

SIP Resources

Other Resource Lists on SIP

The iLabs team has some additional resources available at Opus One's web page (including copies of all these white papers) at <http://www.opus1.com/sip/>

Columbia's Computer Science department maintains an extensive list of SIP resources at <http://www.cs.columbia.edu/sip/>

General overviews of what SIP is all about

The iptel.org 180+ page SIP tutorial is outstanding: <http://www.ipitel.org/sip/>

A bit more market-oriented and nearly as long:

http://voip.internet2.edu/meetings/slides/200310/SIP_Express_Router.pdf

A short technical introduction: http://iptel.org/ser/doc/sip_intro/sip_introduction.html

A short non-technical introduction: <http://www.sipcenter.com/aboutsip/whatissip.html>

White paper on the SIP value proposition over telephony, "SIP and the new network communications model" (from Nortel Networks): <http://tinyurl.com/29n6d>

Doug Moeller's full-day VOIP tutorial, including SIP, to help you with telephony terms: http://www.dmoeller.com/voipday/voip_days.zip

Internet2 SIP Initiative

The Internet2 SIP.edu initiative seeks to promote the convergence of voice and email identities, grow SIP reachability within Internet2, and encourage experimentation with new enterprise SIP services. A lot of SIP is "happening" there (<http://voip.internet2.edu/SIP.edu/>) and some of the information is especially appropriate to very large deployments.

Initiative Overview: <http://voip.internet2.edu/SIP.edu/docs/sip.edu-whitepaper1.pdf>

SIP.edu in a Nutshell: <http://voip.internet2.edu/SIP.edu/talks/20031014-sip.edu.pdf>

How SIP uses DNS

Most enterprises will want to integrate their SIP networks with DNS to facilitate interoperability and mixing of devices and servers. The SIP.edu project has a good tutorial on how to use DNS to locate SIP services within a network at <http://mit.edu/sip/sip.edu/dns.shtml>

ENUM (see our white paper on "ENUM") helps to link SIP VoIP networks with the PSTN using DNS. The ENUM Forum (<http://www.enumf.org/>) is an industry group concerned with ENUM and its use internationally. An ENUM tutorial is available from the ENUM Forum: <http://tinyurl.com/34guw>

ENUM.ORG is the home of ENUM in the US (North America, really): <http://www.enum.org/>

SIP RFCS And Drafts

The SIP RFCs and related Internet drafts are available at several sites. An especially nicely organized set is at: <http://www.ipitel.org/ietf/>.

The IETF SIP Working Group has its homepage at <http://www.ietf.org/html.charters/sip-charter.html> while a frequently-updated working group information page is at <http://www.softarmor.com/sipwg/>

Do It Yourself Help

“IP Telephony Cookbook” is a great reference on deploying VoIP: <http://tinyurl.com/2botj>

Free World Dialup is an international, free, SIP network: <http://fwd.pulver.com/>

Brix Networks provides a free, self-service, VoIP quality testing portal---TestYourVoIP.com---that enables users to independently measure the quality of their VoIP connections.

Commercial SIP and Vendor Forums

Center for commercial SIP development: <http://www.sipcenter.com/>

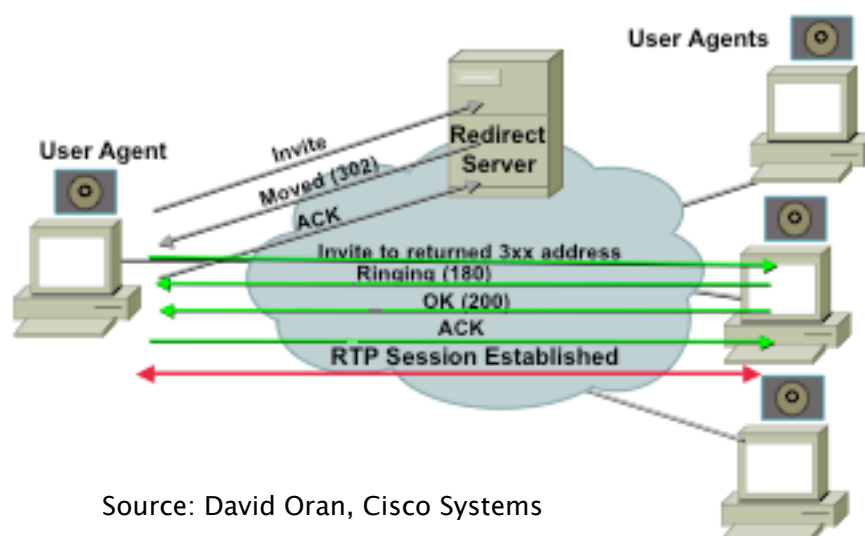
The SIP vendor forum, including good product listings: <http://www.sipforum.com/>

SIP Products: <http://www.iptel.org/info/products/>

Vendors appearing in the iLabs Voice Over IP Using SIP booth

AudioCodes	www.audiocodes.com
Avaya	www.avaya.com
Cisco Systems, Inc.	www.cisco.com
ClearSight Networks Inc.	www.clearsight.com
Digium	www.digium.com
D-Link	www.dlink.com
Free World Dialup	www.freeworlddialup.com
Grandstream	www.grandstream.com
Intetex	www.intetex.com
ipDialog, Inc.	www.ipdialog.com
iptel.org Services	www.iptel.org
Multi-Tech Systems	www.multitech.com
Nortel Networks	www.nortel.com
Pingtel	www.pingtel.com
Polycom, Inc .	www.polycom.com
Pulver Innovations	www.pulver.com
Siemens	www.siemens.com
snom technology AG	www.snom.com
3COM	www.3com.com
WildPackets, Inc.	www.wildpackets.com
Xten	www.xten.com

SIP Call Flow with Redirect



Source: David Oran, Cisco Systems