IMPROVE BROADBAND NETWORKS WITH LTE SYSTEM MANAGEMENT

MOTOROLA SOLUTIONS

REDUCE COMPLEXITY. SPEED RESPONSE. MONITOR SECURITY.

Competing priorities, cumbersome administrative tasks, inadequate alerting, disjointed applications and difficult to implement policies all contribute to overburdened system administrators, increased possibility of mistakes and impair your operational efficiency. Manage the complexity of your broadband system and streamline the tasks of your system administrators with LTE System Management from Motorola Solutions.

A comprehensive approach combines different tasks and monitoring needs into one common web based interface for secure, quick and easy access including system health monitoring, provisioning, device and user management, system-wide policies and security.

GRAPHICAL USER INTERFACE

Minimize information overload with web portal based GUI and applications optimized to the needs to Public Safety Users. Accessible from a web browser, the dashboard provides navigation to network management applications and virtual machines. Portlets configure the dashboard for access and views to services including Fault Summary, Performance management, and LTE Service Status.

FAULT MANAGEMENT

The standards based fault management server provides real-time alarm and fault notification for the LTE system. Enable intelligent handling of network alarms such as link failures. Customize correlation rules specific to your system. A SDK enables the ability to integrate any element for alarm management that provides an SNMP interface.

PERFORMANCE MANAGEMENT

A robust set of 3GPP defined RAN and core Key Performance Indicator (KPI) reports are provided for Motorola Solutions provided equipment, along with reports for MSI applications. Live performance monitoring displays, including network and service performance information, allows the operator to have constant visibility into usage trends and overall performance of the network. The performance management server supports threshold alarms that can be triggered when KPI values exceed a critical level. For expanded flexibility, additional toolkits are available to retrieve performance measurements and create reports from third party SNMP elements.

NETWORK MONITOR

See the status of LTE networks at-a-glance. Network Monitor overlays a geographical map with real-time fault management and performance management data for eNodeBs and the LTE core within the GUI for a real-time view to the network health.

PROVISIONING

Speed the provisioning of services with built in workflows. Unified Provisioning Manager brings together the tasks to add/delete/manage users and universal integrated circuit cards (UICC) on various LTE network elements. Applications, including secure VoIP, Intelligent Middleware Services, and WAVE 7000 Broadband Push-To-Talk (PTT) are also provisioned within the user friendly GUI. Add further flexibility with the available bulk operations and API.

BACKUP AND RESTORE

Backup and Restore protects critical data on the LTE network from loss in the event of a disaster or a malfunction with network appliances and applications. The backup function provides a unified, network wide method to routinely update and maintain data for the entire Motorola Solutions provided LTE system. Bulk offload capability (i.e. network backup, DAS, external hard drive) facilitates off-site storage. In case of a disaster or a fault, the restore function repopulates key data with no or minimal disruption to the LTE network.

SECURITY AND LOGGING

Collect and analyze security events and logs for the core and radio access network (RAN) elements of the LTE system. Security Correlation centralizes log management for collecting and analyzing security events. Received data is automatically cataloged and categorized while processed and filtered messages are continuously monitored and filtered by correlation functions. Real-time actions including alerts, ticket generation, report or corrective actions can be set to trigger when a pre-configured match pattern is detected. The reporting facility generates reports in a variety of formats and inserts data into an ODBC-compliant database.

SYSTEM-WIDE POLICIES

Ensure individual agencies only have access to the user and subscriber records you specify. Database partitioning ensures provisioning information is segmented and viewable only to specified agency users. Role-based access control is managed by an active directory for granular levels of system access to the users and roles you designate. Applications are available to all operator roles and certain administrative tasks require elevated access privileges adding additional levels of access control.

UPGRADE

The upgrade solution has the following benefits

- Zero downtime for critical services for planned fail-overs during upgrade and unplanned fail-overs.
- Minimum disruption for non-critical services for planned fail-overs during upgrade and unplanned fail-overs.
- High availability during upgrade
- Fast and Cost Effective
- Automated and centralized.

LTE SYSTEM MANAGEMENT FROM MOTOROLA SOLUTIONS

Our world becomes more complex with every passing moment. Community expectations are rising and personnel safety is an ever present concern. Real-time information can make all the difference in achieving successful outcomes. Improve the efficiency and performance of your LTE Broadband network and devices with LTE System Management from Motorola Solutions.

Add the other tools you need to help get the job done quickly and safely with our extensive portfolio of Applications, Devices, Networks and Services designed for mission critical operations.

To learn more about our Public Safety LTE Solutions,
visit motorolasolutions.com/publicsafetylte

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