

Alcatel-Lucent VitalQIP SNMP

IP MANAGEMENT SOFTWARE

Alcatel-Lucent® VitalQIP™ DNS/DHCP and IP management software efficiently configures, automates, integrates and administers IP services across the entire network — locally or globally. VitalQIP management software centralizes IP services planning and administration, enabling rapid provisioning of address space and reliable delivery of critical IP services throughout a network.



Key features

- Enhanced server monitoring
- Network management automation
- Flexible user interface
- Enhanced service delivery monitoring

Key benefits

- Maximize overall uptime by quickly obtaining statistical data on server performance
- Automate repetitive manual tasks; reduce operations and administration staffing needs
- Customize the management interface by choosing tracked variables
- Track IP service delivery across the network

VitalQIP software modules add functionality into an existing management system, extending capabilities and increasing the return on network investment.

Streamlined operations

VitalQIP SNMP maximizes network performance and uptime by automating collection and monitoring of performance statistics and operational data from Domain Name System (DNS) and Dynamic Host Configuration Protocol (DHCP) servers. VitalQIP SNMP provides the most extensive set of SNMP management information base (MIB) variables, enhancing network-wide visibility into critical services.

Simplified data collection

VitalQIP SNMP management software is a flexible and customizable management platform that uses precise information to maintain top network performance.

Statistical information collected by DNS and DHCP servers is stored in a set of MIB variables that enhance server monitoring, performance and operational status. The Alcatel-Lucent DNS and DHCP variables extend the standard MIB, enabling the collection and monitoring of key data such as:

- Counters: by subnet, protocol and server
- Statistics: occurring in near real time based on configurable settings
- Configuration: including recursion services by DNS
- Traps, alerts and alarms: by class, type, time, host description and more

The VitalQIP SNMP Module performs the tasks of many individual network management tools and automates repetitive manual tasks, eliminating additional dedicated hardware and software. The SNMP Module interoperates with leading products such as Alcatel-Lucent VitalNet™ Network and Performance Management software and HP OpenView platforms. In addition, the Alcatel-Lucent MIB variables can be used in conjunction with the standard Internet MIB. Multivendor, multiplatform support helps protect existing network management investments.

Features

- Comprehensive DNS/DHCP coverage — captures more than 100 MIB variables
- Alcatel-Lucent DHCP MIB variables
 - System – description, status
 - Subnet counters – used, unused, full subnets
 - Bootp/DHCP counters – sent and received packets by message type
 - Bootp/DHCP statistics – response times
 - Server configuration – subnets, ranges, allocation types
 - Failover – partner address, type, status
 - Traps – stopped, started, reload, subnet threshold, failover
- Alcatel-Lucent DNS MIB variables
 - System – description, status; also supports all MIB II system variables
 - Counters – sent and received packets by message type, types of DNS operations
 - Counter table – counter information broken down by DNS opcode, class and type
 - Statistics – accept and response times
 - Configuration – recursion, round-robin and server configuration information
 - Traps – stopped, started, reload, configuration error
- SNMP support — compliant with SNMP v1, v2, v3
- Multiplatform support — Microsoft Windows Server® 2003 Enterprise and Standard editions (32 bit only) with SP1 or SP2, Solaris™ 9 & 10 operating systems on UltraSPARC® microprocessors, Red Hat® Enterprise Linux® 4 (x86 only)