



SNEAK PEEK

Cisco Community Meet the Authors

Leveraging SBCs to Empower a Changing World of Collaboration

February 16th, 2021

with Steve Holl, Gonzalo Salgueiro, Kaustubh Inamdar, Arun Arunachalam
& Kyzer Davis

Register Now: <https://bit.ly/MApilot-feb2021>

Interact with the experts in real time, learn more about their story and the story behind their publications.



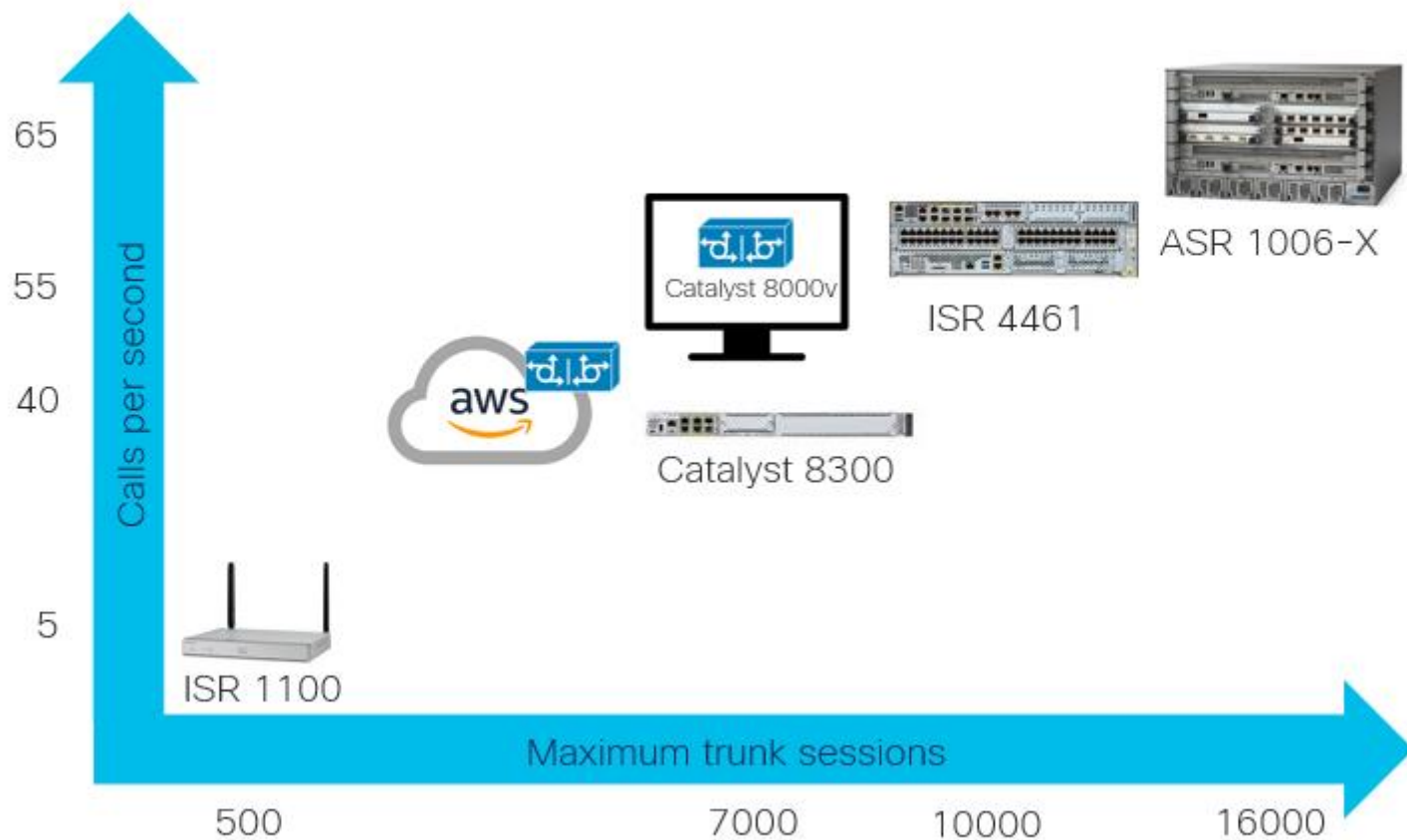
Win a free signed copy of his book

During the session, we will select two winners who will receive a signed copy of the book..

