

Paradial

RealSIP® Server

– The engine powering secure SIP services

RealSIP Server is a SIP registrar that manages users and services in a SIP telephony system.

The RealSIP Server is the “engine” that powers and controls the IP-communication environment of a service provider or an enterprise.

The product is integrated with the RealTunnel FW/NAT product and the combined solution provides the high quality services and features required to run secure and efficient SIP-systems. The added cost and time-to-market required for stand-alone servers is avoided.

Platform Support

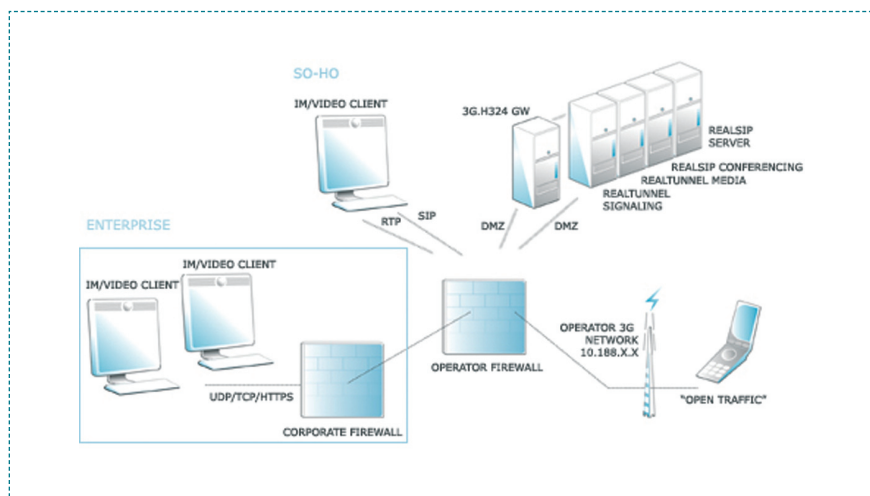
Open and SIP compliant solution. The server is available on Linux.

Technical Specifications

SIP server ports (UDP and TCP) are configurable. The server supports Proxy and Redirect mode. Security levels can be configured and trusted hosts can be specified. A flexible expression based routing scheme enables routing to PSTN/GSM and 3G gateways. The RealSIP Server supports any configured SIP domain. A simple presence service is included.

Approximately 10.000 concurrent TCP-based SIP registrations are supported with a higher number for UDP-based registrations. The server supports up to 150 new calls per second.

How it works



Supported standards

- SIP (RFC 3261)
- Symmetric Response (RFC 3581)
- Specific Event Notification (RFC 3265)
- Path Extensions (RFC 3327)
- Locating SIP Servers (RFC 3263, SIP DNS)
- ENUM (RFC 3761)

Features

- SIP Registrar functionality
- IM, Presence, Voice, Video, T.120 application sharing
- Proxy or Redirect mode
- Media Relay (All, Local users or None)
- Multidomain SIP Registrar
- Flexible expression based routing schemes
- Comprehensive security model
- Scalability
- Fault tolerance
- SIP SRV DNS based loadsharing
- O&M
- SOAP based provisioning interface

The result expression can hold all characters, where * introduces the digits encapsulated by * in the matching expression.

Matching Expression	Result Expression	Up	Down	Delete/Add
04*	*@fwd.pulver.com	↑	↓	⊗
9312 3120 d?	d?veb	↑	↓	⊗
<Add a new matching e>	<Result expression>			+

Testing


You may want to test your rules grammar. Enter a phone number here and see what it resolves to!

<phone-no>

ENUM queries

Do enum queries if none of the expression matched :

Screen-shot from the RealSIP® Server dispatch sub system.



SIP Routing - master

Domain Routing

The set of preconfigured remote domains. DNS lookups do not occur for these domains, they are routed directly to the configured address. The host can have more than one address:port, if separated with commas, however, the additional hosts are only used as backup hosts if the server times out.

Domain	Host(:port)	Delete/Add
example.com	192.168.0.132	⊗
realsip.com	62.70.3.24	⊗
<Add a new domain here>	<ip-address(:port)(...)>	+

Screen-shot from the RealSIP® Server dispatch sub system.

About RealTunnel® technologies

Paradial RealTunnel® technologies is a portfolio of solutions that empowers efficient, secure real-time IM solutions as stand-alone applications or embedded in other systems.

RealTunnel® technologies consist of:

- RealTunnel® Firewall/NAT (Network Address Translation) traversal
- RealSIP® Server
- RealSIP® Conferencing Unit (basic component for conferencing)
- RealSIP® Communicator (basic component for SIP/IM clients)

About Paradial

Paradial is a global provider of highly efficient IP telephony solutions. Our product platforms – RealTunnel® and RealSIP® – enable secure and supreme quality IP communication services through any firewall set-up.

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