iNetLink
TECHNOLOGIES

INT NETLINK's Past Projects

Cisco Telepresence Solution

Afghanistan

Imagine quickly bringing in resources for last-minute support, strengthening key relationships with regular global meetings, or extending your personal reach without ever leaving your office. The Cisco TelePresence System (CTS) is an innovative technology that combines rich spatial audio, ultra high-definition video, and groundbreaking interactive elements to deliver a unique, in-person experience over your IP network. The CTS can create a live, face-to-face meeting experience over your network that significantly reduces customers travel costs and carbon footprint, improves employee productivity and quality of life, and connects your team members to the important people, places, and events in their personal and professional lives.
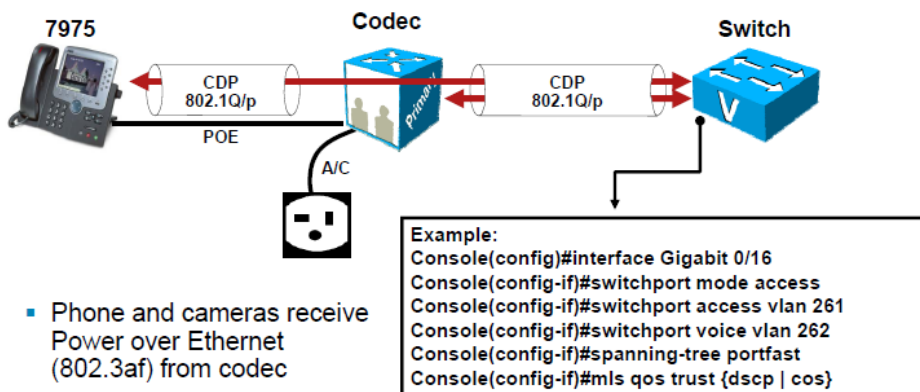
Like other integrated components in the Cisco IP Next-Generation Network (NGN) design, the CTS can leverage customer's existing network, along with Cisco Unified Communications services to deliver the reliability, resiliency, and security you expect from our products, without costly system upgrades. With CTS, joining an international meeting is as simple as placing a phone call.

Only Cisco and our partners can combine these elements to create a live, in-person meeting experience that lets your employees interact and collaborate like never before, boosting productivity and business transformation, while creating a truly competitive advantage.

The CTS is designed to be a completely different meeting experience, taking interaction and collaboration to an entirely new level. Because it feels like everyone is in the same room, remote interactions are as natural and effective as in-person communication, facilitating information sharing throughout your organization and influencing your top and bottom lines.
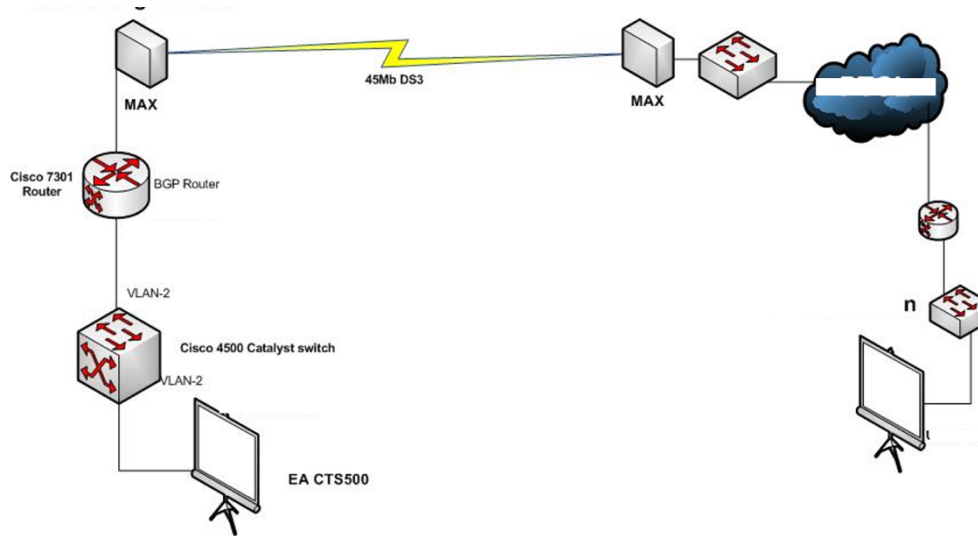
Network Connectivity

- Phone and Primary Codec both reside on the Voice VLAN
- Primary Codec passes CDP and 802.1Q/p between the phone and network.
- Switch sees two CDP Neighbors.
- Switch QoS trust is extended through the codec to the phone

7975

Codec

Switch

CDP
802.1Q/p

POE

CDP
802.1Q/p

A/C

- Phone and cameras receive Power over Ethernet (802.3af) from codec

Example:
Console(config)#interface Gigabit 0/16
Console(config-if)#switchport mode access
Console(config-if)#switchport access vlan 261
Console(config-if)#switchport voice vlan 262
Console(config-if)#spanning-tree portfast
Console(config-if)#mls qos trust {dscp | cos}

GSM Provider CTS Setup Logical Diagram

Cisco TelePresence 500

Cisco TelePresence systems combine life-size, ultra-high-definition video (1080p), spatial audio, a specially designed environment, and interactive elements to create the feeling of being "in person" with participants in remote locations. This simple, easy-to-use solution allows you and other participants to communicate naturally and effectively.

Cisco Telepresence Multi Conference Bridge

The Cisco TelePresence® Multipoint Switch (Multipoint Switch) allows geographically dispersed organizations to hold Cisco TelePresence meetings across multiple locations reliably and easily. With support for up to 90 screens in a single meeting across a mix of endpoints, the switch allows all participants to be seen in life-like, high-definition video and heard in CD-quality, spatial audio combined with the industry's lowest latency.

Cisco TelePresence Manager

In addition to the system hardware, the CTS includes a suite of software solutions. The Cisco TelePresence Manager (CTM) is a separate application that operates on an

MCS server, capable of supporting hundreds of CTS endpoints.