ALCATEL-LUCENT OMNIVISTA 8770
NETWORK MANAGEMENT SYSTEM
A SINGLE MANAGEMENT INTERFACE ACROSS SYSTEMS AND DEVICES
Today’s enterprises are facing the challenges of voice, video and data convergence along with rapidly growing traffic. As a result, network management has increased in importance. Telecommunications managers have a pressing need for a network management tool that can help them reduce operational costs while providing optimized network availability and security, and addressing multimedia and convergence challenges.

The Alcatel-Lucent OmniVista™ 8770 Network Management System (NMS) gives administrators a unified view of the OpenTouch and OmniPCX communication network, including next-generation devices and applications. It features centralized management, bulk operations, voice over IP performance monitoring, simplicity, and scalability, and adheres to the essential network management functions of the FCAPS model (fault, configuration, accounting, performance, security).

**KEY FEATURES**

- All-in-one solution
- Unified User Management
- User and system configuration
- VoIP performance monitoring
- Alarms and topology modules
- Multi-carrier and multi-currencies accounting
- Web company directory

**KEY BENEFITS**

- Reduced operating expenses by up to 60 percent
- Improved internal customer service and satisfaction
- Optimized use of experts’ time
- Better availability, visibility and control of communications network
- Ability to pre-empt potential issues and speed up problem resolution

**INTEGRATED APPLICATION SUITE**

Source: “Changing the Conversation in the Workplace” - Alcatel-Lucent study

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TIME OPTIMIZATION

UNIFIED USER MANAGEMENT

Network administrators typically spend up to 80 percent of their time dealing with users’ moves, adds and changes (MAC). The OmniVista 8770 NMS Unified User Management module allows administrators to provision users, associate their SIP devices and activate services through one unified interface with a reduced set of parameters. Using profiles facilitates the creation of groups of users and enables the application of rules. Change management tracks operations history for improved security. Scheduled backups and updates minimize maintenance.

KEY FEATURES

• Quick user provisioning with profiles
• SIP devices deployment and user association
• Mass provisioning

KEY BENEFITS

• Reduced repetitive processes
• Fewer data inconsistencies
• Decreased deployment time

COST SAVINGS

ACCOUNTING

The multi-carrier, multi-currency OmniVista 8770 NMS Accounting module provides a consolidated view of telecommunications expenses for internal re-invoicing and trend analysis. Hit lists and detailed views provide specific cost tracking in all formats (html, txt, xml and pdf). Call monitoring displays traffic peaks and sends notification in the event of threshold crossing.

KEY FEATURES

• A consolidated view of telecommunications expenses
• Delivered with a set of predefined reports and the possibility to create your own reports
• Call monitoring

KEY BENEFITS

• Reduced telecommunications costs by tracking abuses and security breaches
• Internal re-invoicing of telecommunications costs
• Automated report distribution by mail
PERFORMANCE

VOICE OVER IP PERFORMANCE MONITORING

The OmniVista 8770 NMS Performance reports provides voice over IP performance monitoring through measurement of Key Performance Indicators (KPIs) such as packet loss and delay for voice quality. Users are notified of threshold crossing.

KEY FEATURES
- VoIP performance monitoring
- Measurement of KPIs
- Notification of threshold crossing

KEY BENEFITS
- Increased visibility and control of your communications environment
- View of resource availability
- Ability to analyze trends by tracking metrics

TOPOLOGY ANDALARMS

The OmniVista 8770 NMS Topology and Alarms modules provide real-time visibility of network performance, ranging from overviews to detailed element views that include alarms indicators. The appropriate persons are immediately notified of urgent situations on their desktop.

KEY FEATURES
- Overviews of network performance
- Detailed element views
- Notifications of urgent situations

KEY BENEFITS
- Ability to pre-empt potential network problems
- Faster problem resolution
- Proactive maintenance
COMMUNICATION ENRICHMENT

WEB COMPANY DIRECTORY

A company’s success depends on its people and their easy interactions. With the OmniVista 8770 NMS Web Company Directory, you can use a web browser to access corporate directory information, and then place a call by simply clicking on the displayed phone number. Automatic updates through internal and external directories such as Active Directory minimize operational costs and avoid inconsistencies.

KEY FEATURES
- Access to corporate directory information through a web browser
- Simple calling with a single click
- Automatic updates through internal and external directories

KEY BENEFITS
- Improved internal communications
- Up-to-date, accurate information for users
- Easy customization through skins

SECURITY

The OmniVista 8770 NMS Security module provides a high degree of security through its embedded security agents, automatic authentication and encryption, and data recovery process. The capability to define role-based permissions tightens the security of voice operations and reduces exposure to unauthorized access and changes. The Public Key Infrastructure (PKI) enables secured SIP deployments for application servers by providing trusted certificates.

KEY FEATURES
- Role-based and domain management
- Active and passive redundancy
- PKI

KEY BENEFITS
- Flexible centralized and/or local management
- Disaster recovery and high-availability redundancy solutions
- Embedded PKI avoids costs of multiple PKI vendors
OMNIVISTA 8770 MANAGED COMMUNICATION SERVICES EDITION

The Alcatel-Lucent OmniVista™ 8770 Network Management System – MCS Edition enables service providers to centrally manage the Alcatel-Lucent OmniPCX™ Enterprise and Office Communication Servers and the Alcatel-Lucent OpenTouch™ family installed base in an outsourced service environment like OpenTouch™ Enterprise Cloud. This edition enables additional enhanced services for customers, either included in maintenance contracts (such as proactive maintenance, which helps your customer minimize system downtime) or as supplementary services (such as accounting or greeting quality analysis reports).

KEY FEATURES
- Alarm monitoring and resolution
- Backups, Upgrades
- User MAC
- Performance and accounting reports
- Asset management

KEY BENEFITS
- Lower maintenance cost through centralized remote management
- Enhance reactivity due to customers’ equipment visibility
- Increase recurrent service revenue with an enlarged portfolio