Unison-Tymlabs

Maestro and Load Balancer

675 Almanor Ave.
Sunnyvale, CA 94086 USA

Tel: 408-245-3000
Fax: 408-245-1412

Unison's Maestro is an industrial-strength workload management solution for UNIX systems. Maestro can schedule jobs anywhere on the network according to customized business calendars, in addition to date, day of the week and time. While the UNIX 'cron' utility provides only simple date-based and time-based scheduling, Maestro can launch jobs automatically at the end of the month or two weeks before the end of the fiscal year. Job initiation can also be dependent on the successful completion of other jobs, on the existence of needed files on any node in the network, on user response to a Maestro prompt, or on the availability of critical hardware or data resources.

Solaris version: 2.3, 2.4
Solstice application/version:
Type of integration:

Zenith Electronics Corporation

Enterprise Exchange

1000 Milwaukee Avenue
Glenview, IL 60025 USA

Tel: 708-391-8912
Fax: 708-391-8919

Zenith Electronics Corporation will develop an application based on Solstice SunNet Manager to manage its Enterprise Exchange product. Enterprise Exchange is a fault-tolerant intelligent premise wiring system which interconnects Ethernet, Token Ring, and FDDI networks.

Solaris version:
Solstice application/version:
Type of integration:

OSCOM International Pty Ltd

SNMP MIBTool

OSCOM International SNMP MIBTool is an object oriented Meta CASE tool that enables the development of Internet SNMP compliant specifications and applications faster than ever before. SNMP MIBTool is a user friendly tool that increases productivity and reduces the learning curve for network management software developers. MIBTool provides comprehensive syntax and semantic checking, a Meta CASE facility, provided by the Object Specification Language (OSL), and a way to quickly create/modify relationships between objects graphically. The OSL scripts permit the generation of: Language binding (e.g. C/C++), Database schema (e.g. SQL), Platform integration (e.g. SNM, OpenView), SNMP Agent generation (e.g. MTT, CMU), and MIB Reports and Statistics.

Besides the ability to create and modify Internet compliant MIB's the most important feature of MIBTool is the Object Specification Language (OSL). This feature, permits the user to specify the generation of output from MIBTool. OSL is an extended ANSI basic language that caters for Internet MIB's by providing functions that access the information defined in a MIB specification. By creating or modifying an OSL script via MIBTool, there is no limit to the scope of output that can be generated. This facility ensures that MIBTool is a true Meta CASE Tool.

Solaris version:
Solstice application/version: Solstice SNM 2.2
Types of integration: Console Menu Interface, Data File Integration

Level 25
QV1 250 Saint Georges
Ter Perth WA 6000
Australia

Tel: 61-9-481-3444
Fax: 61-9-481-0111

Ouest Standard Telematique (OST)

Hypervisor and Administrator

This administration product provides multi-protocol management of LAN and WAN OST's equipment, such as switches, routers, bridges. It is based on the SunNet Manager software platform. It consists of two products that are functionally similar but specially designed to manage large and medium networks.

The LAN/WAN Hypervisor provides integrated management of networks of more than 300 objects. The Lan/WAN Administrator provides integrated management up to 300 objects.

Solaris version: 1.0
Solstice application/version: SNM 2.0
Types of integration: Manager API and Database API

Rue de bas Village - BP 158
35515 Cesson Sevigne
Cedex, France

Tel: (33) 99 32 50 50
Fax: (33) 99 41 71 75

OSCOM International Pty Ltd

OSGATE 700 Network Management Gateway

Level 25
QV1 250 Saint Georges
Ter Perth WA 6000
Australia

Tel: 61-9-481-3444
Fax: 61-9-481-0111

OSGATE-700, "Black Box," can best be described as a Network Management Gateway. Through the use of innovative technology, OSGATE-700 integrates disparate devices (UPS, Alarm System, PABX, Environmental Control Systems) which currently provide proprietary and rudimentary control, into the network management environment. OSGATE-700 facilitates device integration by receiving and interpreting signals from networked and non-networked devices and translates the signals into industry standard network management protocols. Accessing and maintaining your field installed devices is now simple and cost-effective. The OSGATE-700 provides a gateway between proprietary devices and standard vendor network management systems, utilizes an Industry Standard SNMP interface and supports OSCOM International's SNMP MIBTool. Integration is facilitated via the high speed (100-400 Mb) Philips Inter-integrated Circuit Serial Bus (I^2 C). Both Input and Output Modules support the following devices via the I^2 C Bus: Contact Closure, RS0232 Interface, Current Loop, GPIB, and Custom Development. Connection to vendor Network Management Systems via LAN, WAN and point-to-point interfaces

