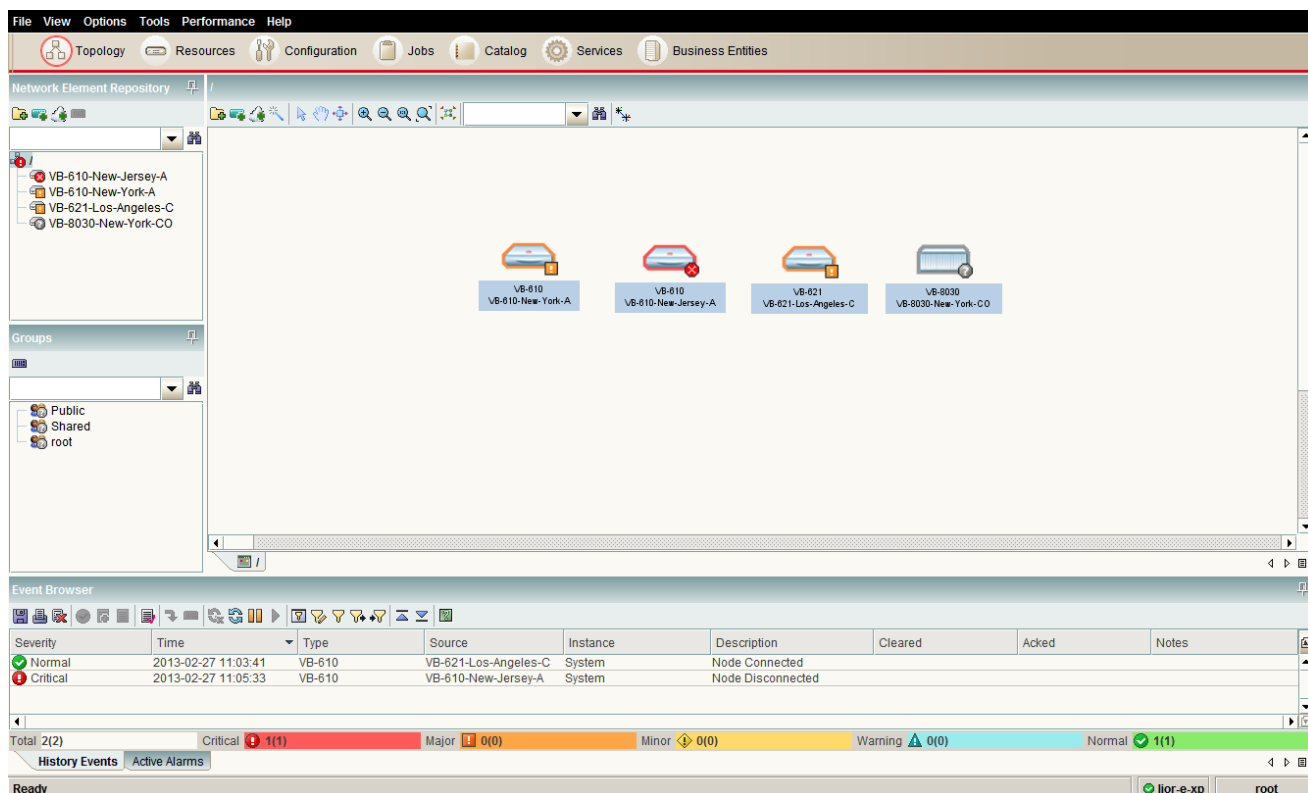


RealVIEW-EMS

Carrier-Class Network Management System



Multi-platform
carrier-class
management
system

- Client/server architecture for flexible management deployment
- Highly scalable for growing networks, with smart configuration and provisioning tools for easy network expansion
- Advanced FCAPS functionality
- Fully compliant with TMN standards
- Interoperable with leading OSS programs, and integrates with third-party NMS and umbrella system
- Java-based, multi-platform system (Windows and Unix) for greater flexibility



RealVIEW-EMS is a Java-based, carrier-class network management system for deployment in Windows and Unix environments. The system features an embedded Oracle/Informix database, and manages Vibicom Access portfolios. In addition, the product provides third-party device monitoring to assure network reliability.

