



The Technology of VoIP™

# Emergent's RETAIL and ENTERPRISE VOIP Solution – E-REV

Voice over IP is here to stay. With services like Vonage, Primus and AT&T's Callvantage, more and more carriers have decided to take advantage of VOIP technology to deliver new and exciting services to their subscribers. These services can be used to increase the revenues for ISPs or improve the margins for wholesale carriers and CLECs.

## The E-REV Solution

Emergent has a perfect solution for delivering these VOIP services to your customers today. Based on Emergent's industry pioneering ENTICE (Emergent Network Telecommunications Infrastructure Control Environment) the E-REV (ENTICE Residential/Enterprise VOIP) solution contains all the necessary capabilities for end to end delivery of VOIP services in a single solution. Unlike other solutions from vendors such as Broadsoft, Emergent's E-REV solution includes integrated NAT/firewall capabilities as well as all the features you've come to expect. These features include:

- ◆ Abbreviated Dial Plans
- ◆ Extension Dialing
- ◆ Last Number Redial
- ◆ Call Forwarding (unconditional, on busy, on no answer)
- ◆ Call Waiting
- ◆ 3 Way Calling
- ◆ Caller ID
- ◆ Call Hold
- ◆ Call Transfer (blind and consulted)
- ◆ Simultaneous Ringing of Extensions
- ◆ Hunt Groups
- ◆ Do Not Disturb
- ◆ Voicemail
- ◆ Forwarding of Voicemail to Email
- ◆ International Call Block
- ◆ Music on Hold
- ◆ Route to Announcement
- ◆ Directory Assistance Block

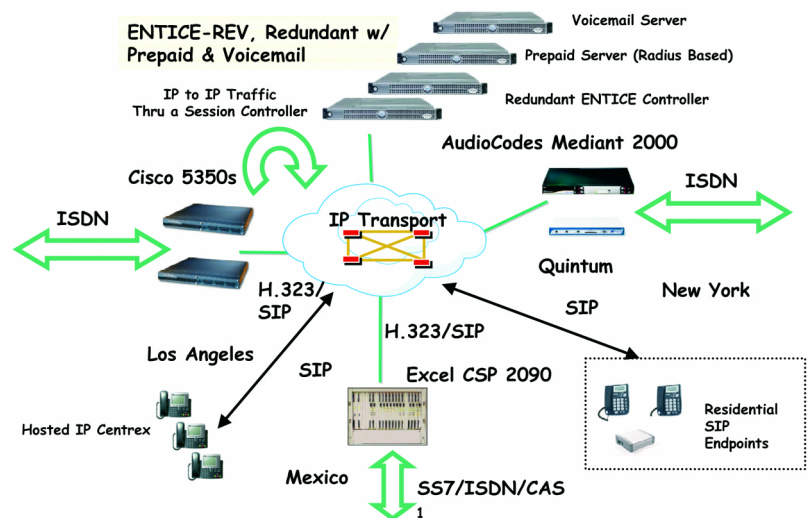
These features can be offered in configurable bundles for different customers. (Note: The actual feature set is dependent on endpoint selection)

The E-REV solution allows you to deliver enhanced residential services as well as hosted IP Centrex to your customers in record time at a very affordable price. Because of its ability to partition, service providers can also host end-to-end VOIP services for other carriers who have not yet achieved enough critical mass to support hosting their own service.

The E-REV solution provides excellent capabilities for interfacing with the existing network. These features include advanced routing and call capabilities to allow you to connect to existing IP networks or to create and manage your own. The solution can scale to over 500,000 subscribers using the ENTICE Connector technology which allows loosely coupled clusters of Linux or Solaris servers to control the network. The following is a partial list of E-REV's carrier features:

- ◆ Controlled via Clusters of Sun or LINUX Servers using a Distributed Architecture
- ◆ Supports N+1, 1+1 Redundancy
- ◆ Supports Micro Booting of Software Modules
- ◆ Supports "in-situ" Software Patches
- ◆ Supports Customer/Vendor created Applications via API
- ◆ Worldwide Signaling Connectivity
- ◆ Support for SS7, ISDN, CAS, H.323, SIP, H.248
- ◆ Support Country/Vendor Signaling Variants
- ◆ Distributed Control
- ◆ Security – Built in Firewall,
- ◆ Topology Hiding
- ◆ Easy to Use Web Based Interface
- ◆ Flexible Translations and Routing
- ◆ Pre, Post and Mid Call Translations

## ENTICE Residential/Enterprise VOIP (E-REV)



- ▶ Translate/Route on Gateway, Partition, NOA, Call Type, Dialed Number
- ▶ Least Cost, Percentage Routing
- ▶ Screening by Calling, Dialed Number, NOA
- ▶ Route to Partition
- ▶ User Levels/Access
- ▶ Support for Customer Partitions
- ▶ Bulk Loading
- ▶ Web Based
- ▶ Alarm Logs
- ▶ CDRs
- ▶ Customer Invoicing
- ▶ ASR Reporting
- ▶ Endpoint monitoring
- ▶ Prepaid/Postpaid Billing
- ▶ AAA

The E-REV solution is vendor agnostic and supports most SIP or H.323 gateways, gatekeepers, softswitches and SIP proxies including products from Excel, Cisco, Lucent, Audiocodes and Quintum.

The E-REV solution has been feature tested with many of the primary IP CPE vendors such as: Cisco, Grandstream, Azatel, Sipura, SNOM, Mediatix, Zoom, i3micro and Audiocodes. The product includes working customer templates to create your own retail side web pages which allow customers to sign up and self provision themselves to your service.

The E-REV product is based on Emergent's ENTICE technology, and therefore it allows you to start small and grow big in the fast-paced world of communications by growing your installation via clustering. In addition ENTICE's capability to be customized via the built-in APIs allow the product to be customized to meet your needs without the need for new software generics.

## About Emergent Network Solutions

Based in the Dallas, Texas area, Emergent Network Solutions, Inc. (ENS) is a leading provider of advanced telecommunications software and services that enable carriers and service providers to integrate current and future network technologies. We assist our customers in reaching their business objectives by providing real, deliverable telecommunications software solutions and specialized consulting services for all facets of network design, analysis and management.

To learn more about ENS, our products and our services, please visit [www.emergent-netsolutions.com](http://www.emergent-netsolutions.com), or contact us today.



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