

Use Case Name Ultimate Umbrella Management System: GEMS



Summary

An MNO who had also been running fixed line operations had been using 5 different islands of network performance management tools. Some was destined for IT-OPS management while some for specific technologies hosted by the operator. Through GEMS™, the operator has been able to combine all monitoring tools under one umbrella.

Actor

Mobile and fixed line network operator.

Situation

Through successive mergers and acquisitions, the operator had to maintain a vast variety of network elements and tools to maintain them. As the hierarchy grew, teams got confused and demanded more manpower to monitor the overall structure which led to inefficiency and difficulty in providing precision in optimization. More than 80K devices and 300 types of network elements were provided by roughly a dozen of manufacturers.

Solution and Benefit

Through GEMS the operator collected monitoring data from various telecom and IT infrastructure and convolved under one screen, enabling deep inspection of every element of their network. Network faults and alarms could then be combined, troubleshooted in just a few clicks, kept tabs on user traffic and operators could design their own dashboards for ease of maintenance. Five different instances of network monitoring and fault management tools were replaced by GEMS, not only easing the day-to-day burden on the operator but also releasing their OPEX.

Network Fault & Availability Monitoring Success Story

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TTG's GEMS®-FAMAN Platform Provides Reliable Network Fault, Performance and Availability Monitoring for Türk Telekom's VPN, WIFI, Data Center Networks and Intranet

Türk Telekom actively monitors and manages thousands of devices/ports in different domains and advises clients on performance, fault, alarm and security about management of their network infrastructure. It's important to identify and mitigate operational risks within the clients' networks to keep them running optimally and securely. Common risks that the operator team actively manages are outages caused by device failures.

The GEMS®-FAMAN has been preferred as the solution because of the low total cost of ownership (TCO), manageability, easy to use and low-cost expandability of the network monitoring done in a single tool. The GEMS®-FAMAN is a new network monitoring solution that is built to do one thing only - provide you with an easily manageable, reliable, and cost-effective network monitoring solution that will remain relevant for years to come.

GEMS®-FAMAN Platform with FCAPS Functionality

Türk Telekom implemented the GEMS®-FAMAN Platform to provide a comprehensive network monitoring environment for their clients. "As the digital transformation leader of our country, Türk Telekom promotes collaboration with domestic technology companies to develop national products and carry out business development activities. As Türk Telekom, we will continue to create value by contributing to the development of domestic and national technologies through the investments we have made with the localization of our critical products." Mr. Yusuf Kırar, Türk Telekom's Chief Technology Officer explains.



YUSUF KIRAR, CTO, TÜRK TELEKOM

With GEMS You Can

Implement a centralized management system: By using a single converged tool like GEMS, monitoring and managing the network from a single window avoids confusion of operators while **streamlining** processes.

Enhance training and knowledge sharing: Ensuring that all team members have a strong understanding of the network and how to use the management tools improves **efficiency**.

Optimize the network: By using the data collected through GEMS, the operator identifies areas for optimization while **improving** overall network performance.

Overall, implementing GEMS and streamlining the network management process helps the operator in improving efficiency, reduce costs, and provide better service to their customers.

Key Achievements of GEMS®-FAMAN Platform

