Multi-Vendor Network Management System

NMS for GSM multi-vendor Network Management

Protocol standard is CMIP (Q3) or CORBA

Alcatel OMC — Ericsson OMC — Motorola OMC — Huawei OMC

Solution Overview

Customer Profile:

The customer is the world's largest mobile carrier, delivering mobile voice and advanced Internet services to around 20 % of the global population. With 2000 revenues of more than $ 17.4 Billion and an annual growth rate of 15.7 % it is clearly one of the most powerful and promising companies in the world.

Challenge

To avoid single vendor dependencies and ensure the best competitive prices for its network equipment, the customer deploys a range of different GSM switches: Alcatel, Ericsson, Motorola and Huawei equipment.. Specialized Element Manager and Network layer OMC's have to be combined to ensure an overall effective, efficient and high quality of network services. Existing service management systems or integrated management systems did not provide the detailed information and process support for fault management, configuration management and performance management that was required by the customer.

The size of the networks and their intense operations demanded a very robust, scalable and reliable network management system. The local Vertel system integrator provided a solution based on the M*Ware network management development environment, which offers fully distributed and public standard based complete convergent management functionality for all four vendor equipment types
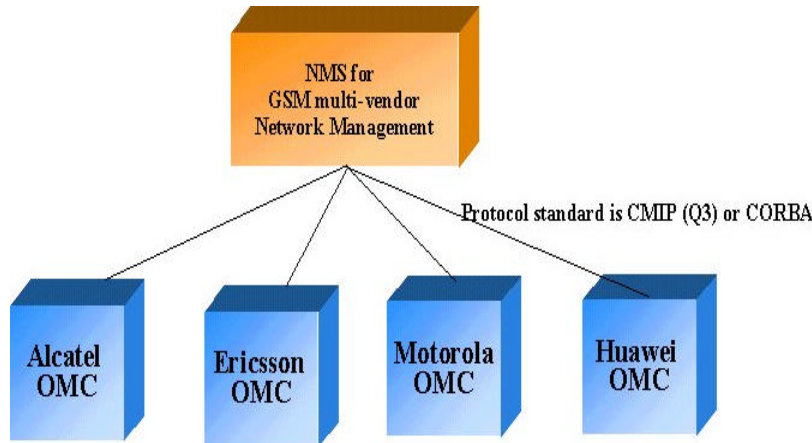
Solution

The Vertel SI won this challenging RFP, because of their attractive combination of local customization based on a well established management development platform. M*Ware offered most of the network management functionalities off-the-shelf, greatly reducing the time to develop the final application.
Vertel's M*Ware products have been successfully installed in the network management development market for many years. M*Ware supports all necessary standards for fault management, configuration and performance management and reference implementations can be demonstrated for all the relevant switches.. Vertel is a dedicated solution provider for the multi-vendor integration market and was selected by the customer because of its vast knowledge and experience in developing convergent network management solutions, its competitive pricing and professional project management methodology (3PM).

Benefits

The end-solution was developed and delivered by the local Vertel SI within budget and delivery timeframes. The end customer was able to deploy the solution in ten provinces, enhancing its quality of service and reducing its network management costs significantly.

About Vertel

Vertel is a leading provider of convergent service management mediation solutions. Vertel's high performance solutions enable customers to quickly, and cost effectively introduce new services, networks and OSSs while leveraging existing investments.
Using the M*Ware driven Development Environment (DE), Vertel has created a full suite of mediation based applications that can address protocol translation, data transformation, element and network management, OSS application integration, and OSS exchange services. Vertel's product offerings allow seamless management in multi-technology and multi-vendor environments. Vertel also develops communications software solutions that fit individual customer requirements through its Professional Services organization.

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Connecting systems, software and carriers

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