SIP - STATE OF THE UNION

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AGENDA

- SIP A Crash Course
- SIP in the Real World
- Current Work in Standardization
- SIP and P2P
- Summary

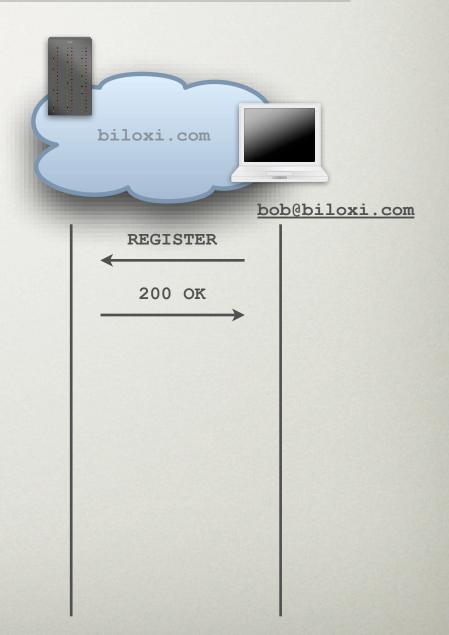


SIP A CRASH COURSE

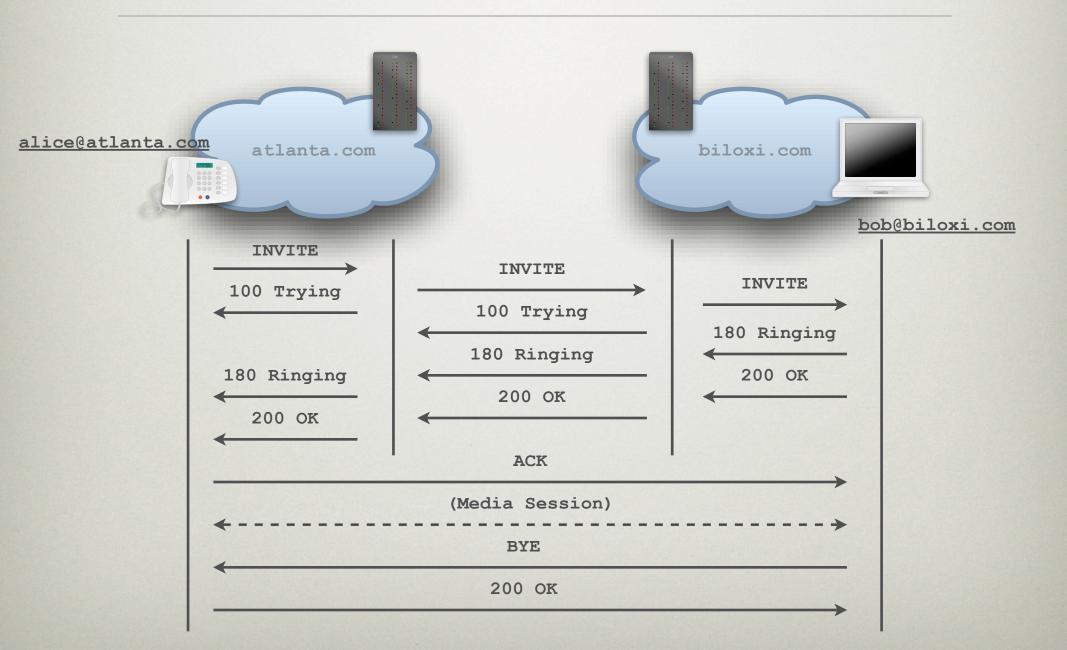
FUNCTIONAL OVERVIEW

- User Location
- User Availability
- User Capabilities
- Session Setup
- Session Management