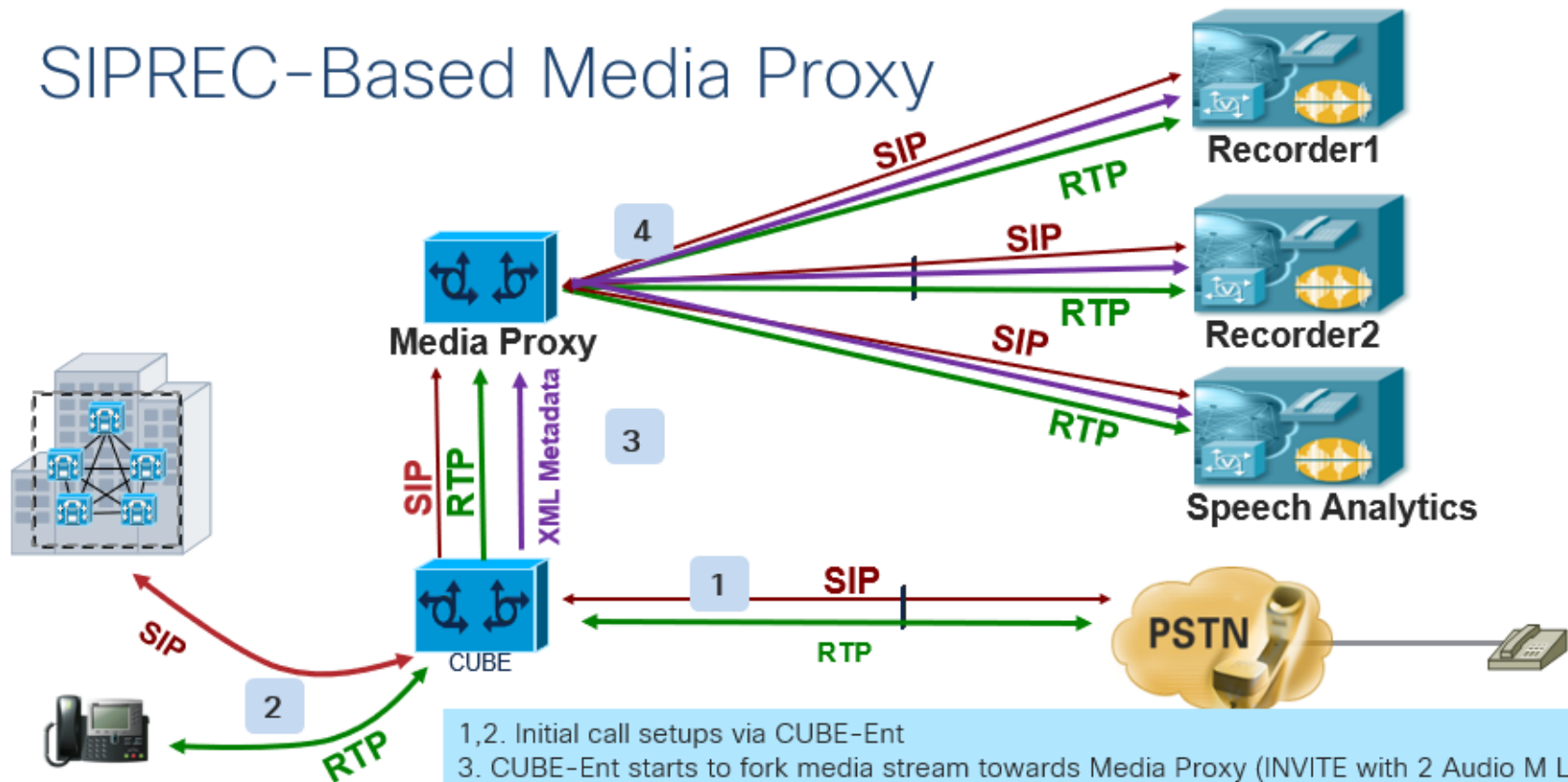
Don't miss out this opportunity!

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New CUBE Platforms



SIPREC-Based Media Proxy



- 1,2. Initial call setups via CUBE-Ent
3. CUBE-Ent starts to fork media stream towards Media Proxy (INVITE with 2 Audio M Lines + XML Metadata)
4. Media Proxy accepts incoming SIPREC request from CUBE Ent and initiates an INVITE (2 Audio M Lines + XML Metadata) towards the Primary recorder - Recorder 1 above
Once a successful session with the Primary recorder has been established, MediaProxy sends an INVITE towards the rest of the recorders.

VoIP Trace Enables Always-on Logging Functionality

Analyze the issue right away
without having to enable debug and wait for the issue to reoccur

Enabled by default!

```
voice service voip  
trace  
memory-limit <MB>
```

Commands to clear the VoIP Trace buffers

```
voice service voip  
no trace  
trace
```

Best Practice

Create a log with both configuration and trace outputs

Method 1:
term len 0
show version
show run
show voip trace all

Method 2:
EEM Applet

Password Encryption Changes - 16.11.1a+

- Dial-peer, SIP-UA, Tenants, and STUN authentication credentials/shared secrets will use the new Secure reversible encryption Type 6 AES format password

```
CUBE # conf t
CUBE(config)# key config-key password-encrypt Password123
CUBE(config)# password encryption aes
```

- If master key is not pre-configured, there will be an error shown when the password is configured like in the example below

```
CUBE(config-sip-ua)# authentication username cisco password 0 myPassword123

Failed type 6 encryption on password
```

- If password type 0 is used, it will be stored as type 6 AES encrypted password in configuration.

```
CUBE #show run | include credentials
credentials number 123456789 username cisco_LGU password 6 myPassword realm myRealm
```

Automatic SIP Trunking & Peering



Bringing up service provider facing SIP trunks is a long process that could take several hours... sometimes days...

- Administrators usually uncover a significant number of problems when attempting to setup SIP trunking.
- Bringing up a SIP trunk often requires interaction with support teams.
- Deployment times increase significantly due to interoperability problems.

Check out some additional information about Cisco Collaboration sessions on the Cisco Community or Cisco.com

Cisco Unified Border Element Version 14 Data Sheet

<https://www.cisco.com/c/en/us/products/collateral/unified-communications/unified-border-element/data-sheet-c78-729692.html>

CCNP Collaboration Call Control and Mobility CLACCM 300-815 Official Cert Guide

<https://www.ciscopress.com/store/ccnp-collaboration-call-control-and-mobility-claccm-9780136591160>

If you are not yet a registered user on the community, [Click here](#) to register and become an active participant on the community.



Hope you enjoyed this little peek into the event.
Remember it was just a peek. On February 16th you get a chance to see the whole thing.



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At the session you will be able to learn so much more and get a chance to submit questions for the expert to answer during the event.
We'll see you there!