Lab 5: CallManager Express

In this lab you will configure CME, call manager express, on R3 and register the IP communicator phone on PC in pod to CME, rather than CUCM. After phone successfully registered you will configure a trunk between CME and CUCM and test calls between phones registered to CME and CUCM.

Task 1: Configure CME on R3

Enter the following into configuration on R3 to enable call manager express:

Telephony-service

    Max-ephones 10
    Max-dn 30
    Ip source-address 10.X.2.2 port 2000
    Create cnf-files

Next create directory number 7001 and assign it to IP Communicator – you will need to figure out commands/configuration. Hint (ephone-dn and ephone).

Task 2: Configure IP Communicator

Configure IP Communicator to point to CME (10.X.2.2) and restart it. If successful it should de-register from CUCM (check CUCM to be sure shows unregistered) and register to CME with extension 7001 (on CME “show ephone registered”).

Task 3: Configure SIP Trunk between CME and CUCM

Configure a SIP trunk between CME and CUCM. CME on R3 should route all calls to a four digit pattern to CUCM. CUCM should route all calls to a four digit pattern beginning with 7 to CME.

Once successful you should be able to place a call from IP Communicator registered to CME and a phone registered to CUCM. Make sure you can call in each direction.

Task 4: CCP

The ICOMM exam covers CCP, Cisco Configuration Professional, which is a GUI used to configure CME.
On the PC in pod map network drive \128.213.10.60\ISO and install CCP which is located in CUCM\cisco-config-pro-k9-pkg-2_6-en. Install any other required software (Adobe flash, Java).

After installed point it at CME (10.X.2.2) and be sure you can manage device (what is needed on R3 config for this?). Look around at GUI.

Using the GUI only add a new extension of 7002 and assign it to a physical phone assigned to you. Next get that phone to register to CME, while not disturbing the other phones – what is required to do this? There are a few ways to accomplish this.