

Alcatel-Lucent OmniVista Mobility Manager

The Alcatel-Lucent OmniVista™ Mobility Manager provides a comprehensive suite of applications for planning, configuration, fault, performance management, reporting, RF visualization and Wi-Fi device location identification for the enterprise OmniAccess wireless network. It tightly integrates with other OmniAccess wireless system components such as wireless LAN switches and thin access points and represents a new category of network management applications that are optimized for managing network users and not just network devices. The user centric management model allows IT administrators to rapidly scope and visualize all objects related to any given network user in real time. It drastically cuts troubleshooting time ensuring fast time to repair and ensures a high-quality WLAN user experience.



APPLICATIONS

The Alcatel-Lucent OmniVista Mobility Manager consists of six integrated Java-based client-server applications: Dashboard, Monitor, Reports, Configuration, RF Live, and RF Locate.

The OmniVista Mobility Manager includes context sensitive on-line help capability and can be launched easily on any computer or workstation. Additionally, the Java client applications are auto-updated using the Java Web Start capability which eliminates the need to manage Java clients and servers independently.

FEATURES

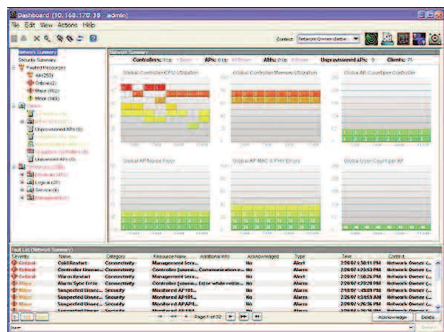
- User-centric data model
- Auto-discovery
- User configurable reports
- Versatile scheduling engine
- Powerful visualization
- Location API
- Saved searches
- Java™ Webstart UI

BENEFITS

- Rapid problem isolation and resolution.
- Auto-discovery of the OmniAccess wireless LAN infrastructure based on an IP address seed.
- Flexibility to create and visualize WLAN usage, availability and performance data by controllers and APs
- Run reports, locate stations, e-mail reports at scheduled intervals.
- Integrated fault, performance management, RF coverage and interference visualization.
- Enables third party applications to support innovative location-based services.
- Allows network administrators to save and re-use frequently used search patterns. Accelerates mean time to resolution
- On demand UI download provides "client anywhere" flexibility with performance advantages of a thick client.

The OmniVista Mobility Manager reduces total cost of ownership by automatically discovering and managing hundreds of wireless switches and thousands of access points (APs) and users simultaneously from a single network operations center. What sets the Mobility Manager apart is its centralized configuration management with client device tracking and rogue device identification. It also simplifies new deployment planning with an intuitive, seamless user interface that graphically displays RF coverage patterns. The Mobility Manager comes with a built-in location API that enables external systems to query the location of any WLAN device. The Mobility Manager software can be deployed on any PC platform (Linux or Windows 2003/XP) or optionally purchased as an enterprise class, hardened appliance.

Dashboard

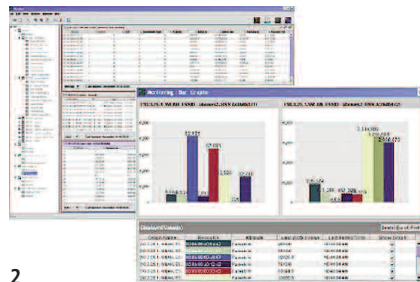


1

The OmniVista Mobility Manager's Dashboard application gives network administrators a summary view into the OmniAccess wireless LAN infrastructure (1). Major, minor and critical alarms for fault management with hierarchical rollup are displayed so that at a glance, a network

administrator can instantaneously assess the health of the WLAN infrastructure. With a single mouse click and using a robust flexible search and filter engine, a network administrator can rapidly zero in on a specific client or AP and determine its attributes. From the Dashboard, the administrator can launch monitoring, reporting or RF views for any resource and jump directly into context sensitive detailed views. This streamlines the problem isolation and resolution effort. Information such as user counts, encryption methods, applied firewall policies, controller modes, AP types/mode (Rogue, Valid, Interfering) can be viewed within the OmniVista Mobility Manager or can be exported for use in custom applications.

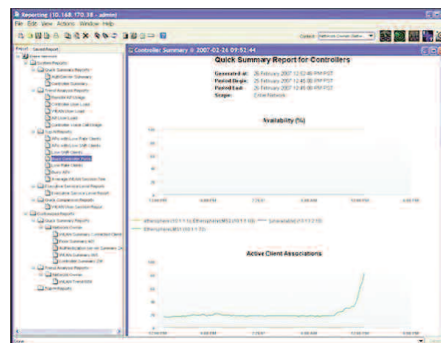
Monitor



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The OmniVista Mobility Manager's Monitor application provides real-time polling and display of the OmniAccess wireless LAN switch and controlled AP data via secure SNMPv3 (2). The live graphing capabilities of the Monitor application allows the network administrator to select any object and create a live graph for object attributes. Data can be exported for custom processing or used in third party applications.

Reports

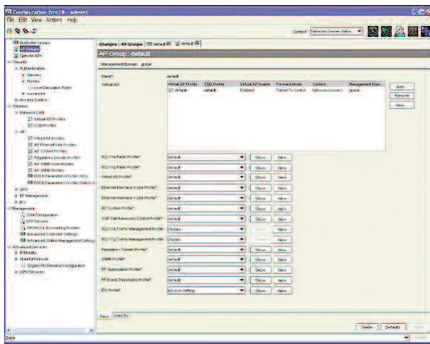


3

The OmniVista Mobility Manager's Reports application (3) allows network administrators to configure, schedule and run reports at configurable time intervals. Historical trend reports dating back to several weeks and months can be generated by leveraging WLAN usage and performance data, continually collected and stored within the OmniVista Mobility Manager. These reports can be reviewed by IT managers interested in WLAN network health, performance, usage and capacity planning. The flexible reporting framework supports pre-defined Top N, Trend and Summary reports, in addition to user configurable custom reports. Reports can be scheduled to run at periodic intervals and automatically e-mailed. The report output is in industry standard HTML and PDF format for compatibility with a wide variety of email clients.

