

MessagePoint helps Latin American mobile operator converge systems

THE CUSTOMER

A mobile operator in Latin America operates both a GSM and a CDMA network. The two networks have their own OSS/BSS, a prepaid server that supports CDMA subscribers and a charging system that supports GSM subscribers. The systems are from different vendors and have different features, which prevents the mobile operator from offering the same charging and billing options to both CDMA and GSM subscribers.

THE CHALLENGE

Maintaining two prepaid billing systems requires high capital expenditures, while supporting two separate operations groups doubles operational expenses. The mobile carrier wants one converged prepaid system that will additionally support online charging mechanisms for both GSM and CDMA subscribers. Neither of its current vendors offers both and replacing both systems would greatly increase CAPEX and OPEX, even if a suitable vendor could be found.

THE ANSWER

Cirries MessagePoint augments functionality of existing service and interprets new inputs and variables to extend legacy service logic. In this case, it expands the legacy GSM Online Charging Server (OCS) to function as the OCS for both GSM and CDMA based subscribers. It also receives ANSI-based WIN from the CDMA network and converts the WIN protocol to the GSM-based CAP protocol. It then sends converted messaging to the CAMEL-based, GSM OCS.

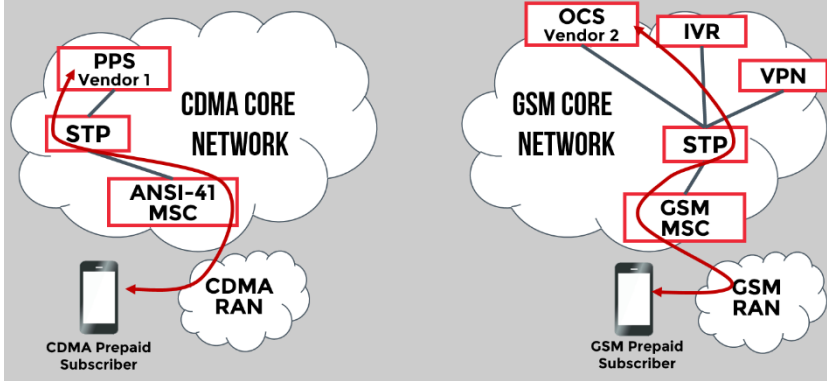
For calls utilizing VPN numbers MessagePoint invokes virtual private network (VPN) services to support varying charging scenarios and thus offering additional CAMEL-based, GSM services to existing CDMA subscribers.

When pre-call announcements are required, MessagePoint connects a GSM-based intelligent peripheral or Interactive Voice Response (IVR) system to the call via the CDMA mobile switch (MSC). This approach allows the GSM OCS to fully serve CDMA subscribers along with GSM subscribers.

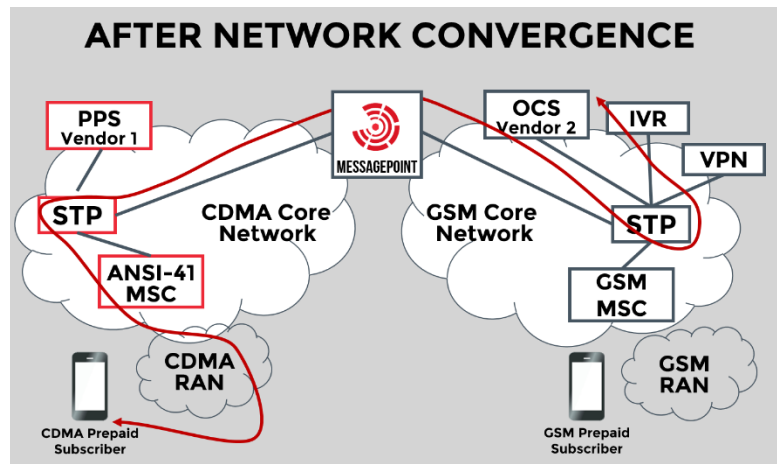
HIGHLIGHTS

- Flexible technology that adapts easily to the operator's network
- Technology and expertise for diverse (CDMA and GSM) networks
- A foundation for adding further enhancements to both networks
- Removed the need for a new Online Charging system for the existing CDMA network to replaced Prepaid Server
- One charging system for both networks makes new features and plans available to CDMA subscribers
- Scalable and extendable platform enables additional interoperability of future GSM/UMTS services to CDMA subscribers
- Reduced CAPEX and lower OPEX

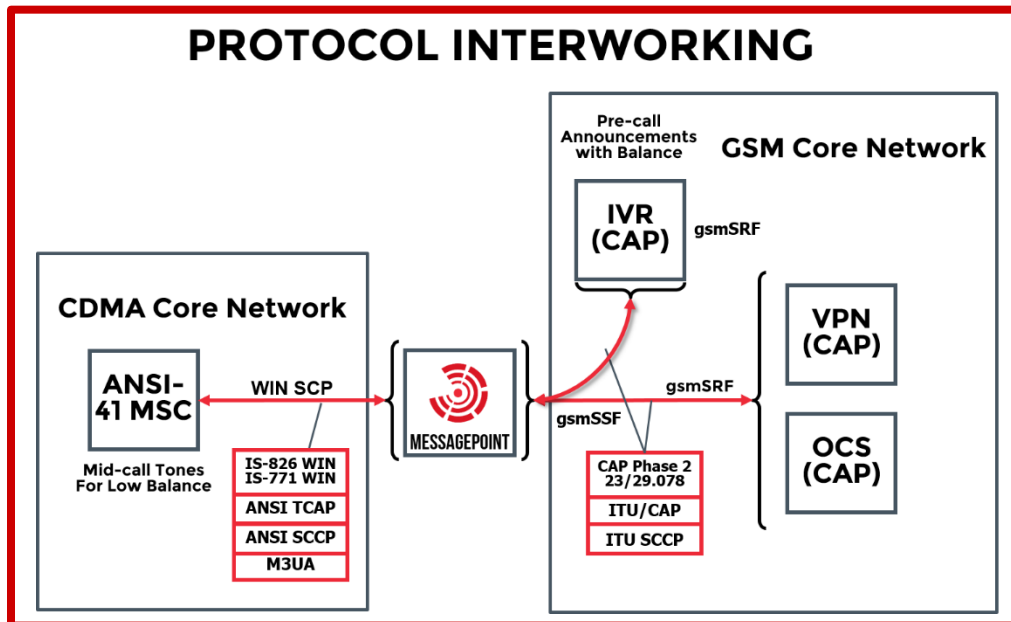
BEFORE NETWORK CONVERGENCE



AFTER NETWORK CONVERGENCE



PROTOCOL INTERWORKING



ABOUT CIRRIES

Cirries Technologies software empowers network operators and companies in the network visibility, fault isolation, performance and network security industries. Cirries' products can digest data from multiple sources and reduce it to the right format for real-time notification, storage or application use to reveal real-time performance and security of any network. Cirries' software is highly scalable and easily deployed on COTS hardware, virtual machines or in the cloud.