Network software booting
The OSGATE-700 Management Application is integrated into Solstice SunNet Manager as well as several other leading SNMP Management Platforms. We are set to release the application on Solstice SunNet Manager , version 2.2. Both the hardware and software components are designed to be robust and extremely reliable in harsh operating environments. They are designed for unattended operation and automatic restart. Revised versions of OSGATE-700 software can be down-loaded over the LAN, allowing for quick upgrades from a central server. An installed version of OSGATE can be easily converted to perform a different mediation function by installing new software and/or adding various Input/Output Modules on the I^2 C Bus. Further, new SNMP agents may be created using OSCOM International's SNMP MIBTool.

OSGATE provides an Integrated Management View by:
Utilizing a single wiring scheme for voice, data and control systems.
Reducing the complexity of managing disparate devices.
Providing integrated management reporting features where previously not possible.
Assigning multiple routing capabilities for critical network management information.

Solaris version: 2.3 (2.4, 9-95)
Solstice application/version: Solstice SNM 2.2, Solstice SNM 2.2.2
Types of integration: Console Menu Interface, Data File Integration, Uses Agent API, Uses Manager API

Human Engineering

HEAG-SMUX

SNMP Agent for OS and application control. Execution of commands within the agent or scripts, i.e., SNMP Multiplexor working together with Sun and other SNMP agents. Simple to use and configure, works together with all types of agents.

AG Faeberstrasse 15
Winterthur CH8400
Switzerland

Tel: 41 52 232 0326
Fax: 41 52 232 0620

Solaris version: 2.3,
Solstice application/version:
Type of integration: Data File Integration

Motorola Mobile Data Division

Network Management System

Motorola's Wireless Data Group (WDG) uses Solstice SunNet Manager as the framework for the development of its Network Management System (NMS). The NMS provides for main functions to the network operator. These functions are Configuration Management, Fault Management, Performance Management, and Security Management. The NMS also introduces the Client/Server architecture which allows managing/monitoring of the network from different locations. Through the NMS's graphical user interface (GUI), the network operator can perform a variety of tasks including network configuration, alarm management, maintenance and diagnostics, statistics collection, and security management. NMS meets the requirements set in the CDPD System Specification Release 1.0.

11411 5 Road
Richmond BC V7A 4Z3 Canada

Tel: 604-277-1511
Fax: 604-241-6042

Solaris version:
Solstice application/version:
Types of integration: Console Menu Interface, Uses Agent API, Uses Manager API

Computer Associates

CA-Unicenter/Software Delivery

One Computer Associates Plaza
Islandia, New York 11788 USA

Tel: 516-342-6000
Fax: 516-342-5737

Software Delivery automates distributed computing's most onerous and expensive task: the delivery and installation of software and updates across thousands of servers, desktops and networks. CA-Unicenter/Software Delivery provides new software and updates in a scalable, controlled, secure, scheduled and auditable manner to networked multi-platform desktops and servers at the push of a button. Working through its client/server systems manager, Software Delivery runs on platforms as diverse as LANs, UNIX, AS/400s and mainframes.

CA-Unicerter/Software Delivery provides:

• Scalable Software Delivery. New software is automatically distributed according to a multi-staged or stepped structure, sending the software first to a server at each site with instructions to retransmit to all desktop clients.
• Scheduled and Ad-hoc Distribution. Sends the software when transmission is most desirable -- for instance between 2-4 a.m. when computers are often not in use.
• Automatic Installation and Confirmation. Confirms that the software is installed or the update is implemented correctly.
• Corequisite Software Installation. Includes updated versions of all software required by the target software package being distributed, eliminating non-compatible functionality between versions.
• Automated Software Inventory. Notification of current software installed to simplify internal record keeping.

