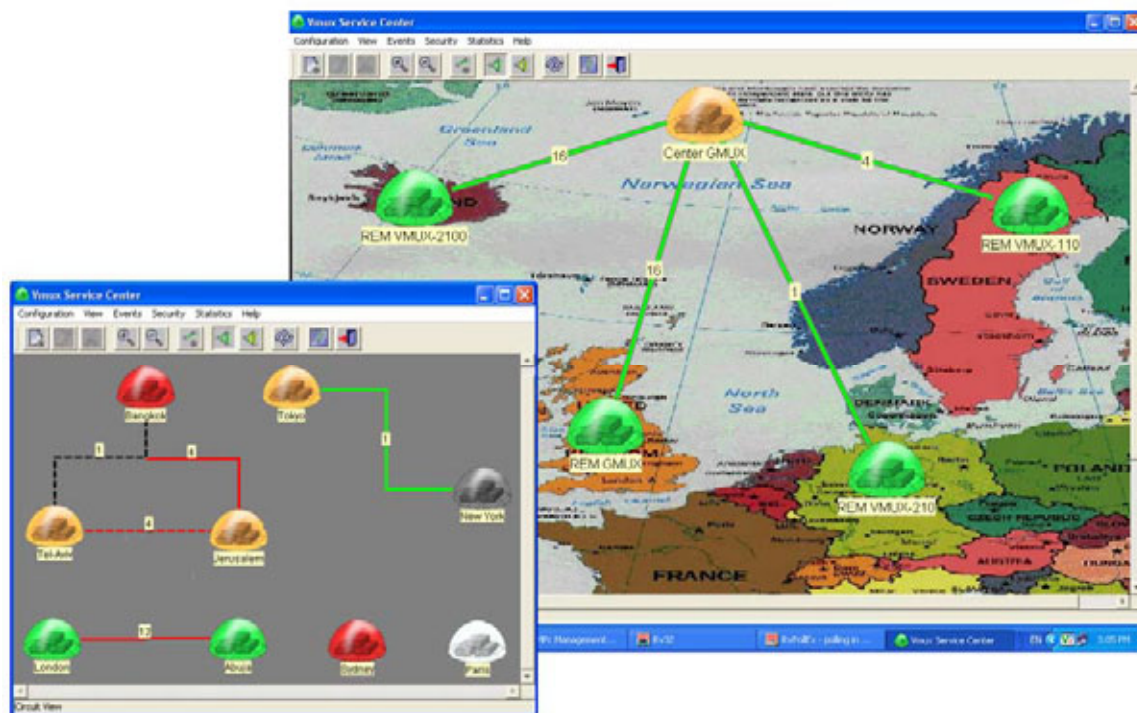# RADview-SC/Vmux

Network Management System for Voice Trunking Applications

Network management system for Vmux Voice Trunking Gateways

- Easy end-to-end provisioning and monitoring of voice trunking applications
- Full view of network topology maps
- Real-time device and circuit status
- Displays performance monitoring counters and bandwidth measurements
- Detailed inventory management
- PC-based and Unix-based for greater flexibility

RADVIEW
Complex Networks Managed Smartly

RAD
data communications
The Access Company

RADview-SC/Vmux is a powerful SNMP network management application that runs either on the HP OpenView Network Node Manager (NNM) or on SNMPc. These multivendor management platforms enable simple integration with other vendors' management applications. The platforms provide a powerful tool for configuration, performance and fault management of compressed voice applications over E1/T1 or n x 64 TDM-based, or IP-based networks.

RADview-SC/Vmux can manage a large number of network elements, limited only by the resources of the management station.

Using RADview, you can define nets, plan connections between SC-Vmux units within a given net, and configure the nets to adapt their performance to current conditions. You can create map-hierarchies, by defining the related agents and the communication links between them.

RADview-SC/Vmux maintains its own database to support sanity check algorithms and enforce integrity among involved network components. The reliability of the integrity depends partially upon the accuracy of the information provided by the network manager.

RADview-SC/Vmux provides monitoring and management functions that extend from the network (net) level down to the level of individual ports. Management functions include hardware/software configuration, monitoring alarms, initiating tests, and monitoring performance.

The NMS GUI main function is to enable you to perform all the main operations, via a user-friendly interface.

Vmux devices enable the extension of voice services over TDM or IP networks, with devices residing either at the customer's premises and/or at the carrier's site.

RADview-SC/Vmux manages the Vmux product family and provides the carrier with monitoring and control capabilities across the TDM or IP network.

Standard MIBs, as well as RAD's private MIBs, are supported.

Vmux units support inband management.

