Voice and Wireless Technologies

Leveraging Cisco Voice and Wireless
in the SMB Network

Introduction

- Joshua Wood, MCSE, CCNA, CCDA
  j.wood@epic.ca
- Raj Perumal, MCSE, MCT, CCNA
  r.perumal@epic.ca
- Neil Truncik, CCIE

Target Market

- SMB space
- Ideally this would fit 1 to 150 phones
- Can accommodate up to 250 phones
- Cisco provides scalable solutions when you grow past this market space

VoIP and Wireless

- What is VoIP - VoIP (Voice over Internet Protocol)
- VoIP is a common protocol used in today's IP based networks
- Wireless is a common technology used to extend our IP networks beyond our physically cabled barriers

Leveraging your Wireless Network for VoIP

- VoIP and Wireless go hand in hand
- Cisco offers a wide array of hardware in both markets
- Cisco is a market leader in both VoIP and wireless technologies
- Integrating Cisco VoIP and wireless allows you to have one go-to vendor for support of your solution

Cisco Unified Communications Express Features

- Cost effective solution for small to medium phone systems
- Voice mail can be forwarded to your email system
- Ability to have softphones
- Some UC models provide integrated wireless
- Basic firewall solution is included for security
- GUI driven management

Wireless Benefits

- More options are available with the CUWN solution vs consumer grade wireless
- Lower cost of implementing devices (corded vs cordless)
- Great in warehouse environments where you can leverage Cisco wireless to run your bar code scanners as well as your phones for example
- More mobility within an area
- Rogue Access Point Containment

VoIP Benefits

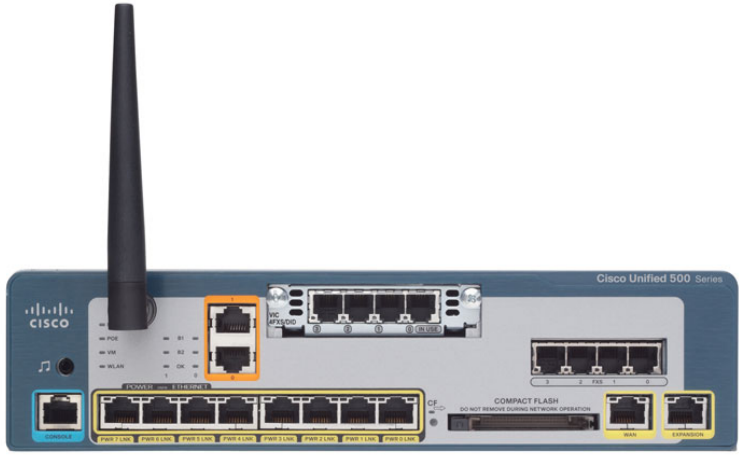
- Higher ROI than traditional phone system
- Softphones – Place and receive calls from your computer
- Single Reach Phone Number
- Unified Messaging - Receive your voicemail in your e-mail inbox

Phone System Solutions

- 1 to 50 phone solution
- 51 to150 phone solution

1 to 50 Phones

- UC 500 series phone system
- Wireless options available
- Provides a scalable phone system with little start up costs



51 – 150 Phones

- Router based solution
- Can scale with your company to provide connectivity for additional phones

Wireless Access Point Management

- Cisco LWAPP controllers provide centralized management of wireless AP's

Location Awareness

- You can track phones and equipment in your organization using a Cisco wireless location appliance
- Phone location history and location tracking is available on some models to assist in locating missing phones

Cisco Business Edition

- For phone systems over 150 phones or that require advanced features
- Provides SRST (Survivable Remote Site Telephony) options for branch offices
- Centralized management of phones and call routing

Questions?

- Raj Perumal – r.perumal@epic.ca
- Joshua Wood – j.wood@epic.ca