Introducing the inSwitch Platform...

TRAM
Trunk & Routing Automated Maintenance

inSwitch

Honōvi's inSwitch platform is an integrated suite of solutions for network and revenue assurance executives responsible for improving efficiencies, increasing accuracy and eliminating lost revenue caused by inaccurate, incomplete and missing switch translations.

Supporting both TDM and VoIP switch technologies, inSwitch is the only integrated Provisioning and Revenue Assurance platform.

inSwitch automates the manual processes required to identify and correct existing translation errors plus maintain the validated baseline with changes required by routing and NPA/NXX transactions.

inSwitch's turnkey or service bureau implementations provide offline validation and correction of switch translations, automation of switch updates based on transactions from the LERG© or order activation systems, and workforce management for manual technician activities.

Trunk & Routing Automated Maintenance

Business Environment

Service Provider's local service revenue has been affected with product bundling, wireless substitution and customer defections due to UNEP rulings. With top line growth slowing, senior executives demand solutions that reduce cost and improve quality of service. Numerous companies have successfully implemented scalable OSS products that deliver increased profitability with 100% ROI in under six months.

The inSwitch™ Trunk & Routing Automated Maintenance (TRAM) module provides Network executives a solution for automating trunk and routing translations. Supporting both TDM and VoIP switch technologies, TRAM automates repetitive and labor intensive tasks performed by highly skilled technicians.

Routing Database

TRAM, using the industry standard LERG and Common Language Circuit Identifiers (CLCI), in addition to user specified business rules can automatically determine correct network element route sets. This allows trunk engineering organizations to disseminate their trunk and route choice patterns via an industry standard coding scheme. When exceptions exist, they are managed by defining overflow patterns at a switch to switch level.

Routing Validation

TRAM utilizes the inSwitch Validator module to extract trunk and routing data from the network element or operational support system. TRAM then compares the contents of its Trunk and Routing database with content from the network element to determine discrepancies. Identifying these discrepancies allows the routing translations organizations to ensure that the network elements are translated in accordance with the trunk engineer's design.

Trunk Automation

TRAM provides Network Operations an intelligent provisioning process that will accept work orders for trunk group creation or augmentation. Based on data from trunk inventory or provisioning systems, TRAM's translation engine will create the required translations for building new trunk groups, augmenting existing trunks and disconnecting trunks. For new trunks, TRAM will create automated orders to re-home the existing traffic to use the new facilities.

Benefit

By automating the manual and repetitive tasks of creating trunk and routing translations, carriers significantly reduce costs and improve accuracy. Additionally, validating the actual network routing against their plan allows Service Providers to eliminate unnecessary capital expenditures.

Summary

Honōvi's inSwitch TRAM module significantly reduces the time, increases the accuracy, standardizes the translations and radically reduces the cost of maintaining network routing and trunk translations. The result is a verifiable increase in the effectiveness of organizations responsible for maintaining routing and trunk translations.