RADview-SC/Vmux includes:

- Vmux **configuration** management
- End-to-end TDMoIP **performance** measurements of connectivity, delay, error rate and packet loss rate used by the carrier for QoS calculations.
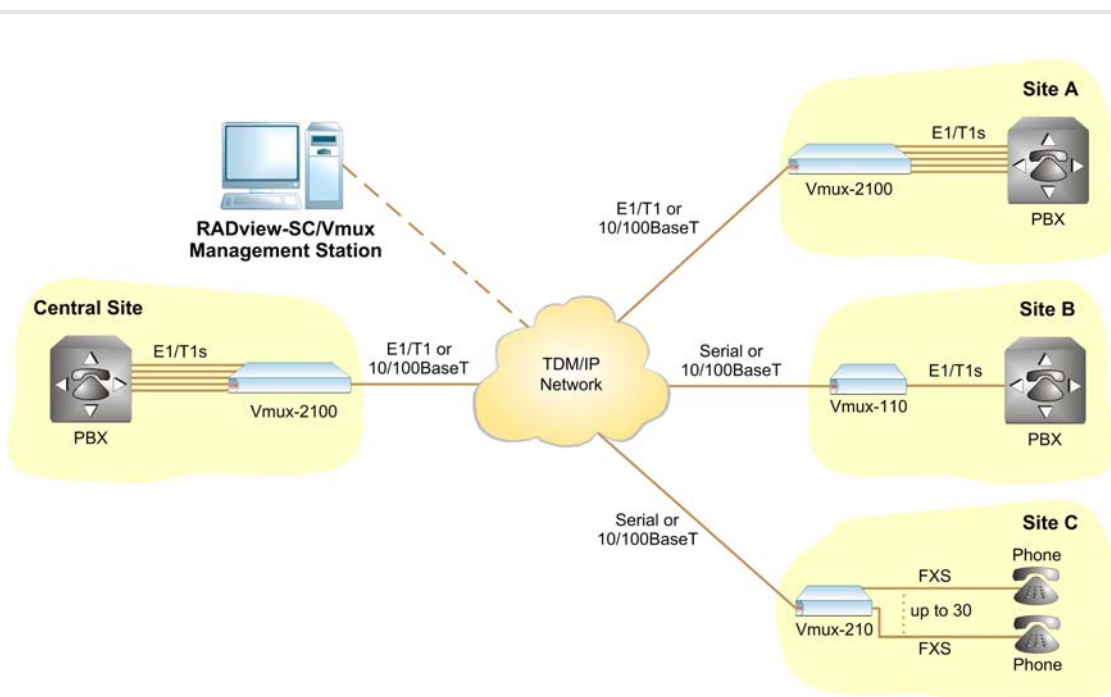

Figure 1. Provisioning of Point-to-Point or Point-to-Multipoint Applications over TDM and IP

Specifications

PC-BASED SYSTEM

Minimum Hardware Requirements

For networks consisting of up to 200 managed elements:

- Pentium-4 3.0GHZ or higher or newer architecture

- 2GB RAM or higher (see *Notes*)

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

- NTFS-formatted partition

- DVD-ROM or DVD-RW

- 1024x768 display resolution or higher

Notes: Installing RADview on a stronger CPU based PC, equipped with more RAM, will result in better performance.
RADview-EMS Client recommendations are the same as above.
For larger networks, consisting of more than 200 managed elements, contact your RAD sales representative.

Minimum Software Requirements

- Microsoft Windows XP Service Pack 2 or later Or Microsoft Windows2003 Service Pack 2 or later without Terminal services enabled.

- Windows XP display settings set to Normal Fonts

- Windows Default Input language set to English (FAQ-6058)

- The following windows services should be installed and configured to run automatically (FAQ-3160):

  - SNMP service

  - SNMP trap service

  - Server service

Note: RADview-SC/Vmux can also operate in standalone mode without SNMPc.

UNIX-BASED SYSTEM

Minimum Hardware Requirements

- For networks consisting of up to 300 managed elements:

  - SUN Fire T2000 Server with XVR-300 graphics card

  - 2 GB RAM or higher

- Swap file should be twice RAM size

- Hard disk with at least 2 GB free disk space under /opt partition

- Hard disk with at least 4 GB of free space for Oracle database under /opt/oracle or 600 MB free disk space for Informix database (under any partition)

- DVD-ROM or DVD-RW

- 1152x900 display resolution or higher with depth 24 (FAQ-4134)

For each 4 additional simultaneous users via X-session add 1 GB RAM and 1 CPU. (When using EMS client on a different workstation there is no need to add RAM or CPU).

For each additional simultaneous open zoom application add 75MB RAM (via X-session only).

Note:. For larger networks, consisting of more than 300 managed elements, contact your RAD sales representative.

Minimum Software Requirements

Solaris Ver. 10, Nov 2006 or later

During Solaris installation, verify that the option "Select to Include Solaris 64 Bit Support" is checked.

CDE 1.4 or higher

Optional HP OpenView NNM 7.51 (according to RADview compatibility)

For up to 250 nodes, HPOV NNM Starter Edition is enough. For more than 250 nodes, the appropriate HPOV license must also be purchased. (When running with HP OpenView, only Informix DB can be used)

Note: All the requirements apply to a single-user scenario. If several users use RADview simultaneously, additional resources may be required to maintain satisfactory performance as indicated above.

SUPPORTED PRODUCTS

Vmux-2100, Vmux-2120 (for Voice Trunking applications only), Vmux-110, Vmux-210, Gmux-2000 (for Voice Trunking applications only)

Ordering

RV-SC-VMUX/&/#

Legend

& Operating system type:

   PC PC-based

   UNIX Unix-based

Optional installation type:

   UPG Upgrade of an existing installation

   DEMO Time-limited demo version

RAD
data communications
The Access Company