

## Network Infrastructure

- VLANs – Voice & Data Vlans
- DHCP for Sites – HQ, Site B and Site C
- NTP for Sites – HQ, SiteB, SiteC
- CDP / LLDP-MED

## Cisco Unified Communications Manager

- Phones Registration with Sub/Pub Redundancy
- SIP Phones Registration with HQ Sub/Pub Redundancy
- MGCP Gateway
- H323 Gateway
- SIP Gateway
- CUCM SIP Trunks – Intersite SIP Trunk using CUBE: HQ & Site B
- Codec Negotiation
- DialPlan for HQ Site
- Class of Service for HQ Site
- Dial Plan for HQ Site (using single Route Pattern)
- DialPlan for Site B
- PLUS (+) Dialing For Site B
- PLUS (+) Dialing For HQ Site
- Mobile Connect: Single Number Reach for Site B Phone1 & HQ Phone1
- CUCM Features – Call Park & Directed Call Park
- CUCM Features – Call Pickup
- CUCM Features – Speed Dial
- CUCM Features – Meet-Me
- CUCM Features – Hunting
- SRST & MGCP Fallback for HQ Site
- SRST for Site B
- HQ SIP Trunk to PSTN
- URI IntraCluster & InterCluster Dialing
- LDAP Synchronization
- LDAP Authentication
- Mobile Voice Access (MVA)
- Extension Mobility
- Extension Mobility Cross Cluster
- Enhanced Location Call Admission Control using RSVP
- Automated Alternate Routing (AAR)
- Call Control Discovery over Service Advertisement Framework (CCD/SAF)
- Call Control Discovery over Service Advertisement Framework (CCD/SAF) - BLOCKING
- Hunt Group with Queuing
- CUCM Troubleshooting

## Cisco IOS UC Applications & Features

- SCCP (Skinny) Phones Registration (TELEPHONY-SERVICE)
- CUCME SIP Phones Registration (VOICE REGISTER GLOBAL)
- IOS DialPlan
- Call Forward Unregistered (CFUR)
- SiteC Intrasite & Intersite Calling with HQ & SiteB
- CUCME Media Resources - Conference Ad-Hoc
- CUCME Conference Meet-Me
- Site C CUCME Features - Single Number Reach for SCCP Phone
- Site C CME Features - Call Park/Hunting
- Video Conferencing

- CME Fast Dials/Speed Dials & Local Directory
- Cisco Unity Express Initialization
- Cisco Unity Express CME Integration Using SIP Protocol

#### Unity Connection

- Cisco Unity Connection Integration with HQ Cluster using Skinny
- Cisco Unity Connection Integration with Site B using SIP Protocol
- Configuring Users for VoiceMail Boxes in Cisco Unity Connection
- Configuring Users for VoiceMail Boxes in Cisco Unity Connection for Site B
- InterSite VoiceMail between HQ/SiteB/SiteC
- Unity Connection HQ MWI Restrictions

#### UCCX (Unified Contact Center Express)

- Integration on UCCX with CallManager
- UCCX Custom Scripting

#### Instant Messaging & Presence (IM&P)

- IM&P Server Integration
- Jabber Registration with Desktop Sharing
- IM&P Federation

#### Quality of Services (QoS)

- Classification & Mapping Switch Cos to Dscp Mapping
- QoS Congestion Management Switch Traffic Marking & Policing  
Switch Queue and Buffer Assignment