neox Softswitch

Next-Gen Communication Platform for Telcos

ROBUST to the CORE

Neox Softswitch is a cost-effective VoIP solution that enables carriers and service providers to offer a VoIP platform supporting secure and reliable Class-5 features and functionalities over a packet-based network.

The solution offers carriers and service providers the ability to launch competitive new service offerings quickly and easily to increase subscriber stickiness and revenue generation.

Product Highlights

Protocols Support:
SIP,MGCP, H.323

Neox Softswitch provides VoIP features based on next generation SIP, H.323, MGCP Protocols. These are protocol standards meant for multimedia communications. These protocols were designed to support real-time transfer of audio and video data over packet networks like IP and cover specific aspects of Internet Telephony.

NAT Traversal

The Neox Softswitch provides NAT Traversal feature, which facilitates transmission of media traffic between edge devices that reside in private IP networks.

Cost-saving LCRfunctionality
and flexible rating feature support

The Least Cost Routing feature uses call route with the lowest cost rating within a priority level. Rating feature allows service providers to provide flexible rating & charging with features like base rate, drop-off rates, based on time of day, special day rates, etc.

Video Call

Neox Softswitch provides Video Calling feature, you can see and hear your friends/family while you communicate with them.

Geographically distributed,
highly coordinated architecture

The solution is well designed to be geographically distributed, to cater the carrier's requirements. The Neox Softswitch permits centralized control of geographically distributed components, facilitating the carrier with immense operational ease.

High Availability Ready

The solution supports N+1 redundancy, allowing carriers to ensure that services are not interrupted in case of machine / hardware / other failure.

Web-Management Console for system
monitoring & subscriber provisioning

Neox Softswitch facilitates; effor tless configuration and maintenance through its web-based interface. A powerful but user friendly interface facilitates secure user authentication and authorization & allows customers to self provision services as per individual requirement.

Calling Card/Voucher Management

Neox Softswitch offers a secure and flexible prepaid service recharge solution through IVR.

Reliable Linux Operating System

Neox Softswitch runs on a reliable Linux Operating System, which increases security, provides ease of administration to Linux /Solaris-savvy administrators and reduces the solution cost.

SNMP Management and Monitoring

Neox Softswitch supports SNMP with a comprehensive management information base (MIB). You can set configuration parameters, poll devices for performance statistics, check status information, and receive alarms if faults occur.

RADIUS Interface

The solution provides RADIUS Interface to OSS/BSS vendors, enabling the carriers to authenticate, authorize and do accounting using the secure RADIUS interface.

Inbuilt Centrex

Centrex framework allows service providers to deliver PBX features to an enterprise without the associated expenditure maintaining and managing costs of a premises-based telephony system.

Support for Regulatory & Standards Compliance

- Compliant with Regulatory Emergency Services (E911) requirement
- Supports Location Routing Number (LRN) method for number portability
- Supports Lawful Interception (LI) to provide legally sanctioned /authorized agency access to private communication

Lawful Interception

Lawful Interception (LI) is the legally sanctioned access to private communications by authorized agencies. This solution provides LI using a partnercomponent.

