

Alcatel-Lucent OmniVista™ 4760

Network Management System



Network Management Systems

Telecom managers need flexible network management tools to deal with the challenge of staying current with today's network and telecommunication advances.

Network manageability has recently increased in importance as telecom managers are faced with supporting converged voice/video/data networks and rapidly growing network traffic. Network management applications must address security and convergence issues while providing real-time monitoring and cost savings. They must also continue to support existing services with improved efficiency and service level agreements (SLAs).



“The solution is efficient, flexible, well-designed and reduces workload. This leads to significant time savings in our daily processes.”

Thomas Markovic
Director of engineering at the Park Hyatt



Cost Savings

Time
Optimization



Performance

Communication
Enrichment

Alcatel-Lucent OmniVista 4760 Network Management System (NMS)

OmniVista 4760 is an application suite for local or remote management of the Alcatel-Lucent Enterprise products and applications.

It is designed to help telecom managers and administrators in their day-to-day tasks and aid them in making strategic decisions in their converged networks through centralized monitoring.

Its web-based architecture simplifies the network administration and maintenance and helps lower the organization's total cost of ownership.

OmniVista 4760 gives you:

Time Optimization

Cost Savings

Performance

Communication Enrichment



OmniVista 4760:

- is an important component for successful voice/data convergence.
- is the most powerful and up to date solution for managing Alcatel-Lucent OmniPCX™ Communication Server networks.
- delivers the best value in the industry by providing simplified management that creates a secure, reliable network.
- reduces overall administrative costs, and minimizes the maintenance required, resulting in an improved return on investment.
- provides better availability by anticipating potential risks and reacting to important events resulting in less downtime and improved productivity.
- is easy to integrate into the existing network for immediate deployment and simplification of data sharing.

**More than 25,000
OmniVista 4760 systems sold!**

Alcatel-Lucent OmniVista 4760 NMS



Key elements to remember

Key Features _____

- **Centralized administration** for converged enterprise networks
- **Tailored, animated topology maps** to monitor systems and applications
- **Direct access to alarms** with real-time notification
- **User-friendly configuration** for OmniPCX CS and enterprise applications
- **Automatic creation and notification of accounting and performance reports**
- **VoIP convergence** through VoIP performance
- **Web-based company directory** with click-to-call functionality
- **Security:** role-based management, encryption and redundancy solutions

Key Benefits _____

- **Centralized, integrated management** enabling **reduced operation time**
- **Learning curve and expertise optimized** due to an intuitive graphical web interface
- **Pre-empt potential network problems** through real-time visibility
- **Quick and easy deployment** of OmniPCX through bulk provisioning and software version management
- **Minimize time to intervene (TTI) and time to resolve (TTR)** through real time alarm notification
- **Contribute to service business** through Service Level Agreements (SLA) management
- **Development of internal communication** through a web directory.





Time Optimization

Configuration

Do you need to reduce your enterprise network's total cost of ownership (TCO) and optimize your experts' time?

The OmniVista 4760 Configuration application provides **flexible, user-friendly, centralized and remote management** of the OmniPCX Communication Servers. It minimizes the time network administrators spend on **moves, adds, and changes (MAC)**, which used to take up as much as 80% of their schedule. Moreover, using profiles facilitates the creation of groups of users and enables the application of rules directly to a set of OmniPCX CS objects in one operation. Software download provides an automatic update of the OmniPCX CS.

Change management tracks operations history for security enhancement and service level agreements (SLA)



Key Features:

- Configuration via a user friendly graphical interface
- Bulk MAC
- Graphical views of phones
- SIP device management
- Automatic OmniPCX maintenance

Key Benefits:

- Save operation time
- Simplify maintenance
- Optimize expert's time
- Reduce technicians' time spent in the field

Topology & Alarms

Preempt your network performance with real-time network visibility! Topology and Alarm applications allow you to maximize uptime by pro-actively tracking faults.

■ **Topology maps** show the network devices such as OmniPCX CS, racks, and boards as well as logical links between CS and OmniPCX Enterprise IP architecture.

If a problem occurs, the administrator clicks on the object and accesses the faulty element directly.

The Topology application provides views ranging from a birds-eye perspective to a detailed one of a faulty board.

■ The **Alarms** application provides a centralized system for monitoring alarms and events coming from Alcatel-Lucent Enterprise Solutions. Alarms are displayed in real time according to filters. When an alarm occurs an automatic email can be sent. SNMP agents allow integration into a global enterprise management platform.



Key Features:

- Customized and animated topology maps
- Systems status monitoring
- Alarms management
- Direct access to device configuration
- Real time notification
- Integration into SNMP Standard Platforms for converged multi-vendor alarm monitoring

Key Benefits:

- Preempts potential network problems
- Speeds up problem resolution.



Cost Savings

Accounting

Reduce your company's telecommunication costs!

The Accounting application generates reports that provide a **global, summarized view of telecom expenses** for internal re-invoicing. Periodic reports allow **trend analysis**. Hit lists and detailed reports provide specific cost tracking to **reduce the abuses**.

The **call monitoring** feature provides supervision of telecom expenses on a specific resource. It monitors the traffic peaks, sends automatic emails and controls DISA use to detect any security breaches.

Key Features:

- Consolidated telecommunication costs
- Automatic organization update for cost centers, users, etc.
- Multi-carrier environment
- Simulation facilities
- Call monitoring feature

Key Benefits:

- Reduces telecommunication costs
- Creates invoices for better follow-up on expenses
- Simulations to help choose the carrier that suits your company's needs
- Simplifies analysis and planning



The **Reporter application** automatically creates and generates accounting, performance and alarm reports, contributing to the cost savings.

