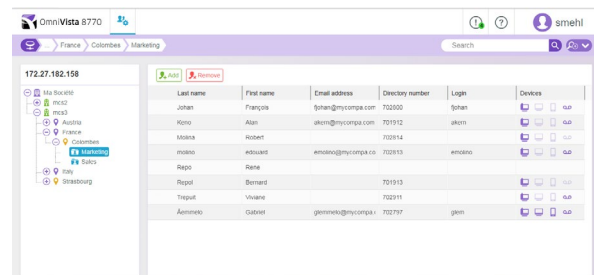# Alcatel-Lucent OmniVista 8770 Network Management System

The Alcatel-Lucent OmniVista® 8770 Network Management System (NMS) is an all-in-one graphical management application that offers a unified view of your ALE communication network. It's simple to use, configure and operate from a single interface. Moreover, it automates operations by synchronizing with Microsoft Active Directory.

Communications are critical for your business. The OmniVista 8770 NMS helps you stay in control and have visibility on SLAs. It follows the FCAPS model of network management which includes instant alarm notifications, accounting reports and performance monitoring, all from a single comprehensive application suite.

Features	Benefits
New light web client for unified user management: Manage frequent users Move/Add/Change/Deletion (MACD), multidomain and right delegation. Get custom views. Manage one or several communication servers.	Productivity: Spend less time on basic user management and delegate user provisioning. Focus on high-value tasks instead.
Microsoft Active Directory (MSAD) synchronization: The communication servers and MSAD are automatically synchronized.	Quality improvement and cost saving: Automate processes to save time and prevent directory inconsistencies.
Automated remote system back-up and upgrade	Avoid configuration data loss and always get the latest release.
Alarm monitoring: Instant notification on communication system failures or quality alerts.	Network availability: Immediately notify the appropriate people when communication systems issue critical alarms.
Topology graphical views: See communication server network performance on a map	Durability: Pre-empt potential network issues, be proactive on maintenance.
Accounting reports including threshold monitoring and cost tracking. Automatic report generation and notification.	Cost control: Manage multi-carrier and multi-currency billing. Reduce telecommunications costs by tracking abuses. Provide internal re-invoicing. Accountability: Capacity planning.
Communications and voice-over-IP (VoIP) performance monitoring: Monitor the quality of communications including trunks, radio base stations, and attendants.	Control: Analyze usage and quality trends by tracking metrics. Ensure the communication infrastructure size corresponds to your business. Reports: Leverage reports to implement communication quality improvement initiatives.
APIs for alarms, VoIP performances tickets, accounting tickets and users provisioning	Integrate network management services with customer environment.

Alcatel·Lucent Enterprise

Technical specifications

Unified User Management[1]

- Quick user provisioning with profiles
- SIP devices deployment and user association
- Mass provisioning
- User configuration
- MS Active Directory synchronization and user provisioning
- Multidomains

Web company directory[1]

- Access to corporate directory information through a web browser
- Click-to-call
- Automatic updates through internal and external directories
- Access through standard LDAP V3 clients

System configuration

- Alcatel-Lucent OpenTouch Business Edition (BE), OpenTouch Multimedia Services (MS) and OpenTouch Message Center (MC)
- Alcatel-Lucent OmniPCX Enterprise Communication Server (CS)
- Alcatel-Lucent OXO Connect and OmniPCX Office RCE
- Graphical view of Alcatel-Lucent Smart DeskPhone, Premium DeskPhone, DeskPhone, DeskPhone 8 Series, DeskPhone 9 Series

Topology and alarms monitoring

- Notifications of urgent situations
- Topology maps

Accounting

- Multi-carrier and multi-currency accounting
- Consolidated view of telecommunications expenses
- Delivered with a set of predefined reports
- Possibility to create personalized reports

Performance monitoring

- Measurement of KPIs
- Notification of threshold crossing
- Attendants, trunks[1,2], base stations and VoIP communications[2] performances monitoring

APIs

- Proxy SNMP: Alarms
- Ticket collector: VoIP performances and accounting
- OpenAPI: User provisioning

Managed Communication Services Edition

- Automated emailing to lists of customers according to their preferences
- Consolidated alarms monitoring
- Backups, upgrades
- User MAC (Moves, Adds and Changes)
- Performance and accounting
- Asset management

Start pack

- Unified management
- Accounting
- Alarms monitoring

Full pack

- Start pack features
- Performance monitoring
- Web company directory

Supported systems

- OmniPCX Enterprise CS from 6.0
- OmniPCX Office RCE from 5.1
- OXO Connect from R2
- OpenTouch BE, OpenTouch MS and OpenTouch MC from 1.3

Hardware requirements and OS support for server stations

- Medium range (up to 5000 users)
  - ¬ Dual core 2 GHz or higher
  - ¬ RAM: 6 GB RAM
  - ¬ Hard Disk: 120 GB
  - ¬ Windows 7 Pro 64 bits, SP1
  - ¬ Windows 8.0 and 8.1 Pro
  - ¬ Windows 10 Pro or Enterprise

- High range (more than 5000 users)
  - ¬ Quad core 2 GHz or higher
  - ¬ RAM: 8 GB
  - ¬ Hard Disk: 120 GB
  - ¬ Raid 5, 512 MB cache memory min.
  - ¬ Windows Server 2008 R2 Standard 64 bits SP1
  - ¬ Windows Server 2012 R2 Datacenter and Standard Edition
  - ¬ Windows Server 2016 Datacenter and Enterprise

Virtualization

- OmniVista 8770 NMS server
  - ¬ Virtual Machine VMware ESXi
  - ¬ Microsoft Hyper-V
- OmniVista 8770 NMS client
  - ¬ Citrix XenApp 7.6 server

Provisioning level

- Users managed on one server with Full Pack: 50,000 users
- Number of managed communication servers: 300

Security

- Active and passive redundancy
- Public Key Infrastructure (PKI)
- Role-based and domain management

MS Active Directory synchronization

- Windows Server 2008 R2
- Windows Server 2012 R2
- Windows Server 2016

Supported browsers for web Directory access

- MS Internet Explorer
- MS Edge
- Mozilla Firefox security
- Google Chrome

Supported browsers for users administration access (web client)

- Google Chrome

Languages

- English, French, German, Spanish, Portuguese, Italian, Polish, Slovakian, Chinese (SCH), Czech, Russian, Hungarian, Korean, Croatian, Traditional Chinese

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1 Not available for OXO Connect, OmniPCX Office RCE
2 Not available for OpenTouch BE, MS and MC

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