TITAN.IUM

NETWORK MANAGEMENT

Product Data Sheet

Element Management System (EMS)

⊙ Business Benefits

- Increase operational efficiency and effectiveness through pre-integrated signaling network operations

- Acquire reliable insight into signaling network investment, reduce processes and manual oversight

- Inherit holistic visibility of the signaling stack from network equipment to applications and functions

- Maintain end-customer experience with accurate and timely problem management

- Minimize the risk of future service disruptions with proactive service monitoring and trend identification

- Tailor the solution to your users and network requirements with high-levels of customization

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Element Management System (EMS)

⊞ The Challenge

Titan.ium network management product, the Element Management System (EMS), is a fault and performance management solution for Titan.ium products.

This product will provide network element management and service assurance across all the protocols and components supported by the platform. It is a flexible, easy-to-deploy solution, based on the Zabbix™ framework, with a visually appealing user interface and a common inventory and data model.

⌄ The Titan.ium Solution

Core network platforms have historically been managed by highly skilled engineers using a command line interface and proprietary platform tools. In the drive to improve efficiency and lower costs, while increasing revenues and improving customer experience, management systems and automation have gained wider use. As Communication Service Provider (CSP) networks increase in complexity and scale, it is essential that they adopt the most efficient processes and tools available to stay responsive to customer services and demands. These tools will provide instant access to and visibility of the performance of the core platform, critical to business operations.

Titan.ium solutions enable carriers to accelerate implementation of new services across multiple generations of networks using a single unified platform, while dramatically simplifying the core network and reducing operating costs. The EMS solution takes a step further in fully optimizing the user experience and ease of operation for our customers worldwide.

⫴ Key Capabilities

Enhanced platform User Experience
The intuitive role-based EMS user interface, provide comprehensive, graphical views of the Titan.ium platforms, applications and architecture. EMS operates from the topology of the node, with centralized performance, status, inventory and fault representation. EMS improves the effectiveness of system engineers, solution architects and operations.

Auto-discovery and Change Management
EMS includes auto-discovery of the broad Titan environment from hardware to applications, including links, routes, interfaces, disks, elements, databases and more. It facilitates collection of data and events, identification of equipment status and change management. EMS includes flexible discovery, rule creation for environment-specific data collections rules and communication preferences.

Problem Management
Fault and problem management for the infrastructure include time-stamped event correlation and reporting. EMS applies performance and utilization thresholds and communication failures as triggers for event reporting, highlighting the affected application or root cause event.

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Key Capabilities (continued)

Monitoring and Performance Management

EMS continuously observes resource utilization data, performance metrics and traffic analysis, allowing you to pre-empt quality issues and pro-actively identify traffic growth, decline or anomaly spikes. EMS also includes options to compare counter and KPIs to deliver trends and predictions.

EMS monitors the message traffic across nodes and links. This monitoring essentially helps operators make informed decisions on capacity and required investment for the core infrastructure, while maintaining the best customer experience.

Out-of-the-box and Customizable

EMS includes off-the-shelf integration with the platform with pre-defined templates linked to applications, nodes and hosts. Operators use EMS to align to user-specific roles and responsibilities. The EMS template-based monitoring rules with in-flight upgrading and patching only require a restart on major system updated. In addition, EMS leverages the extensive 3-rd party open-source Zabbix template library, to easily customize platform requirements for complex, operator specific signaling networks.

Custom Dashboards

EMS provides the ability to create customized dashboards for network monitoring. This can be done autonomously by the customer or via Titan.ium's specialized Professional Services teams.

DISCOVER THE POSSIBILITIES.
INNOVATION AT YOUR FINGERTIPS

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