

RADview-HPOV

SNMP Network Management System for WAN



FEATURES

- Central SNMP-based management system for WAN
- Network management applications running on HP OpenView Network Node Manager / UNIX platform
- Network management functionality in accordance with the Telecommunication Management Network (TMN) recommendations
- Open system architecture enables integration of heterogeneous networks
- Element and network management capabilities
- Software modules for:
 - TDM networks (E1/T1 multiplexers and cross-connects, integrated data/voice multiplexers)
 - Packet Switching networks (X.25 / Frame Relay PADs / switches)
 - ATM and Interworking Network termination units (ATM access concentrator)
 - Corporate networks (integrated bandwidth managers, internet access routers)
 - Modem networks (HDSL/ modem racks)
 - Service Center (end-to-end service management for carriers)
- Physical and logical network views
- Friendly and realistic graphical user interface based on OSF/Motif and X-Windows
- Real-time graphic display of statistics, trends and performance

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DESCRIPTION

- RADview-HPOV is a powerful SNMP management system used in planning, coordinating and operating heterogeneous, enterprise-wide networks. It runs on a Solaris UNIX platform and uses state-of-the-art OSF/Motif and X-Windows.
- The RADview-HPOV platform enables simple integration with other vendor management applications, and ensures maximum up-time of the network.

- RADview's network management functionality for WAN based networks is designed in accordance with the ITU-T Telecommunication Management Network (TMN) recommendations for SNMP. The following five functions specified by the TMN model are implemented by RADview's network element applications:
 - Configuration Management
 - Fault Management
 - Performance Management
 - Security Management
 - Accounting Management.

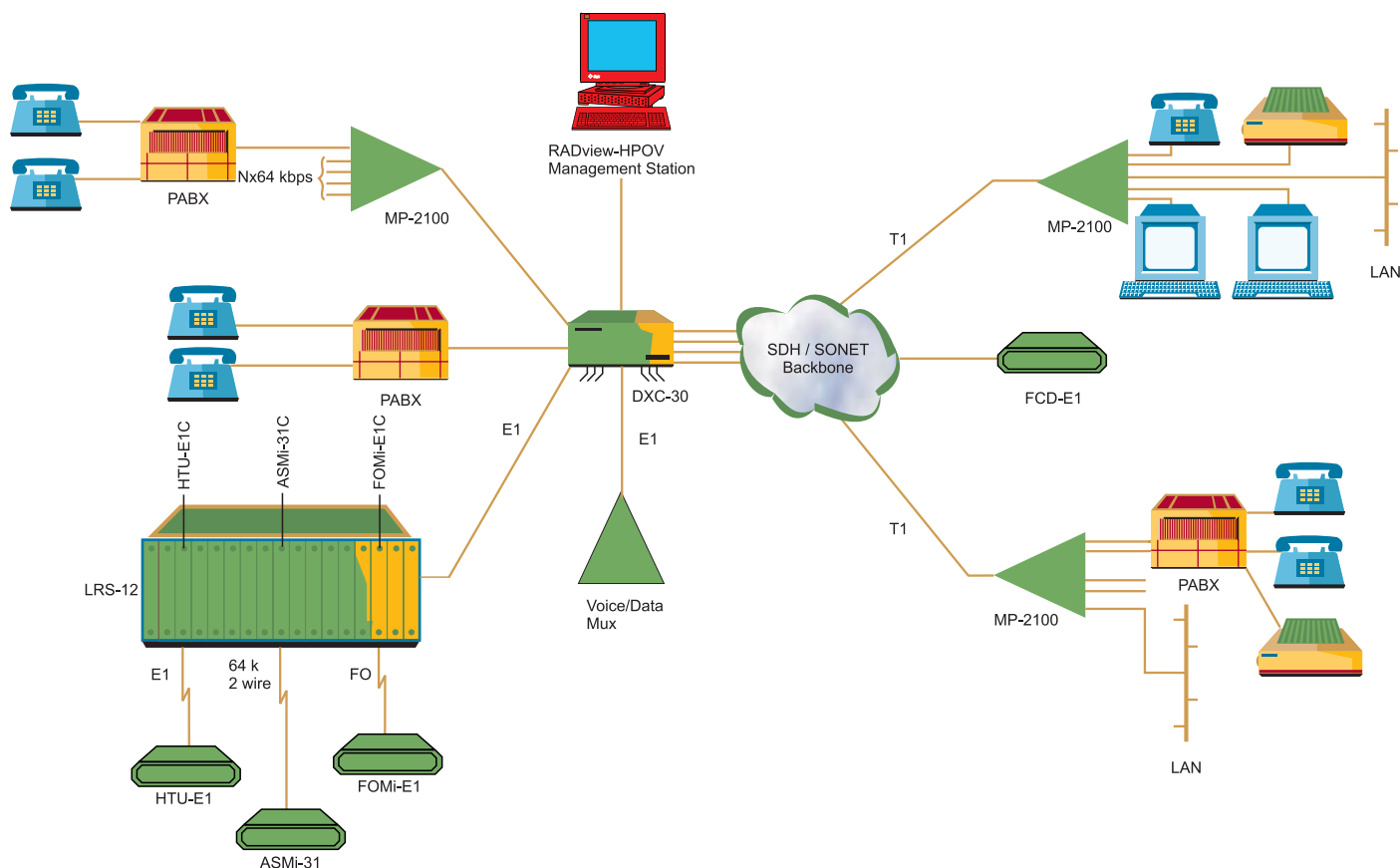
CONFIGURATION MANAGEMENT

- Connection establishment provides point-to-point and point-to-multipoint configurations, and complete control over the state of the network, device/port configuration and self-test ordering.

