NetMan

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Dhyan NetMan® is a powerful software suite that can manage and control both telecom and data networks. NetMan® can be configured with a full complement of Fault, Configuration, Topology, Performance, and Security modules to simplify the management of complex networks.

With NetMan®, network administrators can efficiently monitor the status and performance of all devices. Administrators can monitor network performance from any browser and pinpoint bottlenecks in real-time. With advanced fault management features, Dhyan NetMan® provides alarm filtering, alarm correlation, and alarm handling features to help administrators isolate and correct problems in the network.

The Dhyan NetMan® User Interface has an easy-to-use design. Navigation between modules is simple and intuitive, with consistent access to reports and screens. Administrators can quickly bring up any report in just two to three clicks. The user interface uses the latest technologies like AJAX and Flash to provide a rich and responsive user experience.

Topology Display

NetMan® has the intelligence to automatically discover elements in the network and present a Google Maps network view of all deployed units. It highlights faults in the network by using color coding for each network element. The operator can easily bring up a device's details from the map view.

KEY FEATURES

- Scalable architecture can handle large networks
- Powerful Fault Detection and Reporting for problem resolution
- Intuitive, state of the art web-based GUI for operator efficiency
- Enhanced network visualization using Google Maps support
- Built-in Trouble Ticketing interface
- Network element auto-discovery and provisioning simplifies installs
- Bulk & Scheduled Element Provisioning Support
- Flexible graphing & reporting of key network metrics
- Simple-to-use reports on Top 'N' and Bottom 'N' indicators
- Support for SLA monitoring and assurance

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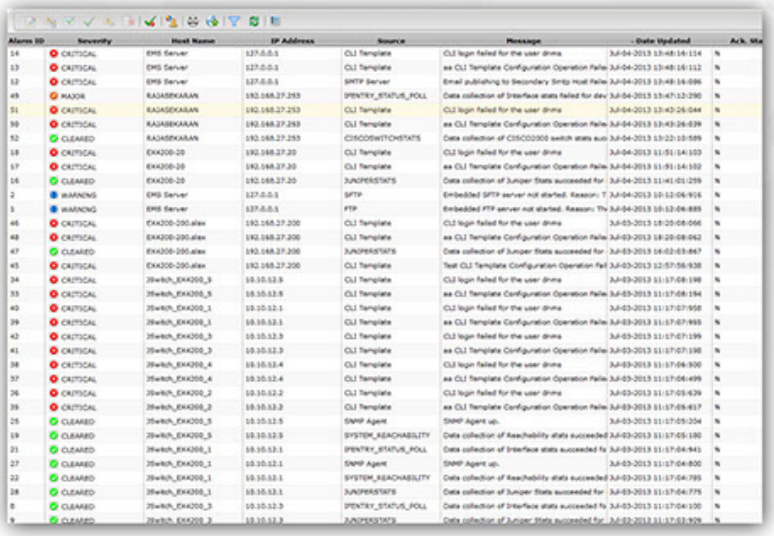
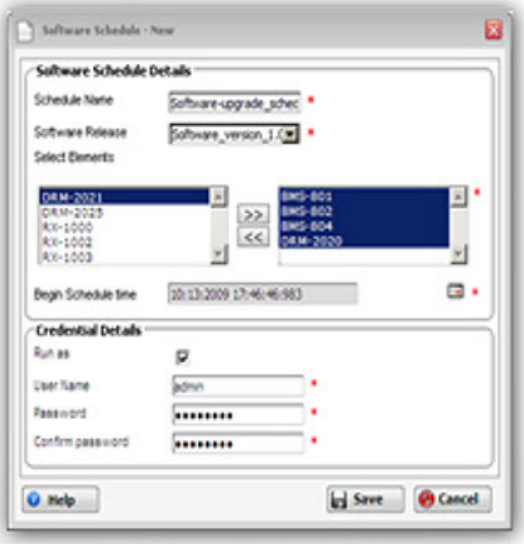


