

Redfone & Dicea Announce Low Cost HA SS7 Solution

By Redfone Communications

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Miami, Fl

Dicea has together with Redfone deployed a mission critical SS7 soft switch based on Asterisk within a premier Telephone network provider's core infrastructure. This solution proves the full interoperability between Redfone's foneBRIDGE2 products and Dicea's chan_ss7 premium product.

SS7 ISUP Cluster from Dicea

Major features include:

- Compatible with Asterisk 1.2.x, 1.4.x and 1.6.x.
- MTP2 (Q.703) implementation
- MTP3 (Q.704) implementation (subset).
- ISUP (Q.76x) implementation (mostly complete).
- Supports Dahdi/Zaptel compatible digital interfaces
- Facilities for MTP2 packet protocol analysis using e.g. wireshark/ethereal
- Supports high call volumes
- Supports multiple linksets with different DPCs
- Supports linksets with multiple links.
- Supports load sharing and MTP changeover.
- Supports multiple hosts (cluster) configuration with load sharing and failover.
- Flexible Dial command syntax for SS7 to allow routing to different linksets.

foneBRIDGE2 Overview

foneBRIDGE2 is a T1/E1 PRI-to-Ethernet Bridge. It is an integrated black-box "appliance" designed to streamline

installation and enable redundant design of Asterisk based VoIP systems. foneBRIDGE2 eliminates the need to install proprietary TDM hardware cards in approved/compatible server configurations. Instead, foneBRIDGE2 terminates T1/E1 PRI lines on the trunk side and provides direct Ethernet communication to a network of Asterisk servers using native Asterisk TDMoE formats and utilities. Engineered around our unique high-speed SoC

(System-on-Chip) TDMoE engine, foneBRIDGE2 provides low-latency delivery of your critical voice traffic and rapid switching to backup server nodes during fail over operations.

About Redfone

Redfone is a hardware and software engineering firm dedicated to providing solutions for the most demanding Open Source based voice implementations in the World.

Redfone specializes in the development of unique connectivity solutions for popular Open Source voice

platforms such as Asterisk®, Trixbox, and Elastix. Our unique philosophy of externalizing PSTN connectivity, combined with our extensive background in the engineering of critical data systems for the avionics industry sets apart from traditional PCI card vendors. Our solutions overcome some of the most significant challenges in deploying Open Source voice platforms, namely hardware compatibility, scalability and redundancy.

<http://www.red-fone.com>

About Dicea

Dicea develops the technology that integrates data communications and tele communications with our customers infrastructure, enabling robust and high performance services for the end users. Dicea has specialised in network infrastructure, including SS7 networks, and SS7 related products and services. The main products are SS7 SMSC for high performance SMS delivery, SS7 UUSD gateway, and special purpose protocol stacks such as GSM MAP. Dicea also delivers large asterisk based solutions using the chan_ss7 premium SS7 ISUP protocol stack.

<http://www.dicea.dk>

Category	Telecom, Technology, Open Source
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