Solaris version: 2.3 and 2.4
Solstice application/version: Solstice SNM 2.2
Type of integration: Console Menu Interface

GNP Computers

DEI Manage

606 E Huntington Dr.
Monrovia, CA 91016 USA

Tel: 818-305-8484
Fax: 818-305-9177

DEI Manage allows access to the full functionally of the DEI-Turbo family of asynchronous serial and ethernet products. In particular, DEI manage provides a front end for instantly accessing port statistics, configurations and diagnostics. This also includes hardware and software early warning and monitoring systems.

Solaris version: 2.3, 2.4
Solstice application/version:
Types of integration: Console Menu Interface, Uses Agent API

Bridgeway Corporation

EventIX Application Monitor

Application Monitor is an EventIX off-the-shelf application that provides monitoring and recovery of application software and other system processes throughout the distributed network. It makes use of the Solstice SunNet Manager's User Interface to provide a color-coded status regarding the state of all the applications being monitored.

The Application Monitor is an SNMP management application. It uses a MIB to represent the applications being managed as well as the operations supported to control them.

Solaris version: 2.4
Solstice application/version: Solstice SNM 2.2.2
Type of integration: Console Menu Interface, Manager API, SNMP Port, Requires Solstice SNM to run

8585 154th Avenue, N.E.
Redmond, WA 98052

Tel: 206-881-4270
Fax: 206- 861-1774
Internet: ben@server.bridge-way.com

Cabletron Systems Inc.

Spectrum Portable Management Application for SunNet Manager

Spectrum Portable Management Application (SPMA) for Solstice SunNet Manager version 2 is a modularized network management solution designed to integrate into Solstice SunNet Manager version 2 at the API level. Spectrum Portable Management Application (SPMA) for Solstice SunNet Manager provides 100% configuration and diagnostic control in an interactive Graphical User Interface design allowing seamless management over Cabletron's Ethernet, Token Ring, WAN, ATM, and FDDI intelligent devices.

Solaris version: Solaris 2.3
Solstice application/version: Solstice SNM 2.2.2
Type of integration: Console Menu Interface

P.O. Box 5005
Rochester,
New Hampshire 03866
USA

Tel: 603-332-9400
Fax: 603-337-7370
Internet: sales@ctron.com
or http://www.ctron.com/

BMC Software, Inc.

PATROL

2101 City West Blvd.
Houston, Texas 77042
USA

Tel: 800-841-2031 or 713-918-8800
Fax: 713-918-8000

PATROL is a database monitoring and systems administration tool that provides centralized control of all the servers in a distributed computing environment. From a single graphical console, PATROL helps you pro-actively manage all your computers, resources, databases and applications 24 hours a day. The product uses server-based agents and loadable libraries of expertise to automatically discover the environment; continuously survey the systems; identify and correct problems or initiate warnings; and communicate all activities via the integrated console.

Solaris version: 2.3
Solstice application/version: Solstice SNM 2.2.2
Type of integration: Requires Solstice SNM to run

BMC Software, Inc.

PatrolLink SunNet Manager

2101 City West Blvd.
Houston, Texas 77042 USA

Tel: 800-841-2031 or 713-918-8800
Fax: 713-918-8000

PatrolLink allows the Solstice SunNet Manager user to manage not only their network, but also all of the system, applications and databases running on the network from one GUI console. PatrolLink gives Solstice SunNet Manager the functionality of PATROL by allowing the Solstice SunNet Manager console to access PATROL's powerful object-oriented graphical environment for monitoring and managing all of the systems, databases and applications in a company's corporate network.

At any time, the user can get a complete picture of all of the important software applications running on any system by clicking on the icon of the machine in the Solstice SunNet Manager GUI and “drilling down” into a graphical representation (provided by PATROL) of all of the monitored software applications running on that host. If a problem is discovered, PATROL will perform automatic recovery action and notification. In addition, PATROL will pass alarms that are discovered on managed machines to the Solstice SunNet Manager environment which will signal, by flashing on the Solstice SunNet Manager main map, that the system is having a problem.

