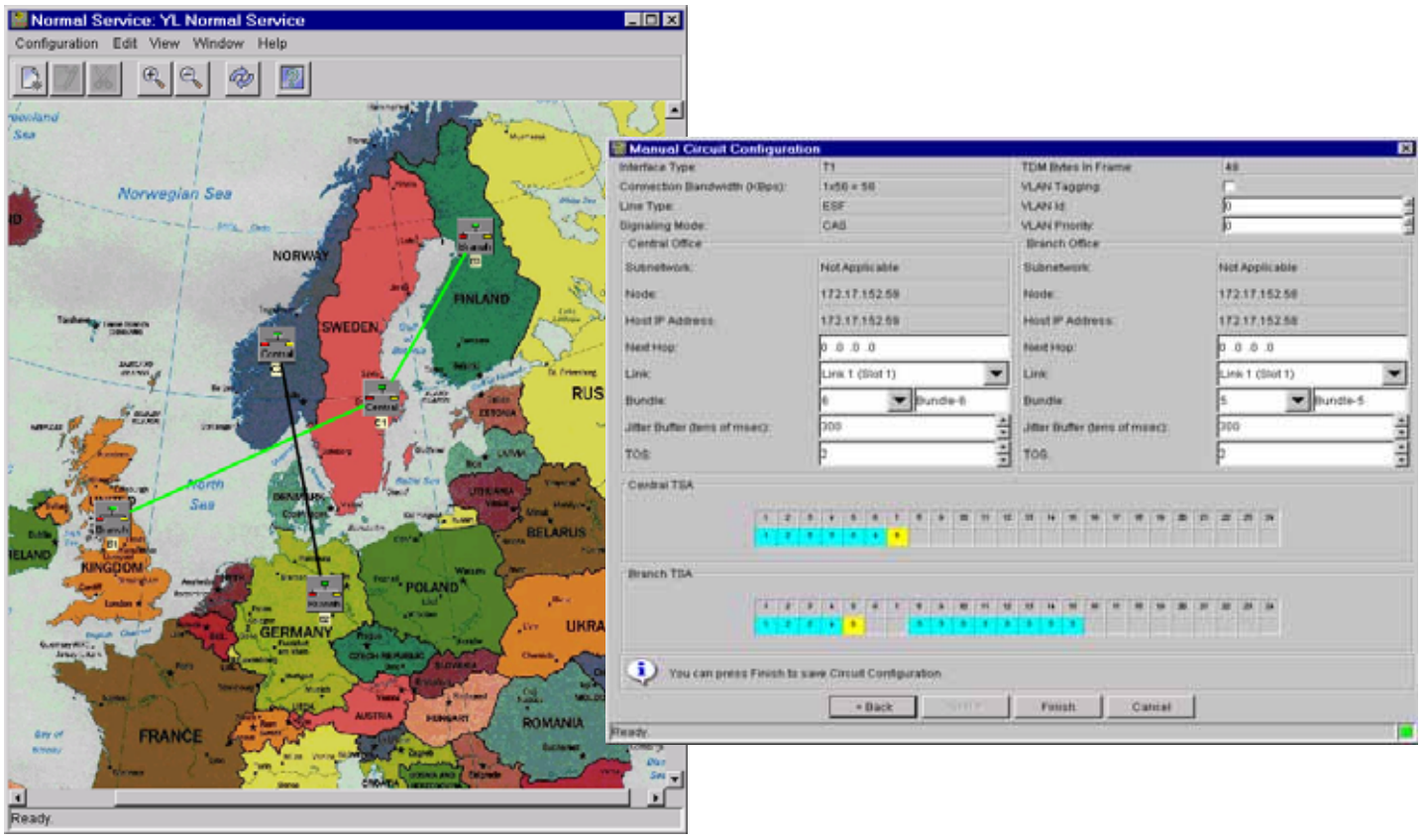
RV-SC/TDMOIP

Network Management System for Pseudowire Applications



Network management system for pseudowire gateway configuration and service provisioning

- Automatic discovery of NEs and configuration
- “Point-and-Click” GUI for easy creation of pseudowire connections
- Service association to network hierarchy to simplify fault isolation
- Open system design based on client-server architecture and CORBA APIs
- Java-based application enables platform independence (Windows or UNIX)
- Maintenance of configuration parameters in database allows for immediate reactivation of deactivated circuits
- Intuitive GUI for discovery and status indication of pseudowire connections
- Client-server architecture with northbound CORBA interface for easy integration with 3rd party systems

TDMoIP Driven®

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RV-SC/TDMOIP

Network Management System for Pseudowire Applications

RV-SC/TDMOIP is a powerful management tool for provisioning and monitoring pseudowire services. It allows the following:

- Automatic discovery of nodes and configurations
- Service association to network hierarchy for easy-to-control and fault isolation.
- “Point and click” provisioning from a central workstation

RV-SC/TDMOIP allows easy integration between the carrier’s front and back office systems (any third party application) due to its open system design based on client-server architecture and the CORBA northbound interface.

The intuitive GUI with “point and click” functionality, and easy-to-follow wizards increase the efficiency and accuracy of the service provisioning process and improves time to market, reduces truck rolls, and lowers customer support costs.

SERVICE PROVISIONING

The RADview Service Center application is a management and service provisioning tool for RAD’s IPmux and Gmux products. It offers pseudowire service provisioning, as well as embedded element management capabilities.

RV-SC/TDMOIP detects all TDMoIP gateways installed in the specified network segment and on the associated sites. RV-SC/TDMOIP also defines circuits between the pseudowire gateways at associated sites.

