NGN
IVR System

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NGN IVR System

Product ID : MAC-IVR240
Version : 1.0

MAC-IVR240 is hardware based Announcement server, which will interact with the user to know about their connections status through IP Media.

MAC-IVR240 supports a variety of media processing functions, including announcement generation, DTMF detection, message play, record and etc. This system is used to communicate with Billing server, Information server and other peripheral system to get the information and to play it.

The system architecture is built with telecom-grade scalability and quality of service. The Sequence Configuration is flexible to change by service provider through EMS Guide.

Key Features:

- Carrier - grade IVR System offering full feature meeting network requirements.
- Modular design enables for feature scalability
- Supports NGN protocols (SIP,SIP-MSCML) for communication with Softswitch and Media Stream Board.
- Supports operation in multi-prefix areas.
- Supports announcements in Regional,National and International language's.

Key Benefits:

- Guarantees feature continuity for highly profitable telephony services.
- Allows fast introduction of new voice services and other information services (e.g announcements etc).
- Guarantees continuity of all proprietary management interfaces (operation support systems, billing,Information servers and etc).
- Managed by the Network management system (MACIL)

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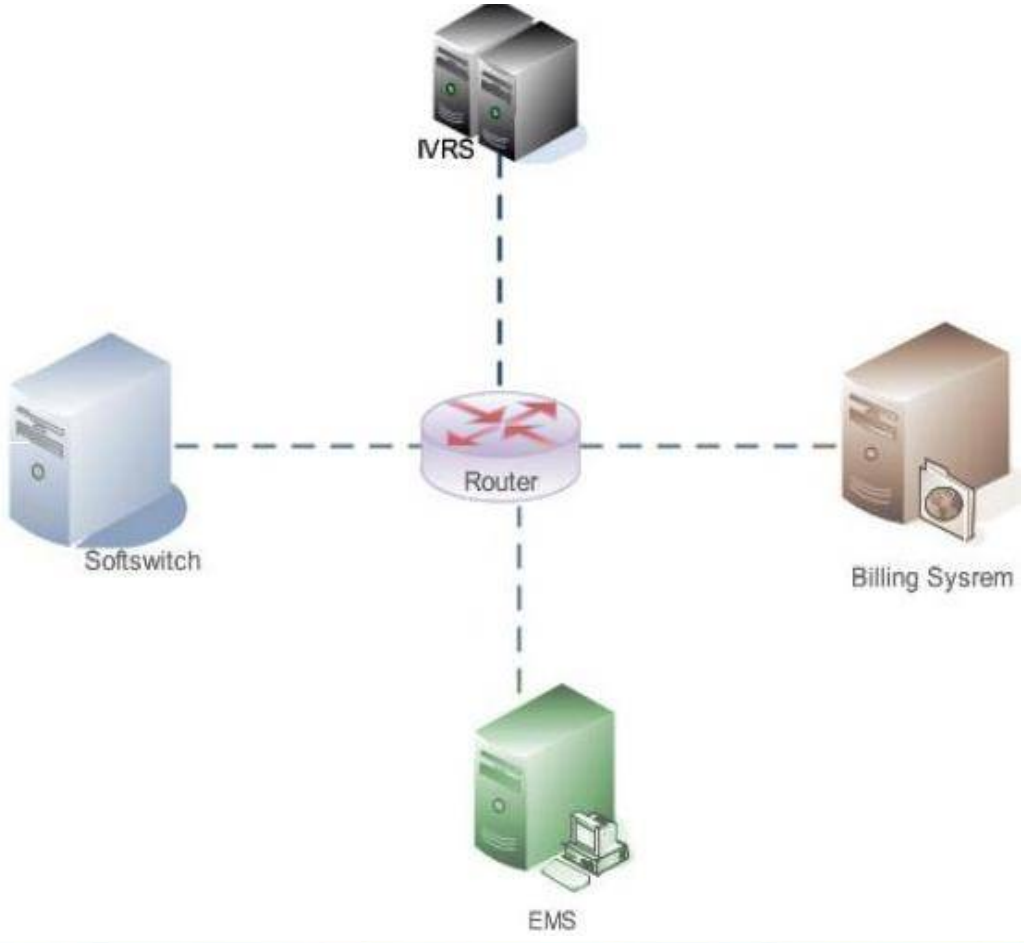
System View

IVR System Supporting NGN Elements



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Features

- Announcements
- Play back
- Tones
- DTMF Detection

Operating system

- Linux

System Logging

- Real Time configurable logging levels
- User and Administrator History

Element Management System

- Security
- Secure user certification, Multi-user security levels.

High Availability

- CPCI based Hardware architecture
- 2+1 Power supply module Redundancy

Scalability

- Entry level from 1k Media Stream Channels
- Controlled by software license upgrade and adding Modular hardware

Capacity and Reliability

- Racking - Multiple Media Stream Cards managed as single virtual IVR System.
- Software - Fault tolerant software architecture with call preserved across CPU
- Hardware - Modular design to meet the network challenge

Power

- 230V AC Rack Power
- Approx – 250W per Rack (120 channels)

Operating Environment

- Operating Temperature Range - 50 C to 450 C (410 F to 1130 F)
- Operating Humidity - 5% to 90% relative humidity non-condensing
- Storage Temperature Range - -400 C to +700 C (-400 F to +1580 F)

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