central point of control, giving you information on all seven critical areas of z/OS or OS/390 TCP/IP—TCP/IP stack, Communication Storage Manager and Virtual Telecommunications Access Method buffers, applications, channel attachments, servers, clients and network connections. Once installed, a browser-based workstation with appropriate authority can access and view performance, workload and availability data of your TCP/IP environment. Tivoli NetView for TCP/IP Performance automatically monitors your IP network devices and provides comprehensive network response times. It can help you plan
NetView for TCP/IP Performance information in many common software applications, such as word-processing and presentation software.

Tivoli NetView Performance Monitor can centrally monitor, record and interactively report communication status, network performance and resource utilization of your SNA networks. Through an enhanced Java™-based graphical user interface (GUI), Tivoli NetView Performance Monitor can notify you when a performance problem occurs on the network. You can get a graphically displayed realtime analysis of traffic flow, information on response times and details on bottlenecks for the network and individual resources. Integrating with Tivoli NetView for OS/390, Tivoli NetView for z/OS and IBM Tivoli Business Systems Manager, Tivoli NetView Performance Monitor helps provide enhanced integration of operations and performance tools—enhancing the effectiveness of your staff immediately.

By supporting TCP/IP and SNMP devices, along with classic SNA and advanced peer-to-peer network technologies, Tivoli Monitoring for Network Performance can help you adapt to the many changes taking place in the IT industry. By providing Web, Java-based GUI and standard 3270 interfaces, Tivoli Monitoring for Network Performance allows you to manage from a variety of platforms.

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Advanced SNMP device management
The gathering of SNMP data helps provide key information on IP resources, such as routers, servers or other IP applications. Tivoli NetView for TCP/IP Performance offers a quick point-and-click view of SNMP management information base (MIB) data and can deliver formatted SNMP MIB data. With the intelligent Tivoli NetView for TCP/IP Performance MIB,
you can see critical SNMP device information, such as routing tables, alerts, status and maximum transmission unit information. Operations can quickly see the impact of performance issues on network problems. Tivoli NetView Performance Monitor uses MIB information to provide robust information on the status of Telnet sessions in conjunction with traditional SNA functions. On one screen you can view IP and SNA information—though two sources of information are used, only one display is necessary for today's overburdened operations staff.

**Easy, predefined reports**

Predefined, ready-made reports are included in Tivoli Monitoring for Network Performance, so you can customize reports using simple tools that require virtually no programming skills. While many businesses still rely on traditional batch reports produced from an IBM zSeries™ device, others require PC-based reports with the ability to change graphs and colors and customize aspects of the reporting processes. The ability to have a diverse reporting structure results from the use of system management facilities and Visual Storage Access Method reporting. Using tools such as IBM Tivoli Decision Support for OS/390 allows information to be combined from multiple sources, including Tivoli Monitoring for Network Performance, and provides an overall enterprise performance view.

**Proactive monitoring**

With Tivoli Monitoring for Network Performance, you can proactively monitor network performance and be promptly notified when problems arise. The product can support Tivoli NetView for OS/390, Tivoli NetView for z/OS, Tivoli Business Systems Manager and third-party automation tools to automatically identify and resolve problems. Alerts can be defined to cover such critical areas as channel queue size, response-time exceptions and excessive utilization of numerous resources. Automated operations can then take action before end-user complaints begin to flood your help desk. If human intervention is required, Tivoli Monitoring for Network Performance can provide needed background information.

IP and SNA monitoring tools are critical for today's ever-changing enterprise networks. The ability to react immediately to, identify, isolate and diagnose network issues is even more crucial in a heterogeneous network. With Tivoli Monitoring for Network Performance you can view the z/OS or OS/390 system and connected IP or SNA network performance data. This information is critical for managing the delivery of e-business applications and the growth of your business.
## Supported platforms

### Tivoli NetView for TCP/IP Performance

**Server**
- IBM z/OS, Version 1.1 or higher or IBM OS/390, Version 2.8 or higher

**Client**
- IBM or PC-compatible 300MHz with 64MB RAM; Microsoft® Windows® 98, Windows Me, Windows 2000, Windows XP or Microsoft Windows NT®, Version 4.0 or higher

**Web server**
- Apache for Windows NT 1.3.22 or higher, Apache for Linux® or Microsoft IIS

### Tivoli NetView Performance Monitor

**Server**
- OS/390, Version 2.6 or higher, including z/OS
- IBM 3270 display mode 2 emulator (25x0) or a 3290 terminal operating as a SNA logical unit type 0 or type 2

**Console**
- IBM OS/2 WARP® 4 or higher
- Windows 98, Windows NT and Windows 2000
- Tivoli NetView NMC Topology server 1.3+ on IBM AIX®, IBM OS/2® and Windows NT platforms

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### To learn more

For information on Tivoli Monitoring for Network Performance and integrated solutions from IBM, contact your IBM sales representative or visit [info.tivoli.com/availability](http://info.tivoli.com/availability)

### Tivoli software from IBM

An integral part of the comprehensive IBM e-business infrastructure solution, Tivoli technology management software helps traditional enterprises, emerging e-businesses and Internet businesses worldwide maximize their existing and future technology investments. Backed by world-class IBM services, support and research, Tivoli software provides a seamlessly integrated and flexible e-business infrastructure management solution that uses robust security to connect employees, business partners and customers.