

SIP Trunking Interoperability

Sun A, Wednesday, 2:30-3:30pm

Russell Bennett

UC Insights

Moderator: Russell Bennett

Principal, UC Insights



- UC Insights is a analysis, consulting and market research firm that specializes in unified communications.
- UC relevant experience includes over 10 years as a Product Manager at:
 - dynamicsoft, Inc. (now part of Cisco Systems)
 - Avaya, Inc.
 - Microsoft Corporation (Lync Group)
- Established SIP Trunking Interoperability Program at Microsoft and participated in SIPconnect v1.1

Session Goals:

- Establish what progress has been made in SIP Trunking interoperability over the last year
- Discuss the impediments/drivers to SIP Trunking interop
- Discover what is being done by vendors to facilitate pain-free connectivity of UC systems and PSTN networks
- Discuss future prospects for SIP Trunking interop

Session scope:

- Includes:
 - The connection of enterprise networks and service provider networks for VoIP origination and termination
 - Access of enterprise IP voice systems to/from PSTN & mobile telephony networks
 - ‘SIP Trunk Peering’ between service provider networks
- Excludes:
 - Addressing via any other means than e.164 numbers
 - Non-voice modalities:
 - Presence, IM, Video, Data collaboration

Panelists:

- **Jim Donovan**

- Vice President, Product Management, Acme Packet



- **Neil Griffiths**

- Senior Director, Product Management, Intelepeer



- **Alan Percy**

- Senior Director of Strategic Marketing for North America, AudioCodes



- **David Tipping**

- Vice President and General Manager, SBC Business, Sonus Networks



SIP Trunking Interoperability – Definition:

- A generally agreed standard set of signaling, transport and media interfaces that enable the connection of voice networks with minimum configuration and without the need for intermediating network elements.
- An interoperability test program to verify SIP Trunking connectivity

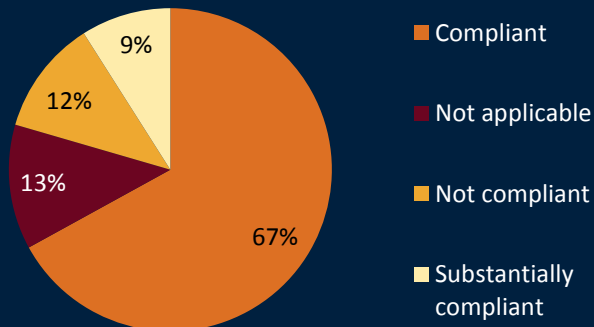
Overview of SIP Trunking and Interoperability

- SIP Trunking has been in use for 5+ years as an alternative to PRI Trunks
- SIP Trunking is generally supported by vendors and service providers:
 - All seem to have their own implementation preferences:
 - Signaling
 - Authentication and Encryption
 - Provisioning and discovery
 - Codecs
 - A 'straw poll' of vendor configuration guides for the AT&T IP Flexible Reach service: between 20 and 118 pages...

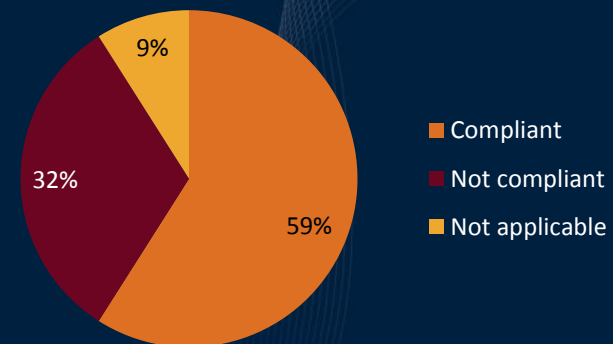
SIPconnect

- SIP Forum started work on this interoperability profile in 2006
 - Second version - SIPConnect v1.1 - ratified in 2011
 - Generally supported by enterprise UC vendors, but not by service providers
 - Initially a voluntary self-certification compliance program
- SIP Forum survey on SIPconnect v1.0 compliance:

IETF RFC compliance



Overall compliance



And yet...

