



Product Overview

Built on years of experience in architecting high-performance, carrier-grade computer-centric signaling and messaging platforms, Canvas MMSC is designed with unlimited performance and scalability in mind.

On-demand scalability as the business grows is achieved by simply adding new servers. In addition, features such as built-in direct SMS notification and direct HTTP connection with the handset improve performance by bypassing the WAP infrastructure and eliminating its performance bottleneck.

Canvas MMSC has been developed with extensive interoperability features since this is a critical success factor for wireless operators. Canvas MMSC uses the advantage of partnering with best-of-breed companies to integrate their transcoding and streaming technologies, supporting open interfaces and APIs to ensure interoperability.

A key revenue generator for wireless operators will be a creative suite of MMS applications and services. To support this, the Multimedia Album with public and private folders is supplied as a ready-to-go-service. The Multimedia Album provides a personal storage area for subscribers to store pictures, sound bytes, video clips and animations, complete with an MMS composer to send MMS messages from the Internet and share content with friends. The subscriber portal allows the users to define mobile device characteristics so that the most suitable format can be selected in delivering the multimedia message to their devices. Terminal capability negotiation allows Canvas MMSC to determine the subscriber's device type for the best presentation.

Feature Summary

- Fully-compliant with 3GPP, 3GPP2 and Open Mobile Alliance (OMA) standards
- Standard (embedded) transcoding includes most popular image, audio and video formats
- Advanced transcoding support for additional audio, video and streaming media via Standard Transcoding Interface (STI)
- Web and WAP-accessible Inbox Management, Multimedia Album and message composition applications
- Wireless Number Portability support
- Terminal capability negotiation
- Enhanced legacy terminal support
- Prepaid and postpaid charging
- Virus and Spam protection
- Automatic settings adapter to capture MO messages coming from handsets with incorrect MMS settings
- SNMP for network management
- High availability with redundant and N+1 configurations
- Near-linear scalability in performance with additional server units

Interfaces

- MM1, MM3 and MM4 support
- Optional MM5 Interface support
- MM7 Interface based on XML/SOAP, OSA/Parlay
- MM7 Toolkit with Java API

Core Platform Technology

- IP, UDP
- Web Services, XML
- Java SE, Java EE, JDBC, JMX

Operating Environment

- SUN Solaris
- Red Hat Enterprise Linux