FAULT MANAGEMENT

- Unusual network behavior is detected, isolated and controlled. The results of the unusual behavior are displayed graphically at the network, device, card and port levels. The immediate response to the fault indication provides the ability to perform network reconfiguration.
- Network reconfiguration is available in the Service Center package, allowing recovery from partial network failure. End-to-end path management allows alternate paths to be activated across the network in order to maximize network up-time.

APPLICATION



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PERFORMANCE MANAGEMENT

- Network throughput and error rates are analyzed and controlled. Thresholds can be set for various variables, such as error rates or link utilization, for immediate alerts on network health and traffic usage. Collected data is displayed using HPOV utilities.

SECURITY MANAGEMENT

- Secure access between the network elements and the network management system via community name definitions is provided. UNIX security enforces access at the network management system.

ACCOUNTING MANAGEMENT

- RADview-HPOV collects raw data related to the usage/connection time of devices in the network.

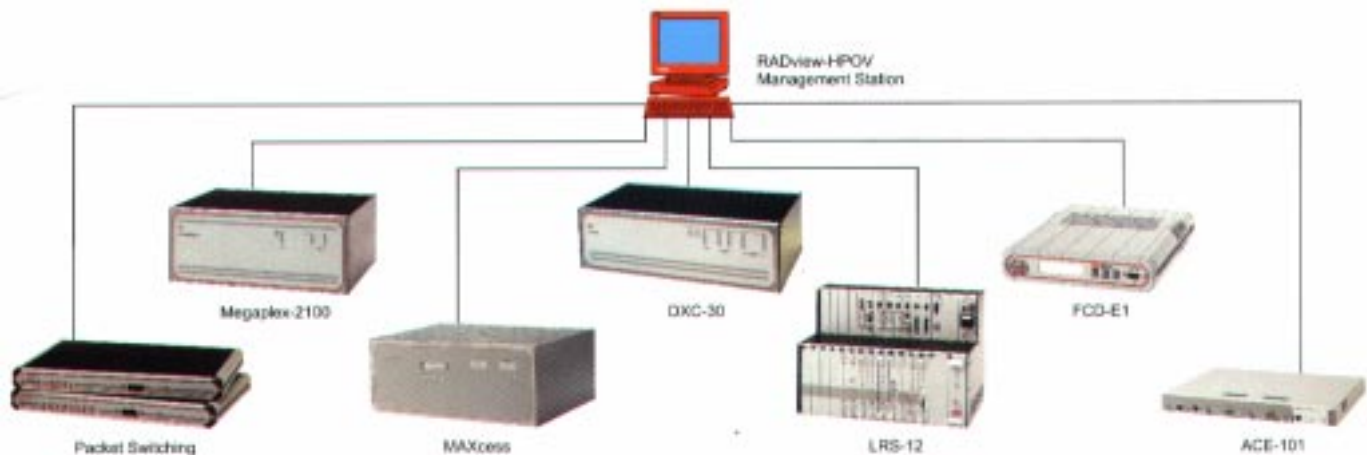
MAPS

- Maps can be defined dynamically to provide physical and logical network views (network elements and network connectivity). Powerful graphics provide the network manager with an image of each network agent. The network is continuously monitored for irregularities and network element status.

- RADview-HPOV supports multiple map levels enabling graphic display of the hierarchical network structure. A problem occurring at a lower level is forwarded to intermediate and upper levels for display.
- Enhanced tools monitor the network, set and check thresholds, diagnose performance problems and gather historical data. If thresholds are exceeded, traps are generated.

FEATURES

- The following features are implemented by the RADview-HPOV management system:
 - **Configuration planner** for simplifying the task of future network planning and configuration
 - **Copy configurations** at device, card and port levels
- **Sanity check** for network integrity check at the network, device, card and port levels
- **Logical network view**
- **End-to-end path management** for E1/T1 products for maximizing network up-time in case of partial network failure.
- **Advanced alarm management** setting for priorities and types
- **Multiple network managers** support with different access authorities
- **Network element status** is reflected by colors
- **Network (subnet) status** is propagated to all network levels
- **Graphical Time Slot assignment** by point and click for E1/T1 products
- **PVC and SVC** configuration
- **Configuration of a net** to alter its behavior based on events (acting as triggers).



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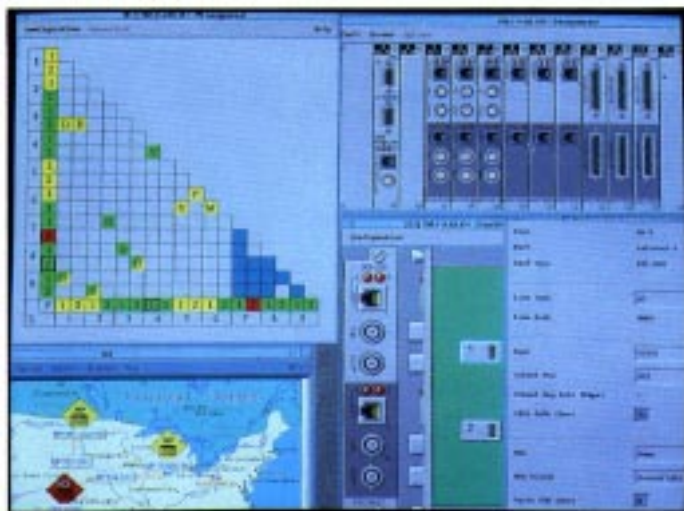
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REQUIREMENTS

For software and hardware requirements, see individual data sheets.

ORDERING

For details of RADview-HPOV modules and ordering information, see individual data sheets.



DXC-30 time slot assignment, card and port information



Map, device, card and port information

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