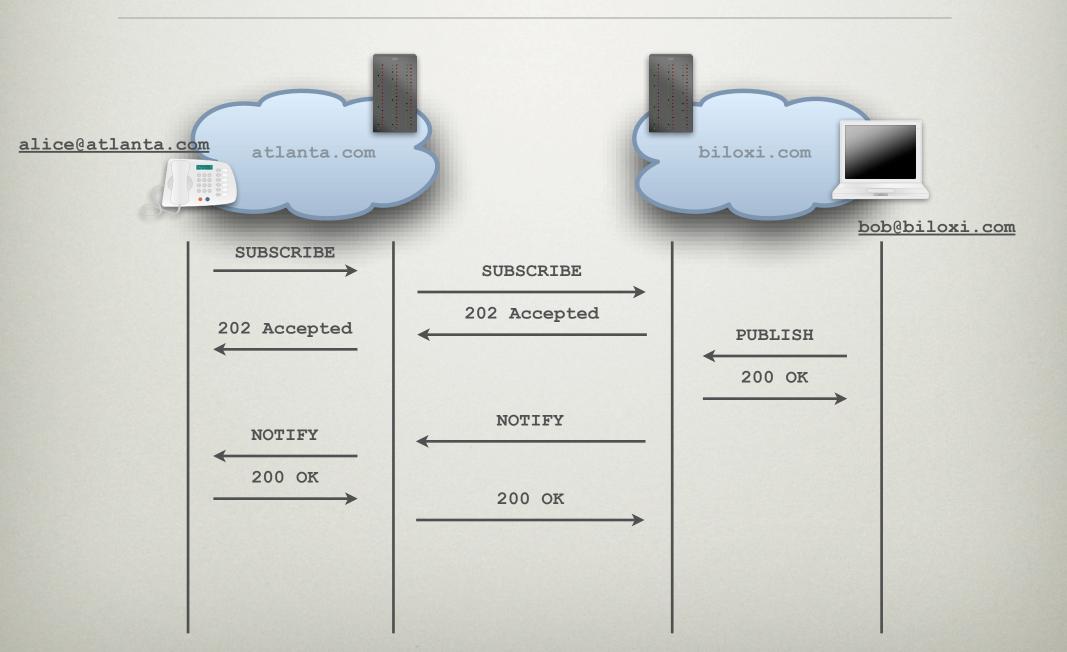
REGISTRATION



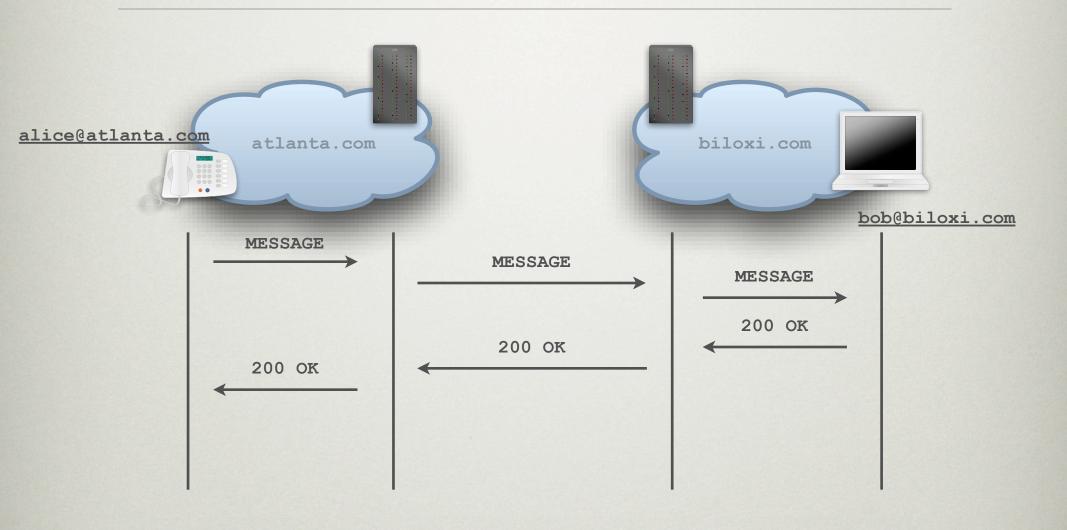
SESSION MANAGEMENT

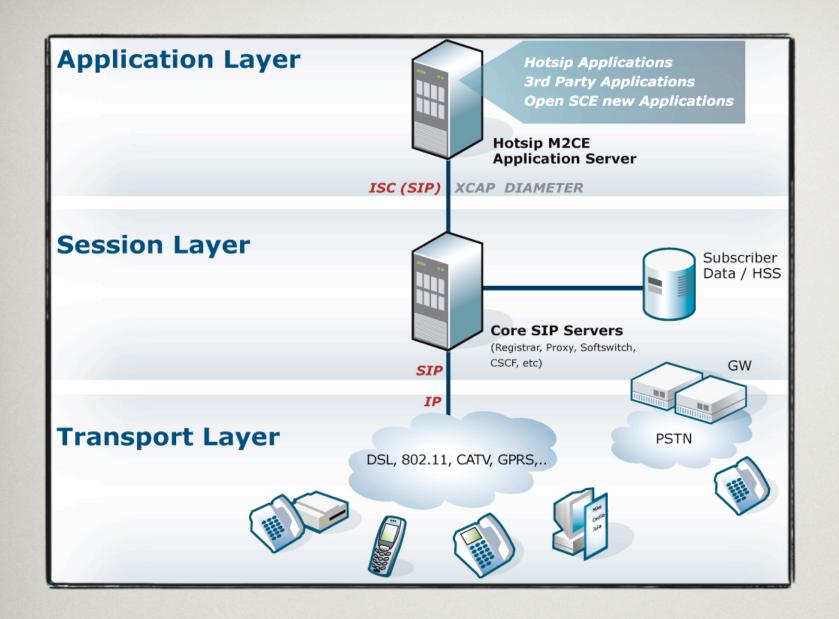


PRESENCE



INSTANT MESSAGING





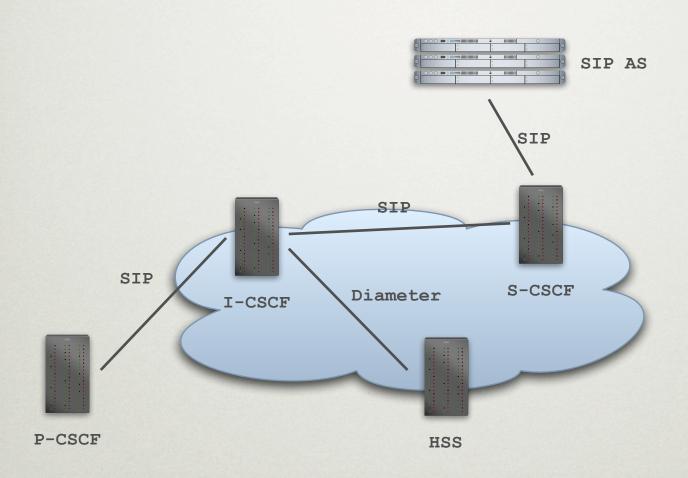
SIP NETWORK ARCHITECTURE



STANDARDIZATION

IETF 3GPP/3GPP2 ETSI

3G/IMS OVERVIEW



CURRENT WORK IN STANDARDIZATION

- Emergency Services
- Identity
- Conferencing
- Session Based IM
- NAT/FW Traversal
- Usage Scenarios
- SPAM Prevention
- Extended Presence



SIP AND P2P

- Early work within the IETF
- A lot of interest
- SIP on top of P2P or P2P on top of SIP?
- Less need for server infrastructure
- What about services?



SUMMARY

SIP ADVANTAGES

- Simple, text based protocol
- Open and widely accepted
- Flexible and extendible
- Builds on previous work, such as DNS
- Standard security model based on TLS and S/MIME
- Supports voice, video, IM, presence, etc

CURRENT STATE

- SIP is already being deployed
 - End-user services (VoIP)
 - Backbone
- VoIP services work (and have for a long time)
- Now working on advanced services, e.g. conferencing



THANK YOU

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