Carrier-class WiMAX™ Network Management System (NMS)

alvarion®
Your Open WiMAX Choice

AlvariStar

AlvariStar is a carrier-class NMS for mobile and fixed WiMAX networks. AlvariStar enables operators and service providers to effectively manage WiMAX networks while maximizing resource usage and minimizing operational expenses (OPEX). A key component in the Star management suite, AlvariStar is a reliable and cost-effective platform that provides a full range of network surveillance, maintenance, configuration and fault handling capabilities.

Field-proven, WiMAX Optimized

A field-proven management platform based on a robust JAVA application server, AlvariStar enables management of large-scale access networks and supports expansion using distributed and scalable server architecture. Delivering maximum flexibility without compromising on stability, AlvariStar keeps broadband network expansion costs under close control.

Comprehensive FCAPS to Maximize Performance

AlvariStar provides comprehensive Fault, Configuration, Performance and Security (FCAPS) management functionality — all accessed via a single, uniform GUI. Designed to address the needs of network technicians, regional and national Network Operations Centers (NOCs), AlvariStar enables fully functional network surveillance, monitoring and configuration.

Northbound Interface

AlvariStar offers standard-based northbound (NBI) application programming interfaces for higher level management system connectivity, such as OSS and BSS. This is accomplished via an abstraction level to ensure smooth and quick integration. In addition, AlvariStar supports Web Services (XML/SOAP) and SNMP northbound interfaces.

Batch and Bulk Operations

Particularly suited for bulk operations on large-scale deployments, AlvariStar supports batch configuration and maintenance tasks over multiple network elements. These features enable reduced OPEX by allowing service providers to remotely manage networks automatically. The task manager can be run manually or at scheduled intervals on any group, or groups, of network elements, with full report generation on task progress and completion.

AlvariStar Benefits

- Control costs with gradual grow-as-you-go configurations to fit to any size network
- Enable reduced OPEX and Total Cost of Ownership (TCO)
- Reduce costly repair personnel dispatch
- Simplify network maintenance
- Shorten time-to-market for new service introduction
- Smoothly integrate with OSS/BSS layers
- Increase subscriber loyalty and satisfaction
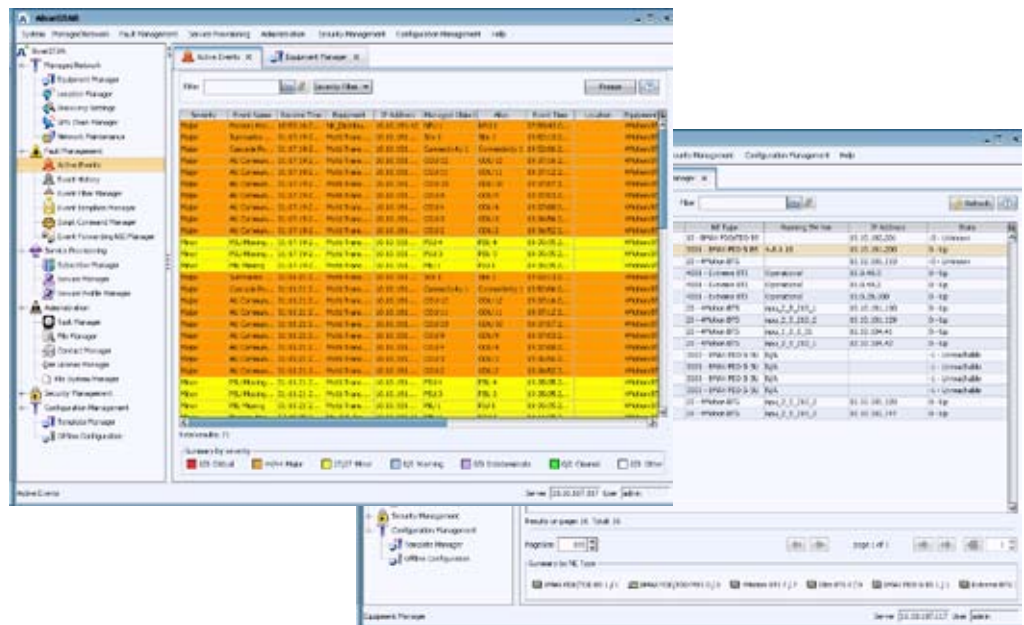
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Specifications

Scalability and Configuration

AlvariStar NMS is a cross-platform solution available in both Windows configuration for small to medium sized networks and Unix configuration for medium to large-scale networks. The AlvariStar high-availability Unix solution is designed to offer enhanced reliability, availability and performance for large carrier-scale networks.

Supported Alvarion WiMAX Portfolio

- BreezeMAX® Macro Indoor 16d

- BreezeMAX Macro Indoor 16e-ready

- BreezeMAX Macro Outdoor 16e

- BreezeMAX Extreme 16e

- BreezeACCESS®

Alvarion's Star management suite is a comprehensive, robust, carrier-grade family of products for ensuring the successful deployment of WiMAX services. The suite includes:

- AlvariStar: Carrier-class NMS for managing WiMAX base stations
- StarACS: Unified and standard system for managing a variety of WiMAX CPEs
- StarQuality: Performance monitoring system for ensuring QoS and network optimization
- StarReport: Powerful report generator for generating network inventory reports

About Alvarion

Alvarion (NASDAQ: ALVR) is the largest WiMAX pure-player with the most extensive WiMAX customer base and over 250 commercial deployments around the globe. Committed to growing the WiMAX market, the company offers solutions for a wide range of frequency bands supporting a variety of business cases. Through its OPEN WiMAX strategy, superior IP and OFDMA know-how, and proven ability to deploy end-to-end turnkey WiMAX projects, Alvarion is shaping the new wireless broadband experience.