Interactive VoiceResponse (IVR) Server

Interactive VoiceResponse Platform can detect touch tones. This IVR system can respond with a pre-recorded audio to enable automatic call answering. This can provide various features like Two Stage Calling, Advertisements, Music on Hold, etc.
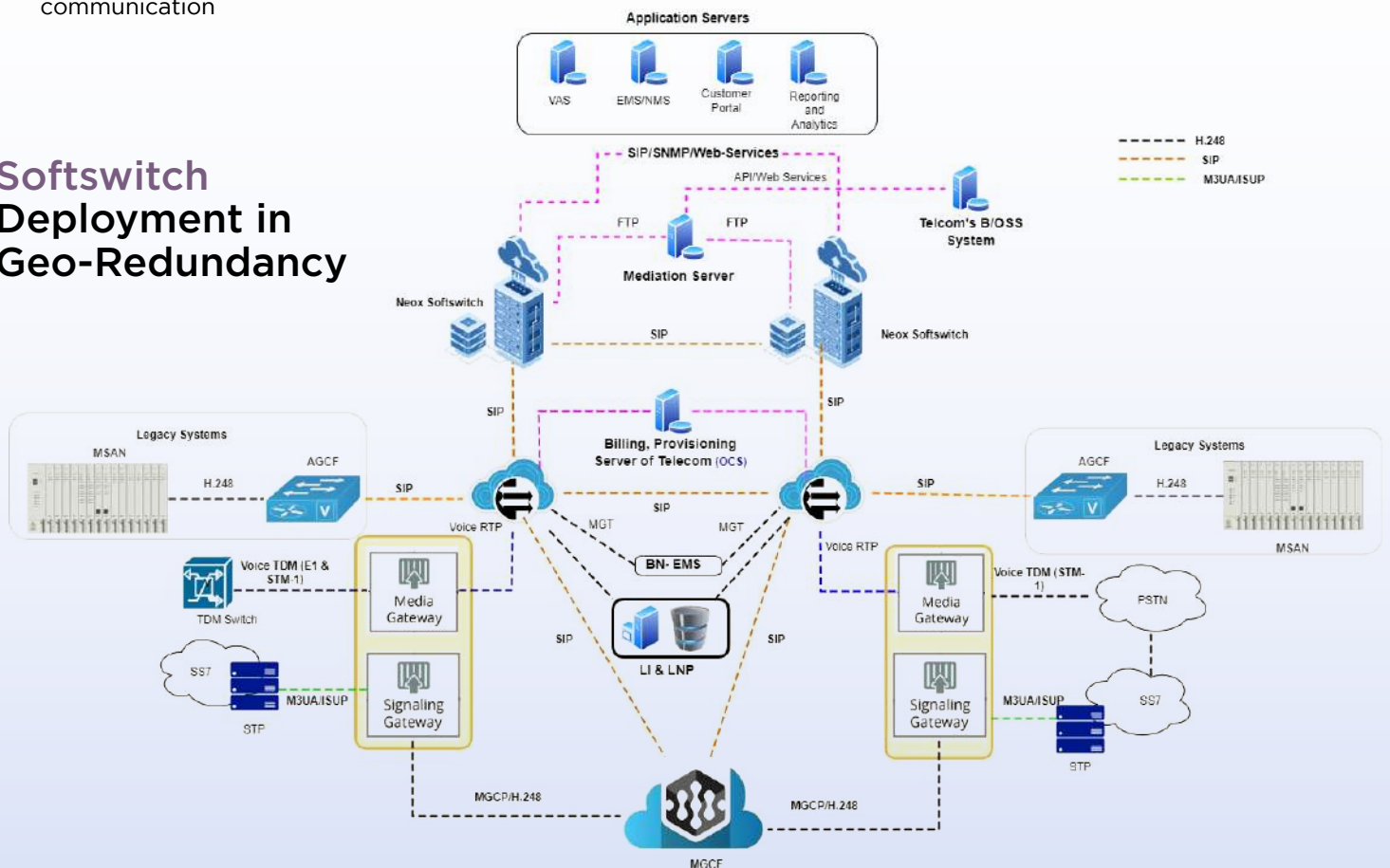
Call Conferencing and Voicemail

This solution supports RFC based standard implementation to integrate with leading Conference / Voice Mail servers, enabling carriers to provide VAS services.

Class 5 Features

- Call Forward Unconditional / Busy / No Answer / Based on Time/Selective
- Call Transfer Blind/Attendant
- Call Restriction
- Callback
- Hunt Group
- Calling Card
- Fax T.38/Bypass
- Web Calling/Click to Dial
- Voice/Fax mail
- Do not Disturb & many more..

Softswitch
Deployment in
Geo-Redundancy

Technical Specification

Extensions
- IP Phone / ATA Extensions
- Media Gateway

Call Logging and Reporting
- Passive and On-demand Call Recording
- Active Calls
- Active Endpoints
- Call Logs
- Call Data Reporting

Voicemail
- Flexible Voicemail Access
- Automatic Voicemail redirection when Busy
- MWI– MessageWaiting Indication

Mobility Features
- Call Forward
  - All
  - Busy
  - No answer
  - Call forward based on time
  - Selective Call Forward

Web Interface
- System & Subscriber Provisioning
- Viewing Call Details
- Fault Management
- Element Management System

Conferencing
- Adhoc Conferencing

Call Control
- Call Back
- CallReturn
- Hold
- Attendant Transfer
- Blind Transfer
- Do Not Disturb
- Call forwarding rules
- Direct Inward Dial (DID)
- CallWaiting
- Caller ID
- Extension dialing Plan
- CallRestriction
- Three-way calling
- Call Barring
- Hunt Groups (Sequential, Random, Simultaneous)
- Emergency Services
- Calling Card

Other Features
- IAD / CPG centralized auto-provisioning
- Scheduled Global Follow-Me (Hours and Days)
- Flexible Call Rating
- Least cost routing
- NAT Transversal
- CDRfor incoming and outgoing call analysis
- Speed Dialing
- Video Calling
- SNMPbased Alert Management
- Instant Messaging
- Lawful Intercept (LI)
- High Availability
- Voucher Management
- RADIUS Interface
- Customized Call Flow
- Web Service Interface
- Business Intelligence (BI) Reports

Music on Hold
- Custom Music on Hold
- Music on Hold
- Multiple Language Support

Trunk Interface
- SIP, H.323

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