

## 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

The customer deploys a wide range of different network switches: Alcatel S1240, Ericsson AXE, Siemens EWSD, Nortel DMS and Lucent 5ES. All these switches collect usage data required for detailed usage management and billing.

The switches needed to be contacted regularly and the usage data files transported and gathered in a very secure manner. There were considerable differences in the different equipment deployments and the size of the networks called for a very robust and reliable solution. Vertel's M\*Ware products have proved themselves in this market over many years and reference implementations could be demonstrated to each switch..

Vertel is a dedicated solution provider for this multi-vendor integration market and was chosen by the customer because of its vast knowledge and experience in developing convergent network management solutions, its competitive pricing and its professional project management methodology (3PM).

### Solution

Vertel M\*Ware provided standard building components for every equipment type and secure file transfer software for both OSI and IP stacks. Files needed to be transferred using the lower OSI stacks and M\*Ware FTAM was implemented for regular file gathering so that no file could get lost or damaged during transfer.

M\*Ware FTAM was chosen because of its availability on a multitude of platforms including Sun Solaris, HP/UX, IBM AIX, Windows NT/2000 and SCO Unix.

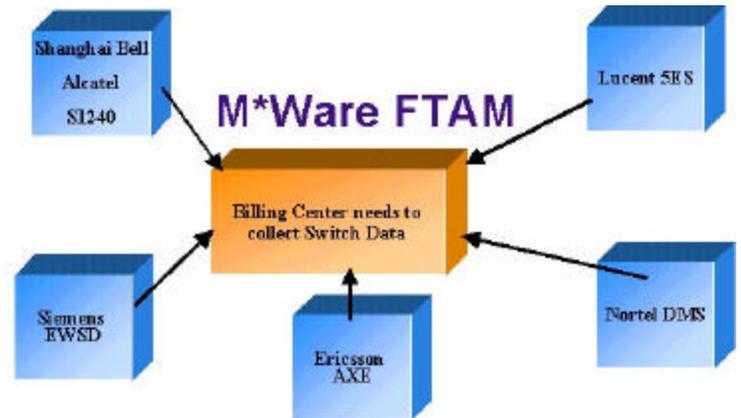
The end-solution for the customer was developed by two national systems integrators, based on M\*Ware components.

Currently, the Vertel based solution is deployed and is serving millions of users.

### Benefits

The customer was able to deploy a very complex solution within 3 months of project start. The system integrator used M\*Ware TMN components to deliver this solution against such an aggressive time schedule with the highest software quality, reliability and performance. Vertel was able to deliver and support its software through its local distributor and partner within both budget and delivery timeframes.

## CDR Transfer and Gathering for Multi-Vendor Billing



### 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.



Connecting systems, software and carriers

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