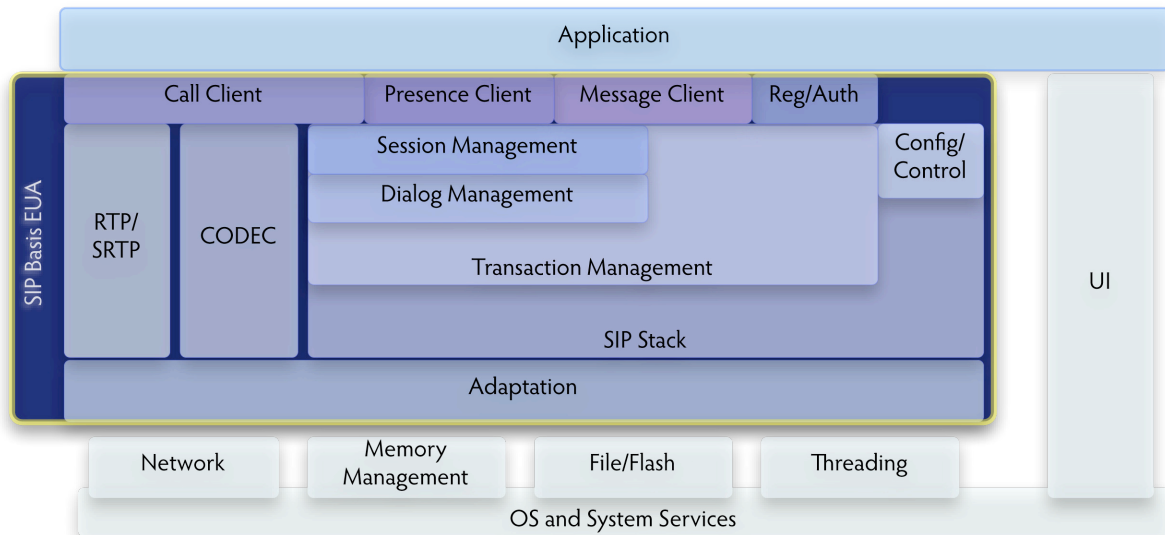


SIP Basis Embeddable User Agent

Reliable, memory efficient, purpose built SIP stack crafted to SIP enable *your* application

Estacado Systems, the SIP experts, brings you the SIP Basis Embeddable User Agent, a modular, robust SIP client framework to enable rapid client development. Delivering a complete set of functionality and an easy to use modular architecture, the SIP Basis Embeddable User Agent provides the enabling framework for high quality communications clients.



Standards and Interoperability

The Estacado SIP Basis Embeddable User Agent components are designed for seamless interoperability and standards compliance. Estacado is active in the IETF writing and contributing to these standards. This significant expertise is applied directly to the SIP Basis Embeddable User Agent.

Current and correct SIP implementation	Interoperability testing at SIPIt events
Support for 3261 INVITE and non-INVITE transactions	Page mode messaging including CPIM bodies and delivery reports
UDP and TCP support	RTP and RTCP support
STUN over UDP	iLBC, Speex, and G.711 codecs
MSRP	Subscribe, Publish, and Notify support
Support for IMS specific headers	User registration and authentication (MD5)
Support for IMS specific signaling	Optional SigComp via the SIP Basis Compression Library

Performance, Robustness, Flexibility

The Estacado SIP Basis Embeddable User Agent was designed from the ground up to be a portable, low memory usage, and highly reliable stack and user agent. A modular architecture and easy to use C++ application interface make it simple to integrate just the right pieces with your application. The SIP Basis Embeddable User Agent has application interfaces for:

Call and Session Management	Subscribe, Publish, Notify
Messaging	Connectivity Management
User Registration and Authentication	MSRP

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Comprehensive Standards Support

RFC 3261	SIP: Session Initiation Protocol
RFC 3264	An Offer/Answer Model with Session Description Protocol (SDP)
RFC 1847	Security Multiparts for MIME: Multipart/Signed and Multipart/Encrypted
RFC 2045	Multipurpose Internet Mail Extensions (MIME) Part One: Format of Internet Message Bodies
RFC 2046	Multipurpose Internet Mail Extensions (MIME) Part Two: Media Types
RFC 2181	Clarifications to the DNS Specification
RFC 2617	HTTP Authentication: Basic and Digest Access Authentication
RFC 2633	S/MIME Version 3 Message Specification
RFC 2806	URLs for Telephone Calls
RFC 3265	Session Initiation Protocol (SIP)-Specific Event Notification
RFC 3903	Session Initiation Protocol (SIP) Extension for Event State Publication
RFC 4xxx	The Message Session Relay Protocol (RFC number pending)
RFC 3489	STUN - Simple Traversal of User Datagram Protocol (UDP) Through Network Address Translators (NATs)
RFC 3313	Private Session Initiation Protocol (SIP) Extensions for Media Authorization
RFC 3323	A Privacy Mechanism for the Session Initiation Protocol (SIP)
RFC 3325	Private Extensions to the Session Initiation Protocol (SIP) for Asserted Identity within Trusted Networks
RFC 3428	Session Initiation Protocol (SIP) Extension for Instant Messaging
RFC 3455	Private Header (P-Header) Extensions to the Session Initiation Protocol (SIP) for the 3rd-Generation Partnership Project (3GPP)
RFC 3581	An Extension to the Session Initiation Protocol (SIP) for Symmetric Response Routing
RFC 3608	Session Initiation Protocol (SIP) Extension Header Field for Service Route Discovery During Registration
RFC 3891	The Session Initiation Protocol (SIP) Replaces" Header"
RFC 3911	The Session Initiation Protocol (SIP) Join" Header"
RFC 3966	The tel URI for Telephone Numbers
RFC 4320	Actions Addressing Identified Issues with the Session Initiation Protocol's (SIP) Non-INVITE Transaction
RFC 3551	RTP Profile for Audio and Video Conferences
RFC 3556	Session Description Protocol (SDP) Bandwidth Modifiers for RTP Control Protocol (RTCP) Bandwidth
draft-khartabil-simple-im-report	Instant Message Delivery and Read Receipts

Supported Platforms

Built for portability, the SIP Basis Embeddable User Agent can run on your choice of platform. Currently supported are:

Windows 2000, XP

Windows Mobile/CE

Linux, Embedded Linux

OS X

BREW

Support and Customization

Estacado Systems offers complete standard and expanded support options to meet your development and deployment needs.

The Estacado SIP Basis Embeddable User Agent is modular with licensing for the full library as well as à la carte and source licenses.

Estacado Systems engineers helped to create SIP and continue to help shape its future. Tap our expertise to make your user agent exactly what it needs to be with Estacado Systems consulting and custom development services.

For More Information

To find out more about how the Estacado SIP Basis Embeddable User Agent will enable your SIP application, contact us at:

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We know the technology because we helped create it

www.estacado.net

