

IP Telephony Essentials

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This one day seminar focuses on The Best Practice and Critical Success Factors for running IP Telephony on your network. Voice over IP (VoIP) is a new technology. In order to be able to install the system successfully, professionals need to have a fundamental understanding about IP Telephony in general and what it takes to successfully install IP Telephony in you network.

Course Outline

- IP Telephony/ VoIP Vision
- Impact on Projects
- Business Drivers & Trends
- Potential Benefits
- VoIP Applications
- Planning
- CODEC Selection
- Call Admission Control
- Remote Site Survivability
- Convergence VoIP Categories
- Implementing VoIP
- Branch Office Application
- Inter-Office Trunking Application
- Trunking Selection -Traditional PRI or SIP Trunks
- Remote Worker Solutions
- FAX over IP (FoIP)
- Multicast Audio and Video Sessions
- Call Center Applications
- Call Accounting/Call Detail Records (CDR)
- Meet-Me Conferencing
- IP (Ethernet) Phone
- Dual Mode / Wi-Fi Phones
- IP Softphones
- The Cost of a Slow Network
- IP Phones Addressing & Planning Options
- Virtual LANS (VLANs)
- ENUM
- DNS
- QoS
- Expedited Forwarding
- Assured Forwarding
- H.323
- Session Initiation Protocol (SIP)
- Deployment Plans
- Building a Pilot Deployment
- Convergence Troubleshooting
- Power over Ethernet (PoE)