Solaris version: 2.3
Solstice application/version: Solstice SNM 2.2.2
Type of integration: Requires Solstice SNM to run

Aston Brooke Software

ServerVision

ServerVision is a comprehensive, integrated tool for monitoring and managing UNIX Servers. ServerVision's GUI provides state-of-the-art performance data retrieval and display capability in real time and retrospect. ServerArchive maintains a compressed historical database of performance data 24 hours per day, 7 days per week. This history database displays transient conditions, trend data for planning and alarmed exceptions with their resolution. ServerAlert predicts, detects, and corrects performance conditions which exceed threshold levels you establish. Through easy-to-configure parameters, support personnel are notified via multiple escalation levels of remote paging, E-mail, and ServerVision's GUI. ServerAlert automatically initiates corrective actions as built into ServerVision or as you designate. Support staff may respond through ServerVision's GUI or ServerVision's Character Terminal Interface which enables remote access and action using simple technology. ServerAdvisor provides support and direction to UNIX Administration staff in response to exception conditions.

In summary, ServerVision enables remote UNIX Administrator support, enables 7 x 24 support without headcount additions, enhances the effectiveness of Senior UNIX Administration staff by automating repetitive tasks, accelerates the apprenticeship of junior or part-time UNIX Administration staff and results in improved Server performance for application users.

Solaris version: 2.3
Solstice application/version:
Type of integration:

610 W. Germantown Pike, Ste. 450
Plymouth Meeting, PA 19462
USA

Tel: 215-834-3960
Fax: 215-834-3963

BIM Networks

Proxy Agents Library

BIM Networks offers a set of proxy agents for non SNMP network devices and masters the technology to build custom-made proxies providing the following functionality:

• Proprietary management protocol translation
• Intelligent polling scheme
• Configuration management
• Graphical management applications

Solaris version:
Solstice application/version:
Types of integration: Uses Agent API, Uses Manager API

Kwikstraat 4
B-3078 Everberg
Belgium

Tel: 322-759-5925
Fax: 322-759-4795

Alcatel Bell

SNA-Expert

Excelsioriaan 44-46
B-1930
Zaventem, Belgium

Tel: (322) 718-7080
Fax: (322) 718-7000

SNA-Expert is a software product from Alcatel Bell that integrates the standard functions of Solstice SunNet Manager with management functions for SNA networks. The principal features of SNA-Expert are the automatic discovery of the SNA network configuration and its incorporation into Solstice SNM views, and the fault and alarm reporting based on high level filtering and correlation principles.

SNA-Expert is a software chain, consisting of:
• SNM-Bridge, a software installed on every SNA host, that collects configuration and event information from VTAM and/or NetView, and is able to emit VTAM or NetView commands.
• SNM-Expert SNA, a software installed on Sun to communicate with the NM-Bridges, exchange command/ replies, and correlate the SNA management information.
• SNM-Bridge is the software agent running on Sun responsible for the interaction with the Solstice SNM applications.

The principal characteristics of SNA-Expert are the following:
• Automatic discovery of the SNA configuration at startup, and incremental adaptations afterwards. SNA recognized objects include SNA networks, hosts, cross domain resource managers and resources, PUs (including SSCP and NCP), LUs (including applications), major nodes, lines, link stations, transmission groups, and routes.
• Pre-defined, but freely configurable icon and view representation of the SNA network components, integrated in the existing Solstice SNM view framework.
• Collection, filtering and correlation in time and place of VTAM messages and/or NetView messages. Together with this goes the generation of high-level traps for the SNA network elements where problems appear. Those traps are uniformly treated in SNM, so that display and log services are fully available.
• A summary window allows for an overview of the actual SNA problems, and a consistent treatment of those problems.
• A command window allows a launch VTAM and NetView commands (accessible in a menu).

As an option this software can be extended. New filtering and correlation rules can be defined or other alarms can be considered (e.g. application alarms).

In the SNA network, an NM-Bridge software has to be installed and configured on each host. Currently, the NM-Bridge runs on the MVS operating system.

The connection between SNA network and the Sun machine is done through a LU6.2 session with one of the NM-Bridges. For this, an SDLC line, or token ring connection has to be configured on the Sun, and in the SNA network. The Sun machine must be a SPARC, with color screen, 64 Mb of main memory, at least 120 Mb of swap space and 100 Mb of free disk space for software installation. Moreover, the Sunlink SNA Peer-to-Peer communication software (LU6.2) is required.

Solaris version: 1.1 (will be 2.3 Q4/95)
Solstice application/version: Solstice SNM 2.2.2
Types of integration: Uses Agent API, Uses Manager API, Requires Solstice SNM to run

Software Management