



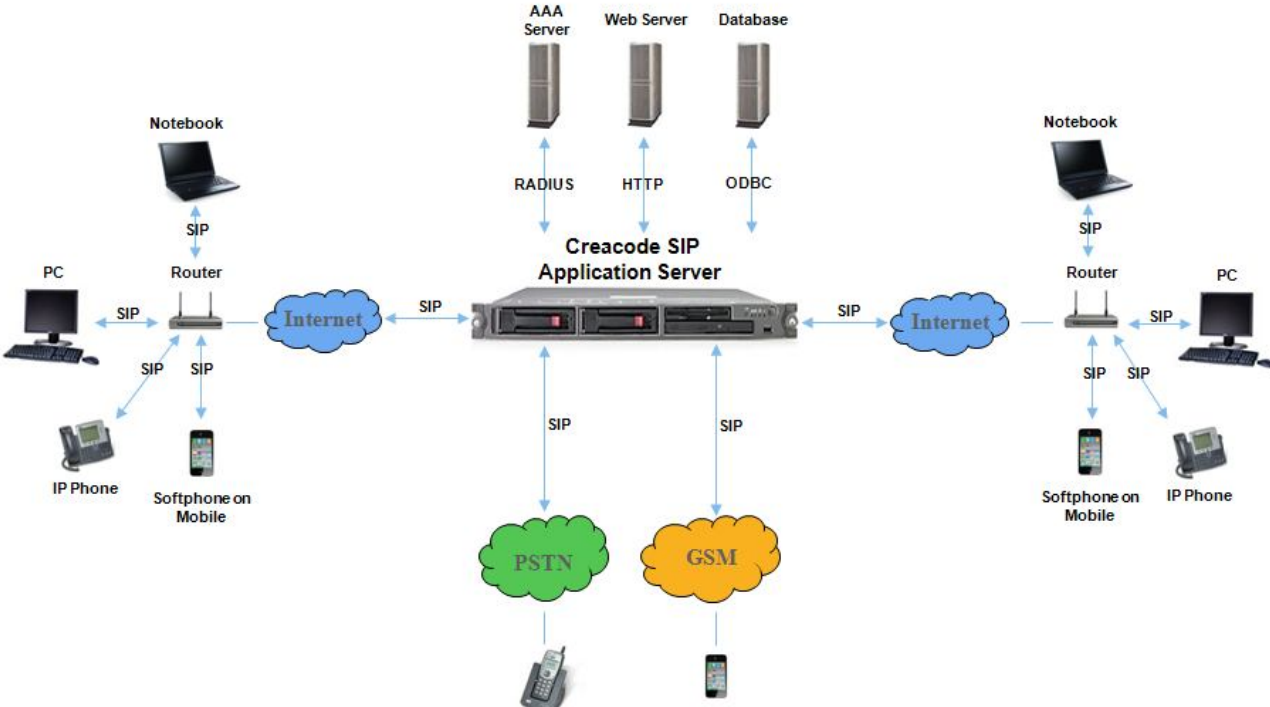
Creacode SIP Application Server®

Product Overview

Creacode SIP Application Server® (SIP AS) is a carrier-grade software solution for reliable and cost-effective control of VoIP calls in the center of IP telecommunication networks. Speaks SIP directly with industry leading softswitches, session border controllers and gateways to deliver multiple call services at the same time with its rapid service creation environment. It is ideal solution for telecommunication operators who plan to give or enhance call services in broadband IP telephony, prepaid/postpaid calling card, residential VoIP or in customized business models.

The power of Creacode SIP AS means that telecom operators can rapidly develop new call services or extend existing ones with inexpensive hardware configurations at the lowest total cost of ownership. Since it is a complete software-only package, there is also no need for any third party voice processing hardware.

Creacode SIP AS connects SIP originated calls to SIP endpoints while retaining full supervision of each call session during its lifetime. Establishes secure communication with RADIUS servers, Web applications or directly with any Database to send and retrieve call session parameters for billing or session manipulation purposes. Script-controlled IVR functionalities allow voice prompting, voice recording and digit capturing via RTP event or SIP INFO methods.



Features

- Real-time call starting, routing, redirecting, cut-off and call holding via high level scripting functions
- SIP Registrar ve NAT traversal solution for endpoints
- SIP IVR voice and DTMF capturing functionalities with multilanguage support
- Real-time secure communication with RADIUS servers, WEB applications or directly Databases during life-time of a call session
- ANI and DNIS based call routing, number normalization and manipulation
- Blacklist / Whitelist control for the calls coming from specified IP range.
- Strong scripting capabilities for abstraction of sip and media signalling, call parameters(SIP header) manipulation, timer setting, custom event handling and more
- CDR generation in file or database
- New call service activation regardless of interrupting ongoing call services
- Voice Recording and Voice Mail support
- Periodic e-mail notifications related to current state of a session
- WEB and Telnet interfaces for server configuration management, CDR reporting and call statistics monitoring
- Detailed system and service logs for troubleshooting

Who is Creacode SIP Application for?

- Telecommunication Service Providers
- VoIP Service Providers
- Tier 1 Carriers
- Retail Carriers
- Emerging Carriers
- Competitive Local Exchange Carriers
- Internet Service Providers
- Other Telcos operating in SIP networks

Multi Vendor SIP Device Support

- Softswitches
- Session Border Controllers
- SIP Proxies
- Gateways
- SIP phones and softphones
- Integrated access devices

Supported Audio Codecs

G711U, G711A, G729

Platform Support

- Operating System: Windows Server 2003/2008
- Database: Microsoft SQL Server 2005/2008, Oracle 9i/10g, PostgreSQL 8x/9x, MySQL 5x/6x
- Hardware: Commercial off-the-shelf servers from HP, Dell, Intel and others

Performance, Scalability and Availability

- Written in C++ native code for high performance and efficient use of system resources
- Up to 5000 concurrent SIP session processing on single server with 3Ghz x 8 core and 16GB physical memory
- Up to 500 concurrent voice session processing on single server
- Horizontal scaling by adding more servers and vertical scaling via addition of more CPU and memory per server
- Redundancy for failover protection and switchover of service
- Seamless new call service activation

Management & Security

- GUI and CLI based configuration and provisioning
- CDR generation, detailed system and service logging
- HTTPS, SIP Digest communication, encrypted passwords for server management and administration

Supported Standards

RFC: 0821, 1325, 2327, 2616, 2833, 2865, 2866, 2976, 3261, 3264, 3515, 3550, 3665

Contact Us

Please contact us for more information about our products and services.

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