

# SIP Identity using Media Path

draft-wing-sip-identity-media-01

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# IPR Notice

- Cisco has claimed IPR on this technique

<http://www1.ietf.org/ietf/IPR/cisco-ipr-draft-wing-sip-identity-media-00.txt>

# Motivation: SBCs Break SIP-Identity (RFC4474) Signatures

- RFC4474 signs the SIP body
  - including SDP
- SBCs rewrite SDP (m=/c= lines)

## Requirement

- Identity should survive rewriting of SDP

# Retaining Identity

- SIP-Identity-Media retains the originating domain's signature

SIP-Identity-Media

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SIP-Identity (RFC4474)

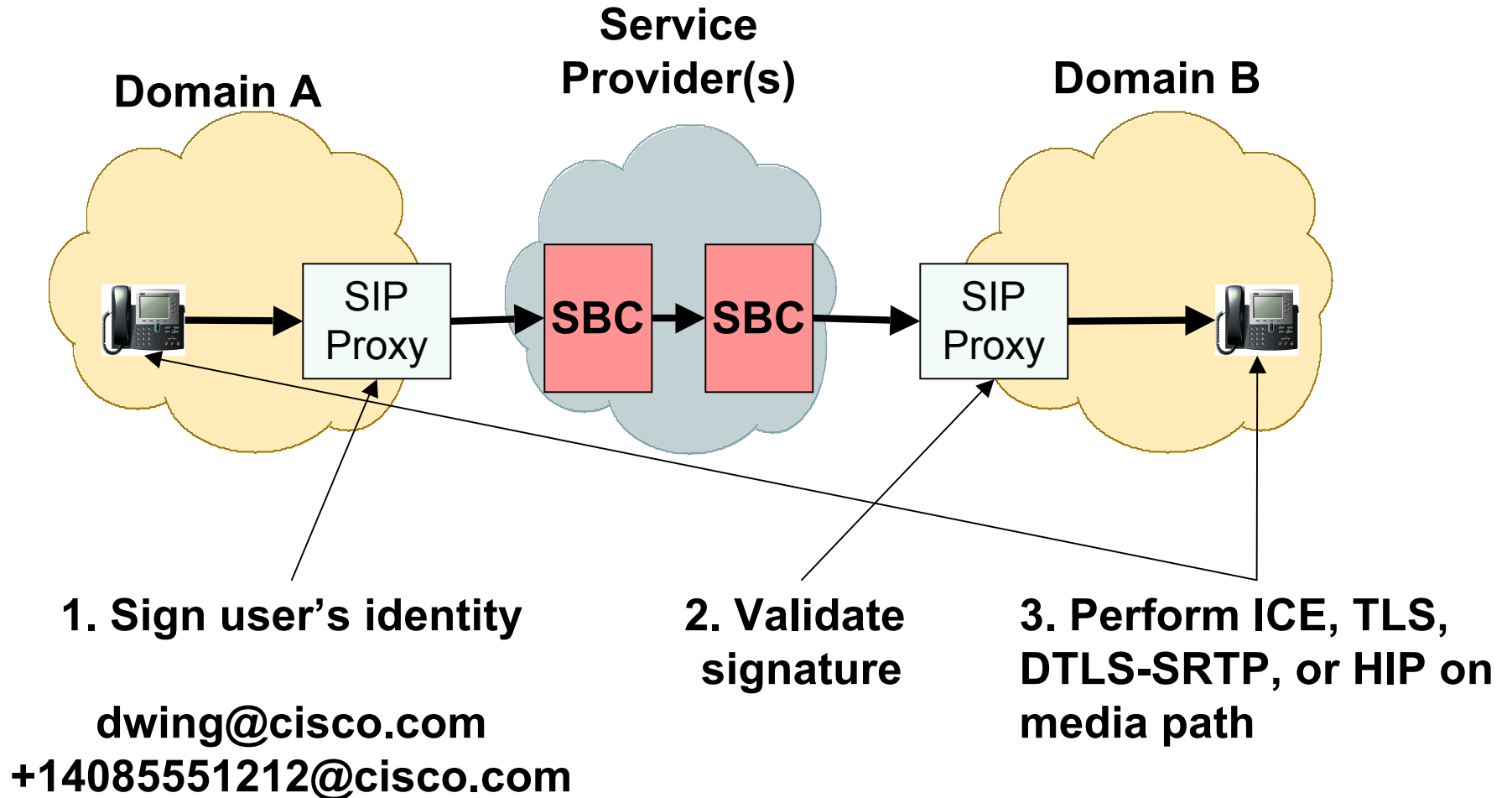
