Agenda

• The ASAP Solution
• Charter
• Roadmap
ASAP High-Level Overview

1. Capability Server Discovered or Manually Configured
2. HTTPS GET (Capability Set Request)
3. HTTPS Response (Capability Set)***
4. Parse Capability Set & Configure Trunk

*** Body encoded in XML or JSON
Example Capability Set

```xml
<peering-info xmlns="urn:ietf:params:xml:ns:yang:ietf-peering"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    <variant>1.0</variant>
    <transport-info>
        <transport>TCP;TLS;UDP</transport>
        <registrar>registrar1.voip.example.com:5060</registrar>
        <registrar>registrar2.voip.example.com:5060</registrar>
        <callControl>callserver1.voip.example.com:5060</callControl>
        <callControl>192.168.12.25:5065</callControl>
        <dnss>8.8.8.8</dnss>
        <dnss>208.67.222.222</dnss>
        <outboundProxy>0.0.0.0</outboundProxy>
    </transport-info>
    <call-specs>
        <call-signaling>true</call-signaling>
        <call-earlyMedia>true</call-earlyMedia>
        <call-earlySignaling>false</call-earlySignaling>
        <call-supportedMethods>INVITE;OPTIONS;BYE;CANCEL;ACK;PRACK;SUBSCRIBE;NOTIFY;REGISTER</call-supportedMethods>
    </call-specs>
    <media>
        <mediaTypeAudio>
            <mediaFormat>PCMU;rate=8000;ptime=20</mediaFormat>
            <mediaFormat>G729;rate=8000;annexb=yes</mediaFormat>
            <mediaFormat>G722;rate=8000;bitrate=56k,64k</mediaFormat>
        </mediaTypeAudio>
        <fax>
            <protocol>pass-through</protocol>
            <protocol>T38</protocol>
        </fax>
        <rtcp>
            <RTPTrigger>true</RTPTrigger>
            <symmetricRTP>true</symmetricRTP>
        </rtcp>
        <rtcp>
            <symmetricRTP>true</symmetricRTP>
            <rtcpFeedback>true</rtcpFeedback>
        </rtcp>
    </media>
    <dtmf>
        <payloadNumber>101</payloadNumber>
        <iteration>0</iteration>
    </dtmf>
    <security>
        <signaling>
            <type>TLS</type>
            <version>1.0</version>
        </signaling>
        <mediaSecurity>
            <keyManagement>SDES;DTLS-SRTP,version=1.2</keyManagement>
        </mediaSecurity>
    </security>
    <extensions>
        <timer>re100;gin;path</timer>
    </extensions>
</peering-info>
```
Charter

- Idea was presented @ IETF 106. Discussion favorable towards progressing the work. ADs leaned towards creation of a mini-WG.

- Charter was published to the wider forum. Comments were addressed
  - To determine if use cases should be documented in main draft
  - Scope of the deployment
  - Discovery of the capability server on the service provider side

- Modified charter with comments addressed has also been published to the wider forum.
Road Ahead

• Capability set defined is representative of most problems faced by administrators during deployment of enterprise SBCs. Open to adding more parameters based on further discussions.

• 70% of the work is complete. Items left in the bucket:
  1. Define the discovery process
  2. Formalize the parameters in the capability set.
Thank You
Magnitude Of Problem

• A total of 6000 support cases opened with Cisco last year for its Enterprise SBC, CUBE.

• 22% of these cases were directly related to ITSP interoperability.

• Multiply this by the number of enterprise SBC vendors to get a rough estimate of the magnitude of the problem.

• Still a significant number of enterprise networks are yet to migrate from TDM/Analog to SIP trunking...the problem isn’t going away anytime soon...