



Ready-to-run SNMP agent

Ubizen AETHIS
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CIAgent, a member of the **SecureIntelligence** Product Family, is a secure SNMP agent that is combined with the ease of Web-based management. This standards-based agent is comprised of the EMANATE[®] Master Agent and multiple extensions for system and application management. A powerful subagent development kit for building custom extensions can also be purchased as an option. This intelligent agent supports SNMPv1, SNMPv2, and SNMPv3. Evaluation copies of CIAgent are available for Download.

EMANATE is a run-time extensible, SNMP agent that contains the world's leading subagent development kit, which automates subagent development. Based on a Master Agent/Subagent architecture, EMANATE allows subagents to be loaded and unloaded dynamically at run-time. A de facto industry standard for SNMP agent extensibility, EMANATE is licensed by Cisco Systems, Nortel Networks (Bay Networks), Hewlett-Packard Company, Lucent Technologies, Siemens AG, Hitachi Ltd., and many others.

CIAgent can be used in the following ways:

- ✓ **Monitor important applications**
The *Critical Application Monitor* can be configured to carry out suitable actions when the application terminates, such as sending a trap or restarting an application.
- ✓ **Monitor system and application logs**
The *Log File Monitor* examines log files and performs actions when user defined patterns are encountered or when the log file exceeds a certain size.
- ✓ **Monitor available capacity of file systems**
The *File System Monitor* shows current file systems and sends notification when the file system reaches near capacity. In addition, it adds the ability to perform actions based on file system problems. Other functions include execution of programs or scripts and/or sending traps.
- ✓ **Monitor network services**
The *Service Monitoring Subagent* (optional) is designed to determine if a service, such as a Web server, FTP server, or SMTP is working properly and whether response time is within acceptable parameters.
- ✓ **Manage information via Web browsers**
The *DR-Web[™] Extensible Agent* enhances the EMANATE Master Agent, providing EMANATE with an HTTP interface. This allows Web access to the management information of CIAgent. Also, Web pages that retrieve and display customized sets of management data can be created using HTML editors, such as Microsoft's FrontPage[®].
- ✓ **Collect network statistics**
The *MIB II* (RFC 1213), a core component of SNMP agents, provides almost 200 objects of information about the performance and statistics of the TCP/IP stack.
- ✓ **Monitor which applications are currently running**
The *System Application MIB* (RFC 2287) supports configuration, fault detection, performance monitoring, and control of application software. This agent creates tables that define an application as a series of processes and services. This includes tables that show applications installed on the system, elements and processes that are included in an application and current and previously run applications.
- ✓ **Monitor resources on a system**
The Host Resources MIB (RFC 1514) provides useful information about the systems and applications running on those systems. There are approximately 85 different objects available, including the following:
 - System
 - Type of CPU(s)
 - Number of CPUs

- Processor speeds
 - System uptime
 - Time and date functions
 - Processor load
 - Storage & File System
 - Number and type of disk
 - Disk utilization
 - System swap configuration
 - System memory
 - System memory utilization
 - Software
 - Software installed on the system
 - Software running on the system
- ✓ **Reduce the load on centralized managers**
The *Mid-Level Manager* (MLM) [DisMan[™]] reduces network traffic by shifting the continual management of a machine from the enterprise manager to the local machine. The MLM uses scripts to aggregate, summarize, and transform data into useful information. This information is then reported to the enterprise manager. The MLM can be used in conjunction with any of the included MIBs to monitor objects, based on time intervals.
 - ✓ **Reduce the polling load on centralized managers**
The *Event MIB* [DisMan] monitors MIB objects and performs actions that are based on given conditions, such as exceeding a threshold. Event MIB allows the user to configure traps that are either standard or enterprise specific. This product is based on the alarm and event tables from the RMON MIB.
 - ✓ **Schedule activities**
The *Schedule MIB* [DisMan] provides scheduling of actions either periodically or at specified dates and times.
 - ✓ **Build in a transition plan**
The *Native Agent/Subagent Adapters* allow for the smooth coexistence of CIAgent and the native SNMP agent, which is provided by the underlying operating system.
 - ✓ **Troubleshoot**
The *Trapsend* utility allows traps to be sent from the command-line or from shell scripts. Trapsend supports SNMPv1, SNMPv2, and SNMPv3.
 - ✓ **Build custom extensions**
The *Subagent Development Kit* (optional) makes it easy to add custom subagents that support new MIB modules.
 - ✓ Initial Supported Platforms: Solaris, HP/UX, Linux, Windows NT

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