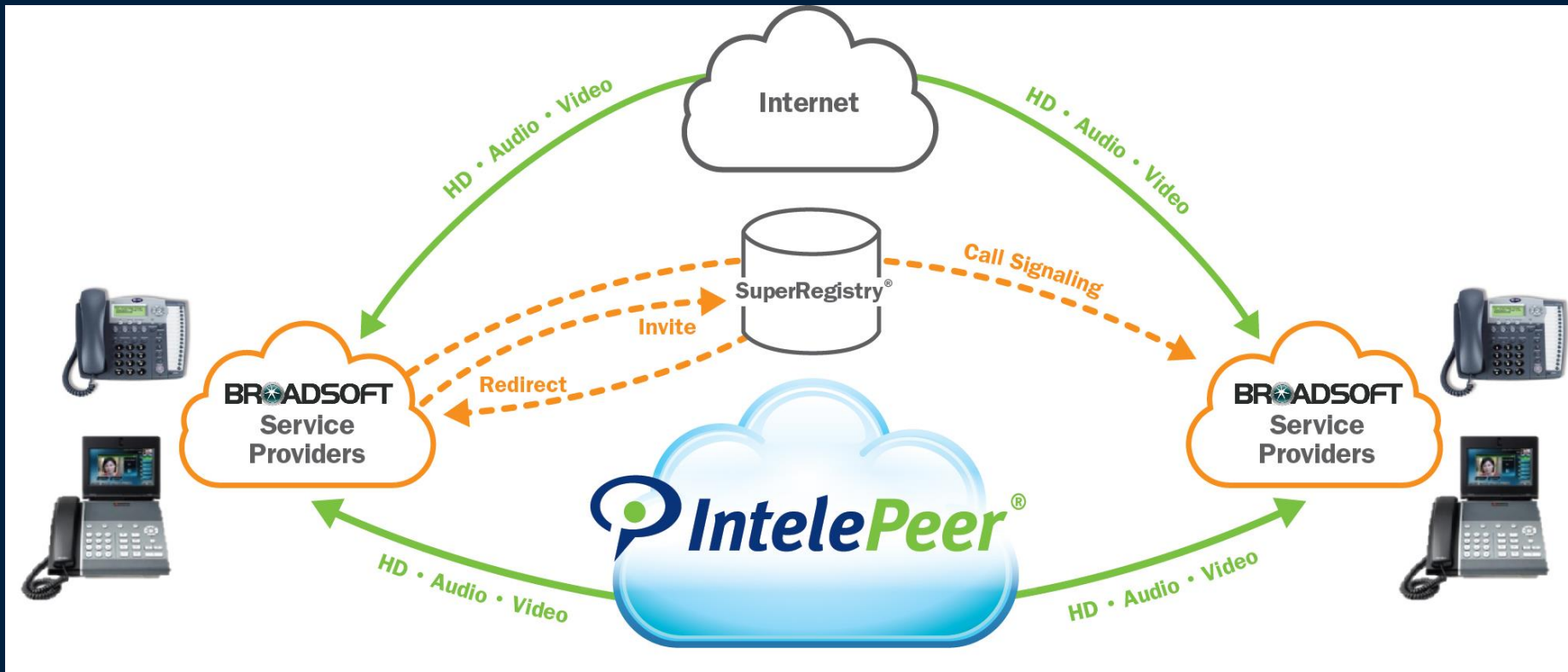
- SIP Trunking is a growth business
- 'Connect and forget' model arguably makes interop irrelevant

Two key events over last 12 months provide cause for hope:

SIPConnect Interoperability Certification Task Group

- Formed May 2012
- Initial test plans submitted by:
 - University of New Hampshire InterOperability Lab
 - CableLabs – cable industry R&D consortium
- Test plans unified into single test plan in September, 2012
- Test tool created by CableLabs
- Interop test event, SIPconnect-IT, held at UNH-IOL
 - First event: December, 2012
 - Report pending
 - Next event: May 6th, 2013

Creation of Fluent™ Service by Intelepeer & BroadSoft



Panel Session

Feel free to write questions for the panel during the session and hand them to the Session Monitor on the floor

Questions

- Have interoperability issues slowed the deployment of SIP Trunking? What are those issues and how close are these to being resolved?
- Are some carriers more committed to interoperability than others? Does it matter?
- Have SIPConnect v1.1 & SIPconnect-IT contributed to interoperability?
- Tell us about Fluent? What has been the uptake by carriers?
- ENUM directories could have been implemented 10 years ago: why weren't they?
- Will 'SIP peering' make SIP Trunking take off?

Thank You...!

Audience Q & A