RealVIEW-EMS conforms to the ITU-T Telecommunication Management Network (TMN) model with end-to-end visibility and standard-based interoperability. The system is scalable, providing solutions for small installations as well as growing networks.

RealVIEW-EMS

Carrier-Class Network Management System

DISTRIBUTED SYSTEM ARCHITECTURE

RealVIEW-EMS is based on distributed client-server architecture, which optimizes the use of network resources. Load sharing among master and slave servers maximizes use of infrastructure and enables flexible distribution of management tasks, transparent to the user.

OSS INTEGRATION

As a modular management system, RealVIEW-EMS is equipped with a number of standard northbound interfaces for easy integration with OSS and umbrella systems.

Supporting various APIs, such as CORBA, MTOSI, SNMP, and CSV, RealVIEW-EMS smoothly interacts with higher management levels to communicate essential network information to service, operations and business management functions.

By serving as a mediation layer between the various network elements (NEs) and the umbrella system, RealVIEW-EMS minimizes the integration costs associated with new NE additions.

BUSINESS CONTINUITY

In order to assure high system availability for disaster recovery, RealVIEW-EMS periodically backs data up on the master NMS station utilizing the RealVIEW-EMS Backup/Restore function, and transfers the data to the slave NMS station without affecting service.

FAULT MANAGEMENT

RealVIEW-EMS supports advanced fault detection, displaying a clear analysis of the probable causes of faults and suggested corrective measures. It allows the distribution of alarm messages to other managers in the network. In addition, users can configure sounds that play when specific alarms/events are triggered.

CONFIGURATION MANAGEMENT

New software, configurations and licenses can be distributed and uploaded by devices across the network. The system tracks version changes and keeps a software configuration history for backup and recovery. Easy management and provisioning is provided by a user-friendly point-and-click GUI (shelf-view application) with a realistic representation of the devices.

ADMINISTRATION

The system manages individual and group user accounts and passwords, generating network usage reports to monitor user activities.

PERFORMANCE MANAGEMENT

RealVIEW-EMS supports real-time monitoring of QoS and CoS, producing real-time statistics and interval statistics.

You can collect full device statistics in compressed format, minimizing bandwidth use by management traffic. You can also export CSV ASCII files to OSS or third-party management systems.

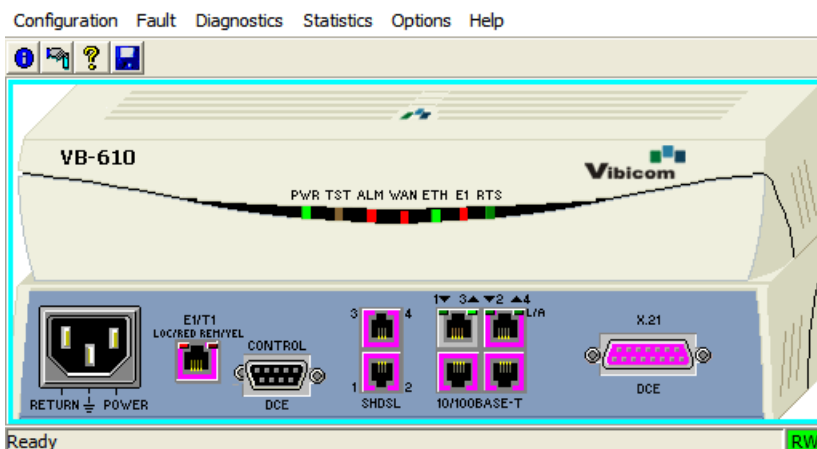


Figure 1. VB-610 Shelf View

RealVIEW-EMS

Carrier-Class Network Management System

ZERO TOUCH CONFIGURATION

This enables users to automatically discover network elements and perform the tasks listed below according to user-defined rules:

- Uploading initial software and configurations
- Executing CLI scripts
- Handling the replacement of units in case of failure.

SECURITY MANAGEMENT

An unlimited number of security profiles and groups can be created with the security management console. Its advanced functions include tracking of user activities in the network and designating complex security access rights to the parameter level.