The application is able to detect and distinguish valid and invalid circuits and allows immediate modification of parameters to maintain network health. The RV-SC/TDMOIP system acts as master of configuration by maintaining a centralized and accurate database of all circuits and allows activating, de-activating and removing circuits with a single mouse-click.

PERFORMANCE MONITORING

RV-SC/TDMOIP monitors network performance (QoS, CoS) by collecting current and interval statistics in 15-minute intervals during a 24-hour period and displays the results in tables and graphs

Collecting statistics includes performance measurements of connectivity, delay, error and packet loss rates for QoS calculations.

FAULT ISOLATION

RV-SC/TDMOIP analyzes the system in real-time, thus enabling users to immediately locate errors as they occur, using the following methods:

- Fault propagation, enables immediate display of service outages
- Alarm correlation, easily detects faulty circuits
- Event management, determining the way events are displayed in the Event Browser
- Loopback and diagnostic tools minimize Mean Time To Repair

Specifications

MINIMUM REQUIREMENTS FOR WINDOWS-BASED SYSTEMS (CLIENT OR SERVER)

Hardware

IBM-PC compatible computer based on Pentium-4 3.0GHz or higher

2 GB RAM or more

Hard drive with at least 6 GB free disk space for installation

NTFS-formatted partition

DVD drive

17-inch color monitor, supporting 1280 × 1024 resolution or higher

Note: *The above requirements refer to single-user installations managing up to 200 network elements. For larger networks, please consult your RAD partner.*

Software

Microsoft Windows 7 or later, Windows XP SP2 or later, Windows 2008 SP2, Windows 2003 or later, with Terminal services not enabled

Windows default input language set to English

Windows display font size set to normal (96 dpi)

Services: SNMP, SNMP Trap, Server

SNMPc platform version 7.2.3

MINIMUM REQUIREMENTS FOR UNIX-BASED SYSTEMS (CLIENT AND SERVER)

Hardware

Sun SPARC Enterprise M3000 Server

One CPU: 2-core 2.75GHz VII+

SAS hard drive with at least 2 GB free disk space in **/opt** partition

SAS hard drive with at least 40 GB free disk space for Oracle in **/opt/oracle** or at least 1.5 GB free disk space for Informix (in any partition)

4 GB RAM or more

Swap file at least twice the RAM size

For each four additional simultaneous users via X-session, add 512 MB RAM and 1 CPU core

For each additional simultaneous open shelf view application via X session, add 128 MB RAM

DVD drive

17-inch color monitor, supporting 1152 × 900 resolution with depth 24

Note: *The above requirements refer to single user installations managing up to 300 network elements. For larger networks, please consult your RAD partner.*

Software

SUN Solaris Ver. 10, Nov 2006 or later

Note*: The option to include Solaris 64-Bit Support should be selected during Solaris installation.*

CDE 1.4 or higher

If installing with Informix database: HP OpenView NNM Version 7.5.1 is required.

SUPPORTED PRODUCTS

Gmux-2000, IPmux-1E, IPmux-24, IPmux-216

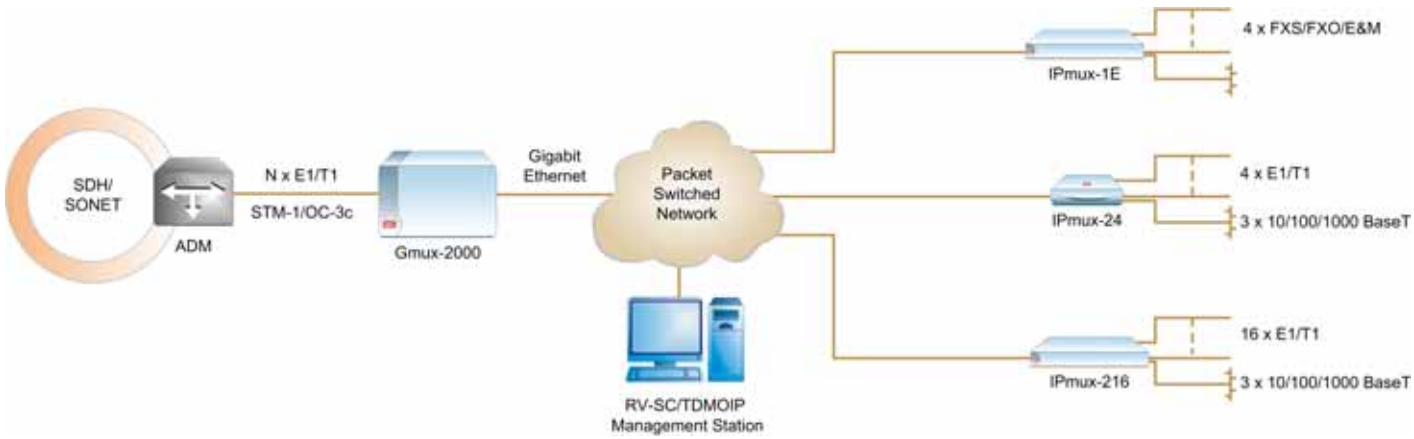

Figure 1. RV-SC/TDMOIP - Managing Pseudowire Application

Data Sheet

RV-SC/TDMOIP

Network Management System for Pseudowire Applications

Ordering

RV-SC/TDMOIP/#/@

Legend

Operating system:
- **PC** PC-based system
- **GEN** All systems (PC and Unix)

@ Installation type (optional):
- **DEMO** 60-day, fully functional evaluation version
- **UPG** Upgrade of an existing installation

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