

Cisco CallManager Express/Cisco Unity Express

Prerequisites

Requirements

Ensure that you meet these requirements before you attempt this configuration:

- Install the appropriate hardware.
- Download and install appropriate Cisco IOS® software.
- Download Cisco Unified CallManager Express software.
- Download Cisco Unity Express software.

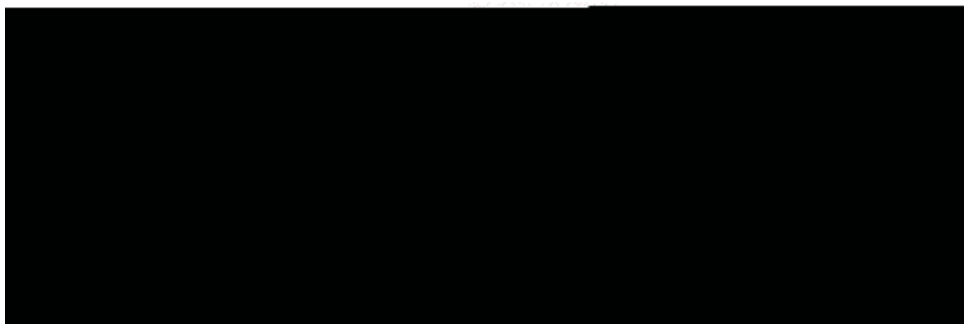
Components Used

The information in this document is based on these software and hardware versions:

- Cisco 3725 Router on Cisco IOS Software Release 12.4(9)T
- Cisco Catalyst 3550 Switch on Cisco IOS Software Release 12.1
- Cisco IP 7960 Phone
- Cisco Unified CallManager Express 4.0
- Cisco Unity Express 2.2.2



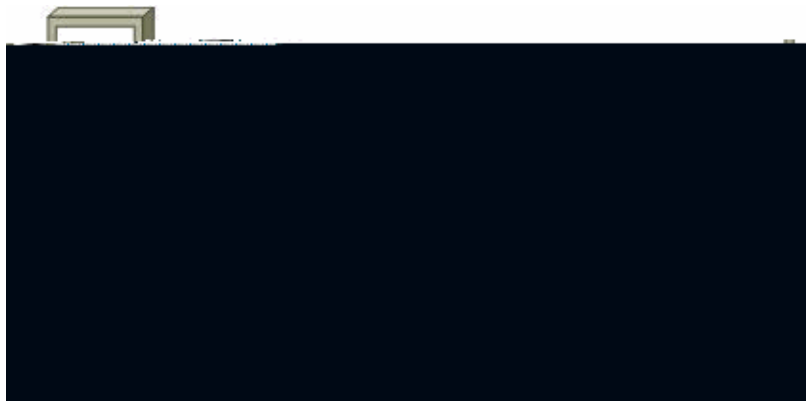
Define a Local DHCP Server



DHCPACK unicast message to the client.

For this configuration you create two local DHCP servers, one for voice and one for data. When you create the two DHCP servers, you have two different subnetworks that facilitate the process of the assignment of the correct address to the client. (For example, you can create a shared pool for voice and a shared pool for data.)

Figure 2 Configure InterVLAN Routing



This shows the configuration required for the router 3725 that uses 802.1Q frame tagging:

1. Enter the command **enable** in order to enter the privileged EXEC mode.

```
Router>enable
```

2. Enter the command **configure terminal** in order to enter the global configuration mode.

```
Router#configuration terminal
```

3. Enter the command **interface fastethernet port** in order to enter the interface configuration mode.

```
Router(config)#interface fastethernet 0/0.1
```

4. Enter the command **encapsulation [dot1q/ISL] id-num native** in order to create the Native VLAN.

```
Router(config-if)#encapsulation dot1q 1 native
```

5. Enter the command **ip address ip-address mask** in order to assign the interface a valid address.

```
Router(config-if)#ip address 172.22.1.154 255.255.255.0
```

6. Enter the command **exit** in order to get out of the configuration of that interface.

```
Router(config-if)#exit
```

- 7) Enter the command **interface fastethernet port.id-num** in order to create and enter the configuration of the Native VLAN interface.

```
Router(config)#interface fastethernet 0/0.100
```

```
Router>enable
```

```
Enter the command 5s 1-tethernet pn order to create and enter the  
confign order to create thvalid address.
```

```
interface fastethernet 0/0.100
```

Enter the command **interface fastethernet port.id-num**
configuration of the Voice subinterface.

```
000/0.100 interface fastethernet 0/0.100  
confign order to create the Native VLAN.
```

```
Router>enable
```

```
Router>enable
```

```
Enter the command  
confign order to create thvalid address.
```

Enter the command **end**



1. Enter the command **enable** in order to enter the privileged EXEC mode.

```
Switch>enable
```

2. Enter the command **configure terminal** in order to enter the global configuration mode.

```
Switch#configure terminal
```

3. Enter the command **vlan vlan-id** in order to create a VLAN on the switch.

```
Switch(config)#vlan 100
```

4. Enter the command **name vlan-name** in order to give a name to the VLAN.

```
Switch(config)#name Voice
```

5. Enter the command **end** in order to finish the configuration.

```
Switch(config)#end
```

Note: Repeat the same procedure in order to create the VLAN for Data.


```
Router(config-telephony)#end
```



```
Router(config-dial-peer)#end
```

Activate IP Connectivity to Cisco Unity Express Software

Now you need to integrate Cisco Unity Express 2.2.2 to Cisco CallManager Express 4.0. In order to do this, you need to create two interfaces so communication between Cisco Unity Express and Cisco Call Manager Express can take place. The first is an interface to the router that hosts Cisco CallManager Express which is

Configure Dial Peers for Cisco CallManager Express Phones to Call Cisco Unity Express Voicemail

A dedicated dial peer is required to facilitate communication between Cisco CallManager Express and Cisco Unity Express. The destination-pattern under the dial peer assigns a set of phone numbers dedicated to applications such as Cisco Unity Express. One thing that you need to consider is that the voicemail number must be within the destination-pattern range of the dial peer, and the ephone-dns must be configured for call forwarding to the voicemail number which triggers the use of the dial peer. The Cisco Unity Express dial peer

2. Enter the command **enable** in order to enter the EXEC mode.

```
se-172-22-1-155>enable
```

3. Enter the command **configure terminal** in order to enter the configuration mode.

```
se-172-22-1-155#configure terminal
```

Enter the command **ccn trigger sip phonenumber number** in order to specify the telephone number that acts as the trigger configuration mode. Cconcssthe2lutheaionatch pho ofas thpate tnsr

9. Enter the command **messagesize seconds** in order to specify the maximum size of an incoming message, in seconds.

```
se-172-22-1-155(config-mailbox)#messagesize 120
```

10. Enter the command **end** in order to finish the mailbox configuration.

```
se-172-22-1-155(config-mailbox)#end
```