Security features include:

- SSH (secure shell)
- Web-based SSL (secure socket layer)
- SNMPv3

Specifications

MINIMUM HARDWARE REQUIREMENTS

CPU: Core-i3-2xxx 2.1 GHz or higher (x=0-9)

RAM: 4 GB

Hard drive with NTFS-formatted partition and at least 40 GB free disk space

Note: Additional disk space may be required for OAM statistics collection.

Color monitor (17-inch minimum), supporting 1280 × 1024 resolution or higher

DVD drive

Note: The above requirements refer to single-user installations managing up to 200 network elements.

For larger networks, please consult your Vibicom partner.

MINIMUM SOFTWARE REQUIREMENTS

Microsoft Windows 7 (32 or 64-bit) Professional Edition, or Microsoft Windows Server 2008 R2 (64-bit) Standard Edition

Windows default input language set to English

Mozilla Firefox installed as default web browser (required for Web-based access to devices)

Adobe Reader, latest version

TFTP/SFTP Server, TFTP Server required for collecting OAM statistics

TFTP/SFTP (enterprise), TFTP Server required for the Jobs and Zero Touch utilities

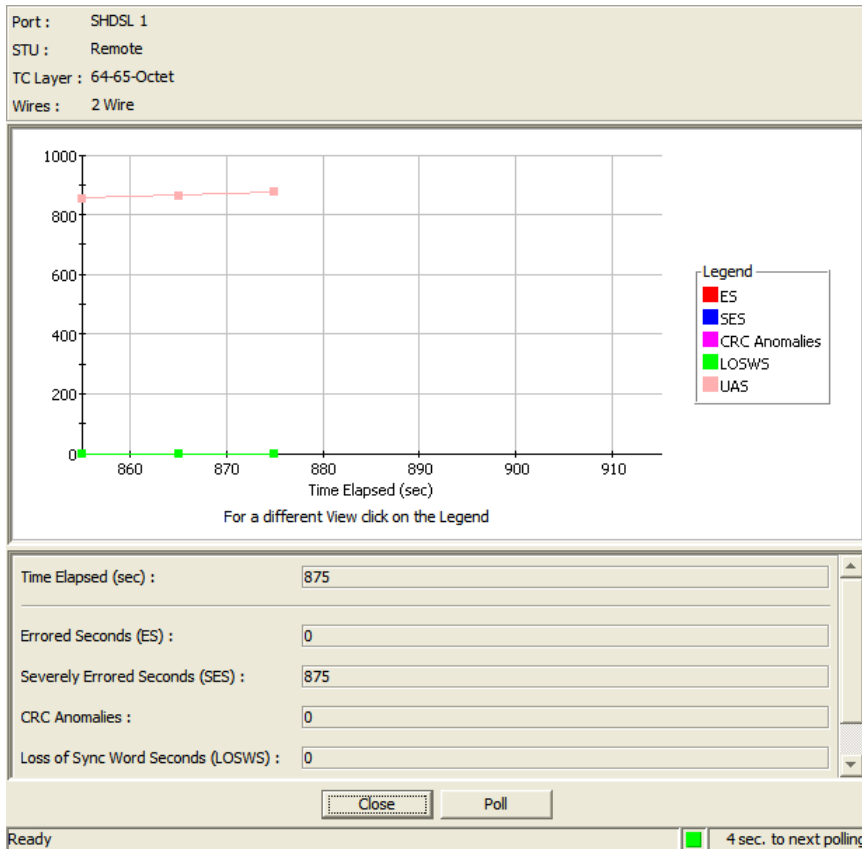


Figure 2. VB-610 SHDSL Statistics

RealVIEW-EMS

Carrier-Class Network Management System

Ordering

REALVIEW-EMS / WIN / PACK1 FOR WINDOWS

The RealVIEW-EMS package includes a license for five simultaneous users, as well as 300/400 ENW license points.

Additional licenses can be ordered:

REALV-LIC/@/!

@ License type

EW Equivalent Node Weight
(each Vibicom device is assigned an EW)

1-Client Simultaneous client

! Redundancy

(default = no redundancy)

R Redundant license that can be installed on main and backup servers



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