Configure

The OmniVista Mobility Manager's Configuration management application (4) supports options to define user and role based access control policies. The Alcatel-Lucent OmniAccess WLAN infrastructure can be grouped into hierarchical



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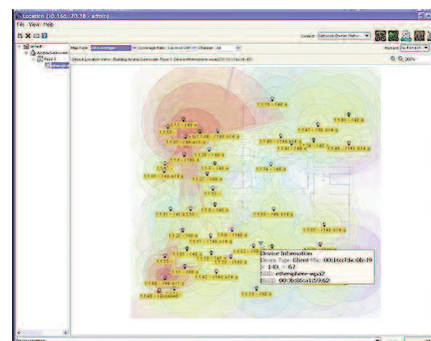
equipment contexts”, “managed domains”, and “controller” and “access point” groups. Configuration parameters are conveniently categorized into profiles. Profiles can be configured independently for WLAN authentication, access control, SSID, RF management, intrusion prevention, firewall policies, IP mobility, captive portal and other parameters. Controller and AP groups can be configured to reference profile objects. Profiles applicable at a global level can be separated from custom profiles applicable to equipment deployed at specific geographic locations.

RF Live

The OmniVista Mobility Manager’s RF Live application is used for pre-deployment planning and live visualization of the RF environment which is useful for analyzing interference patterns and coverage holes. RF parameters such as signal strength and interference are displayed in the context of floor plans with super-imposed coverage contours and colored heat maps. Since RF Live uses dynamic information delivered by the OmniAccess Adaptive Radio Management™ (ARM) algorithms, it provides a real time understanding of the evolving RF environment and eliminates the need for manual, post

deployment RF fingerprinting. RF Live also provides integrated tools for pre-deployment RF planning. AutoCAD drawing (.dwg files) import allows network administrators to easily load existing floor plans into the system to facilitate the planning process. Imported floor plans can be used to determine ideal access point placement based on coverage and capacity requirements. The planning process is straightforward since RF tuning is a dynamic, real-time process managed by the WLAN switches’ ARM feature. ARM capability eliminates the need for traditional heavy duty planning tools that require a detailed understanding of building materials or an expensive manual site survey.

RF Locate



5

The OmniVista Mobility Manager’s RF Locate application tracks and locates any Wi-Fi device within range of the OmniAccess wireless infrastructure (5). Using accurate deployment layouts and triangulation algorithms, the RF Locate application enables the network administrator to rapidly locate selected client devices. Devices that can be easily located include PDAs, rogue APs/clients, VoWLAN phones, laptops, and Wi-Fi asset management tags.

The Alcatel-Lucent OmniAccess offers an open XML/SOAP web services API to allow third party applications to access location data enabling sophisticated next generation location based applications.

ORDERING INFORMATION

The Alcatel-Lucent OmniVista Mobility Manager is available both as an integrated appliance and as a software application. The OV-MM-APL OmniVista Mobility Manager Appliance is a high performance system with pre-loaded software and initial support for 250 APs. The software version ships with support for 50 APs. Both versions can be upgraded in increments of 100 APs. Unlimited AP Expansion licenses are also available for both platforms.

PART NUMBER	DESCRIPTION
OV-MM-APL	OmniVista Mobility Manager Appliance. Includes one server (Dual Processor, RAID subsystem, dual power supply, 2GB RAM, 1U), 1 rackmount kit, 1 Ethernet cable, software restore disk, quick start installation guide, user guide, front bezel, 2 power cords. Also includes OmniVista Mobility Manager (pre-installed application) with a license certificate for 250 APs.
OV-MM-SW	OmniVista Mobility Manager Software. Includes one software distribution disk, quick start installation guide, and user guide. Also includes a license certificate for 50 APs. OmniVista Mobility Manager supports Linux RedHat.
OV-MM-SW-WIN	OmniVista Mobility Manager for Windows. Includes: Software distribution disk, quick start installation guide, user guide, license activation certificate for 50 APs. Requires 1U, 260W, Pentium 4 3.0GHZ 800FSB, 2GB DDRII RAM, 200GB SATA/SCSI HD.
OV-MM-100UG	OmniVista Mobility Manager Expansion License (100 AP). Each OV-MM-100UG license adds management support for 100 additional APs. Upgrades are cumulative and multiple licenses can be applied to the same system. Managed APs can be local or remote.
OV-MM-APL-UL	Unlimited AP Expansion License for OmniVista Mobility Manager Appliance. The OV-MM-APL-UL license provides unlimited AP support on a single OmniVista Mobility Manager Appliance. Managed APs can be local or remote.
OV-MM-SW-UL	Unlimited AP Expansion License for OmniVista Mobility Manager. The OV-MM-SW-UL license provides unlimited AP support on a single OmniVista Mobility Manager System. Managed APs can be local or remote.
OV-MM-LOC	RFID tag tracking and real time location tracking API license.

To learn more, contact your dedicated Alcatel-Lucent representative, authorized reseller, or sales agent. You can also visit our Web site at www.alcatel-lucent.com.

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