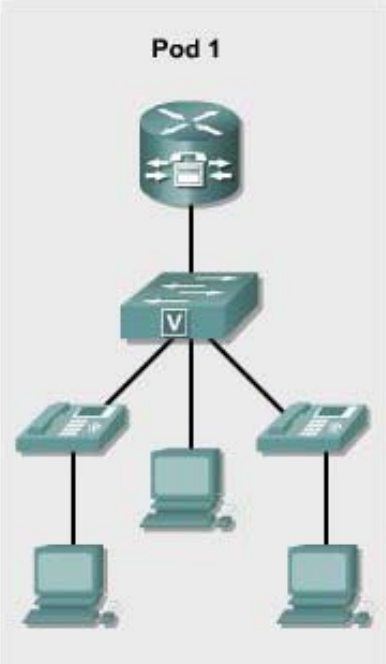
Lab 5.1.6 Customize the IP Phone Display



Objective

- Customize the IP Phone Display

Equipment Requirements

- Cisco CallManager Express (CME) capable router
- Inline power capable switch or non-inline power switch with power injectors
- Workstation with an Ethernet 10/100 NIC installed
- Two Cisco IP phones
- IP Telephony Table 2

This lab relies on labs 2.1.1, 2.1.3, 3.1.1, 5.1.1, and 5.1.3 being successfully completed and loaded.

In this lab the ACME.com Company wishes to customize the IP phones with the Direct Inward Dial (DID) number of the phone, the company name on the display, and a label on the line. Configure the following with IOS commands or by using the GUI.

- Configure the top line of the two IP phones
- Configure the system message on the IP phone using the CLI
- Label the first line on the first IP phone with **my line *X*000** (where ***X*** is the pod number)

Step 1 Customize the IP Phone Display

a. Ensure the two IP phones can connect to one another before this lab begins. Troubleshoot as necessary.

b. Browse to the URL **http://10.X0.0.1/ccme.html** (where ***X*** is the pod number) to access the GUI Web interface. Use the system administrator credentials of **ACMEadmin** and **cisco**.

c. Point to **Configure** and select the **System Parameters** option.

d. In the list of system parameters on the left, select **System Message**. Enter a message of **ACME Classroom**. Click on the **Set** button. When asked if the change is to be saved, click on the **OK** button. When the change is successful and that message appears, click **OK**.

If this change was to be completed from the router CLI, telephony-service configuration mode is used, and the **system message** command is used The number of characters that can be displayed on an IP phone system message is not set because the IP phone normally uses a proportional font rather than a fixed font. Normally, there is room for approximately 30 characters.

e. What change took place on the connected IP phones? _____

_____

f. Logout of the Web interface. Access the CME router CLI. From global configuration mode, enter the ephone directory number configuration mode for the first IP phone.

```
CMERouterX(config)# ephone-dn 1
```

g. Use the **description** command to set the label on the IP phone header bar.

```
CMERouterX(config-ephone-dn)# description Phone1
```

h. Enter the ephone directory number configuration mode for the second phone by using the **ephone-dn 2** command.

```
CMERouterX(config)# ephone-dn 2
```

i. Use the **description *DIDnumber*** (where ***DIDnumber*** is the first E.164 DID number listed for each pod in IP Telephony Table 2) to set the IP phone header bar. An example for Pod 1 would be **description 5105555000**.

```
CMERouterX(config-ephone-dn)# description DIDnumber
```

j. Return to the ephone directory number configuration mode for the first IP phone.

```
CMERouterX(config)# ephone-dn 1
```

k. Use the command **label my line X000** (where ***X*** is the pod number) to set a label on ephone-dn 1. A label displays on the phone next to the line button associated with an ephone dialer number.

```
CMERouterX(config-ephone-dn)# label my line X000
```


l. Reset both IP phones by pressing *** * # * *** on the keypad, or by using the method shown in lab 2.1.2. Some IP phone firmware versions may require selecting the “Settings” button prior to pressing **#**.

m. What visible changes are on the IP phones? _____

_____

n. View the changes made on the router.

```
CMERouterX# show running-config | begin tele
```

o. Save the router changes.

```
CMERouterX# copy running-config startup-config
```

p. Notice the system message **ACME Classroom** appears on the bottom of every phone, Phone1 appears in the top right of the first IP phone, the first button on the first IP phone has the label my line X000 (where ***X*** is the pod number), and the number 5105555000 appears at the top of the second IP phone.

q. Do all four items appear correctly? If not, troubleshoot as necessary. _____