dwing%cisco.com@sp1.example.com

+14085255314@sp1.example.net

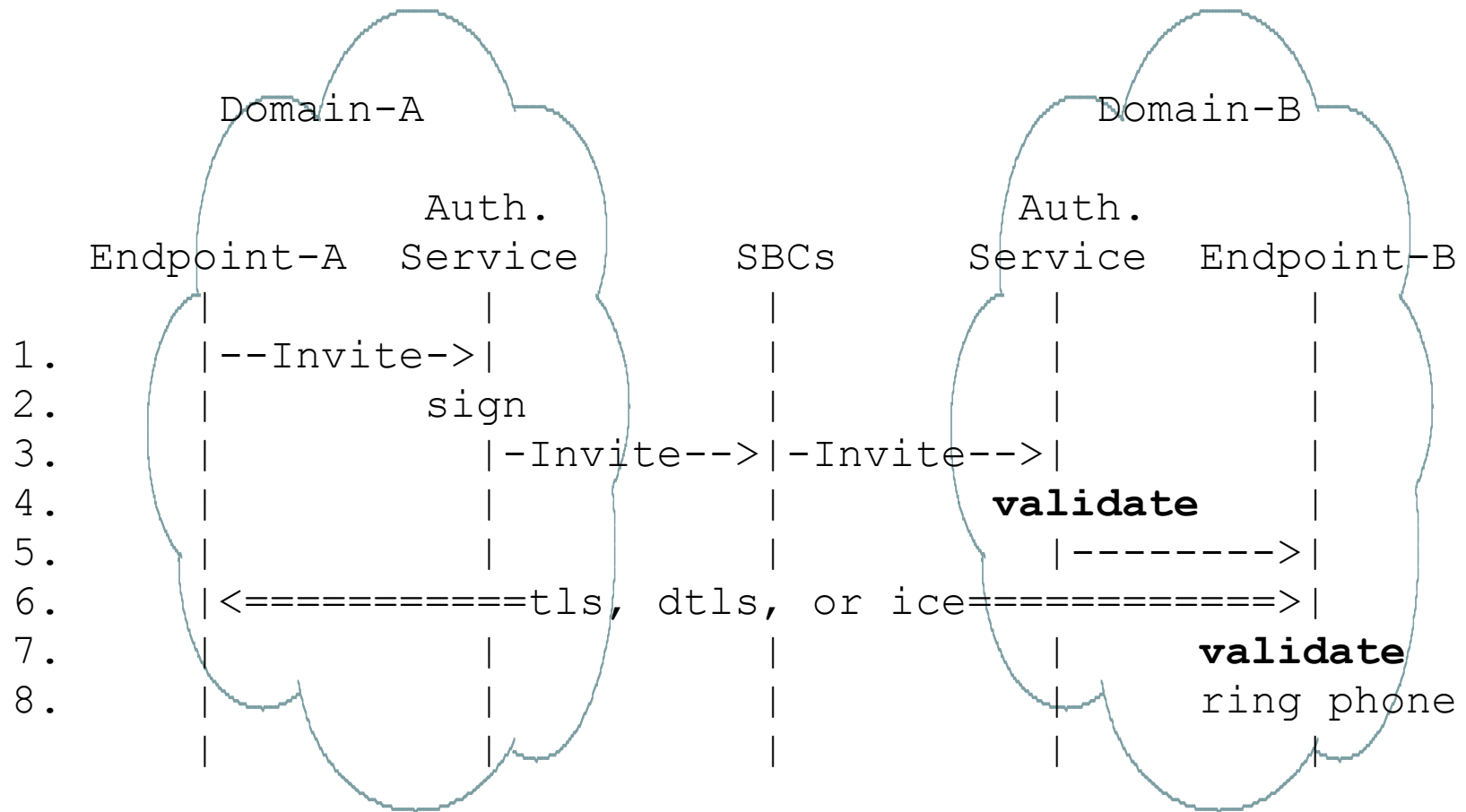
+14085255314@sp2.example.net

- Works with SBCs that modify SDP

# Diagram of Operation



# Call Flow



# Questions

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# Backup Slides



# Technical Differences from SIP-Identity (RFC4474)

- Replay protection requires running ICE (with extension), DTLS-SRTP, TLS, or HIP
  - On endpoint or domain-operated SBC
  - Firewalls or SBCs may block media path until ‘200 Ok’
- Avoids public key operations for intermediate domains (service providers)
- Endpoint does a public key operation
  - Might already be doing it (DTLS-SRTP, HIP)