Reports can be:

- Predefined or personalized
- Generated automatically in a variety of formats (Excel, .PDF, .html, .TXT) including 3D graphs
- Accessible through a web browser
- Sent automatically and periodically by email to managers



Performance

Network performance

Protect your network investment

As your organization grows, the more your communication system needs to be monitored. Network managers expect their NMS to allow them to:

- Measure response time
- Optimize capacity
- Monitor real time call server performance
- Optimize wireless networks infrastructures
- Track the quality of telephone service

OmniVista 4760 Performance application analyzes the **quality of service** delivered by a feature, the network architecture, or even a private wireless infrastructure.



Key Features:

- Monitor your quality of service through response time measurement
- Wireless performance analysis
- Capacity planning through trunk occupancy rate

Key Benefits:

- Help forecast telecommunication infrastructure advancements
- Enhance greetings quality of the company
- Control and increase attendants' performance
- Optimize OmniPCX Network

VoIP Performance

How do you monitor your network's VoIP performance? Can your customers always hear properly during their phone calls?

The **VoIP performance** application supports the integration of voice in IP infrastructures by continuously monitoring, measuring and optimizing performance.

Its **long term trend reporting** capability helps the administrator with VoIP infrastructure provisioning.

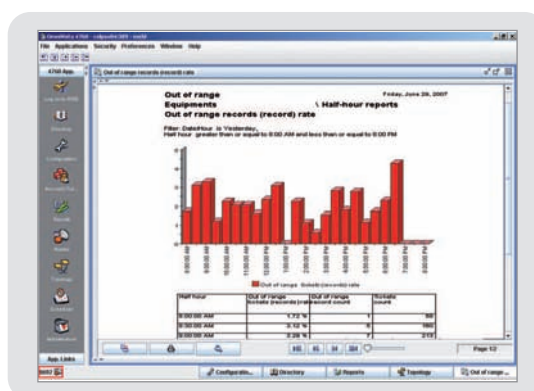
- **Voice over IP volume tracking** allows proactive VoIP traffic management and fine-tuning of network capacity,
- By monitoring **VoIP call quality**, the network administrator is able to anticipate diminished quality of service (QoS) and adjust the infrastructure before a problem occurs.

Key Features:

- Total visibility and complete control of VoIP performance
- Tracking VoIP calls in terms of volume and quality
- Centrally managed VoIP performance

Key Benefits:

- Ability to measure whether a network satisfies a customer's needs
- Facilitates integration of voice in IP infrastructures by monitoring VoIP performance
- VoIP convergence enabler



Communication Enrichment

OmniVista 4760 Web Directory enhances internal communication

Because a company's success depends on its people, a **corporate directory** becomes a key success factor for efficient internal communications.

The directory application included in the OmniVista 4760 is designed to address a converged infrastructure as well as provide information on all desktop phones. It works with the primary enterprise directories as part of a **meta directory strategy** that is based on the LDAP standard. Any device with a Web browser is now able to access the directory information through a user-friendly interface. What's more, any OmniPCX Enterprise user can **place a call by simply clicking** on the displayed phone number.

The information can be shared with other directories such as Microsoft Active Directory®.

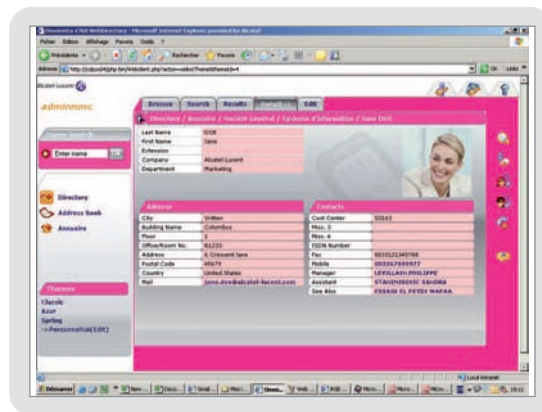
The **system directory** provides information on the OmniPCX devices for third party applications such as asset management.

Key Features:

- Company directory with up to 200,000 entries
- Accessible from a web-browser
- Automatic synchronization with OmniPCX Enterprise CS
- Personal address book
- Click to call

Key Benefits:

- Facilitates internal communication
- User friendly interface
- Easy integration into the company Intranet through customized skins
- Reduced TCO through automatic updates between multiple directories



Security

A highly secure and reliable solution

OmniVista 4760 provides a high degree of security through its embedded security agents, its automatic authentication/encryption, and data recovery process.

- Support of **external centralized authentication**
- **Embedded login/password policy**
- **Role-based management**
- Different redundancy solutions for **disaster recovery** and **high availability**
- Protection against external and internal intrusions through **secure protocols** (SSH, SFTP, IPSec...) and **encryption**



Minimum Server Technical Requirements

Overall requirements:

- Internal or external DVD drive
- 128 MB of graphics memory
- 2 serial V24 (only for PPP remote connection)
- Network card (Ethernet 10/100 BaseT)
- Screen 17"
- OS: Windows XP® Professional, Windows 2003® Server Standard edition, Windows® Vista™

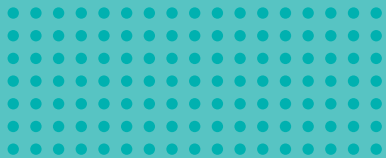
Medium range server (up to 5,000 users) requirements:

- Processor 2,4 GHz
- RAM 1 GB
- Hard Disk 40 GB

High range server (more than 5,000 users) requirements:

- Dual Processor or Dual Core 3 GHz
- RAM 2 GB
- Hard Disk 72 GB
- RAID 5, 512 MB cache memory min. for the controller

Applications



4286898 - EN - 02/2008 - Alcatel-Lucent Enterprise - 32, avenue Kléber
92707 Colombes - France - RCS Paris B 602 033 185.

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