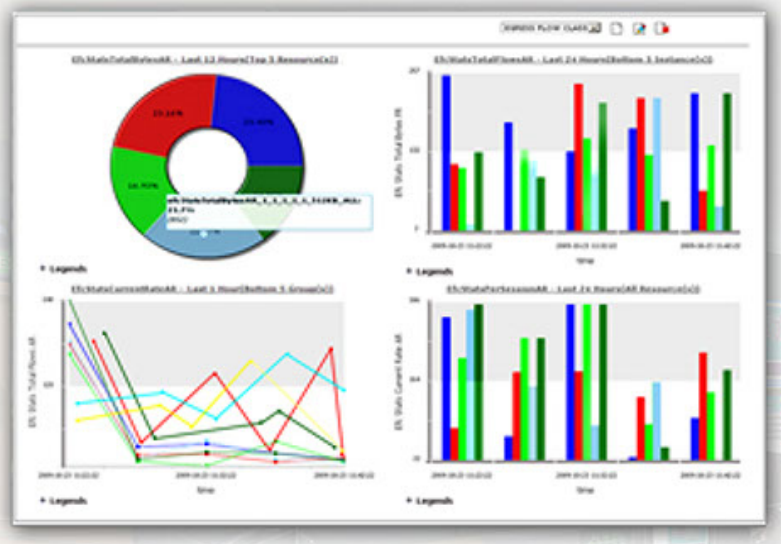
Fault Reporting

Dhyan NetMan® offers an intuitive GUI for tracking alarms and recording all faults in the network. It has a built-in trouble ticketing interface to aid the administrator in managing faults. Dhyan NetMan® has a range of publishing and display tools that allow automatic filtering and forwarding of alarms from devices for timely notification of problems.

Configuration

Dhyan NetMan® supports the provisioning and software updates of network elements. The operator can make use of template-driven bulk provisioning to update multiple network elements with a single command. Periodic scheduling of repeated tasks (including software upgrades) can be done in non-peak hours to minimize the impact on services and reduce the workload of an administrator as well.





Reports

Dhyan NetMan® can continuously monitor multiple key performance metrics for each configured network element. Performance results can be conveniently displayed in multiple report formats for administrators. NetMan can generate reports on “Top ’N’ users” or “Bottom ‘N’ users” of bandwidth usage or any other key metrics within the defined network. These reports help an administrator quickly identify bottlenecks and problems within a specific network.

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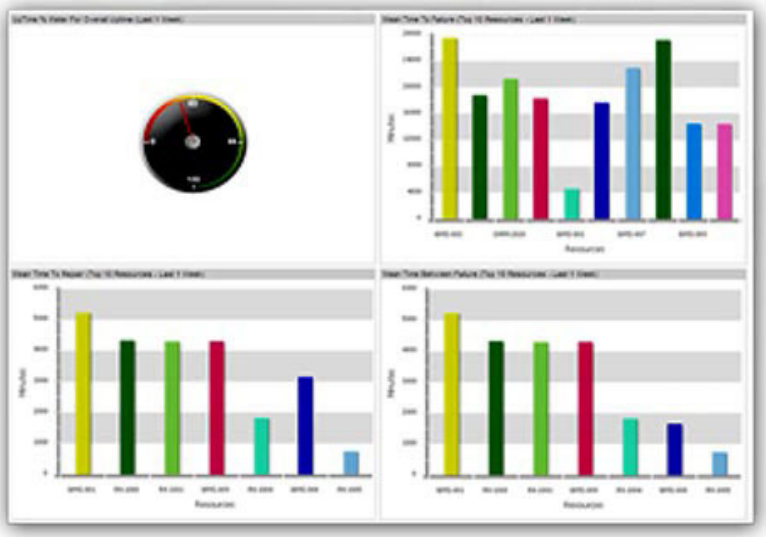

SLA Assurance

NetMan® generates reports on the availability of all configured network elements and makes that data available in intuitive report formats. These availability reports help the service provider monitor the availability of all equipment within the network. This is crucial in order for a service provider to offer a guaranteed SLA (Service Level Agreement) to the end-customer. NetMan® provides availability statistics such as MTTR (Mean Time To Repair), MTTF (Mean Time To Failure), and MTBF (Mean Time Between Failure) to help an administrator narrow down network problems related to specific equipment.

NetMan® also has support for enforcing thresholds of various performance metrics. Using threshold support, administrators can quickly be warned of performance degradation and take necessary preventive actions to provide the guaranteed SLA.

Security

Dhyan NetMan® includes extensive JAAS framework-based security features to manage administrative user Logins. The security features enable administrators to implement fine-grained security policies with user-friendly access tools. This ultimately allows administrators to appropriately control access to network resources.

Robust Scalable Component Architecture

Dhyan NetMan® is built on a robust EJB and JZEE server infrastructure to provide an easily extensible and highly available management solution. This solution can be deployed in a small configuration and then grow as needed. NetMan® can be deployed in highly available configurations using clustering. It can work with any JDBC-compliant database and run on either UNIX or Windows servers.

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Customizable

NetMan® can be customized for most application environments and equipment. The component-based architecture supports

Minimum Hardware Configuration for Dhyan NetMan®

System Requirements	Microsoft	Linux
Server Operating System	Windows 2003 Windows XP Professional Editions (SP2) Vista Windows 7	Red Hat Enterprise Linux 5.0 Cent OS 5.x
Server Processor Type	Pentium	Pentium
Server Processor Speed	2GHz	2GHz
Server RAM	4 GB	4 GB
Server Disk Space	40 GB	40 GB
Client Browser	Internet Explorer 7.0 or higher Mozilla Firefox 3.x or higher Chrome 40.x or higher	Mozilla Firefox 3.x or higher Chrome 40.x or higher
Database	Oracle MySQL	Oracle MySQL

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