CHAPTER 11

Provisioning Analog Gateway

This chapter describes the steps required to provision an analog VG224 gateway for a customer location in Hosted UCS Release 7.1(a).

Define and Configure VG224 Device

USM administrator defines an IOS Device (Type, Interfaces). This information is later used to add and configure the VG224 Gateways. Following sections describe how VG224 Device components are defined:

Ensure that you are Adding IOS Device Components to the correct Provider. To get to the Provider level, do the following:

Step 1 Go to **Provider Administration > Providers**.

Step 2 Select a Provider.

Add VG224 Device Type

To add an IOS Device Type:

Step 1 Go to **Network > IOS Devices.**

Step 2 Click **Add.**

Step 3 Click **Add** corresonding to **IPPBX Connect MGCP VG2xx Analog Gateway.**

Note VG224 analog gateway can be provisioned with CUCM using MGCP, SCCP and SIP protocols. Select the appropriate option to add VG224 device based on the deployment and protocol.

Step 4 Under Device Details, enter the following :

- Host Name—Unique <Host name of the IOS Device>; for example, **e2vg224**
- Description—<IOSDeviceTypeDesc; for example, **City2 VG224 analog gateway**
- Country—Select <Country>; for example, **United Kingdom**
- Owner—Select <Provider>; for example, **UKprovider**
- Check **Single Location Only** check box.

Note When you enable Single Location Only, the IOS device can be used in the selected location only.

- Select Location—Select the location from the drop down list; for example, **Reseller_A: Customer_A: Division A: 1402Clu2Loc1**

Step 5 Under Connectivity Details, enter the following:

- IP Address—<EthInterface IP Address>; for example, **10.190.2.42**
- IP Address (alternate)—<Alternate IP Address>; for example **10.191.2.42**
- IP Domain—<Domain name>; for example **e2vg224**
- Config Password—Enter <IOS device config password>; for example, **cisco**
- Enable Password—Enter <IOS device enable password>; for example, **cisco**

Step 6 Click **Finish.**

Add VG224 Gateway

To add a Media Gateway, do the following:

Step 1 Choose **Network > IOS Devices.**

Step 2 Click the IOS Device, for example **e2vg224.**

Step 3 Under Device Roles, click **Add** on Gateway

Step 4 Under Gateway Details, ensure the following:

- Name—<GW hostname>; for example, **e2vg224**
- Description—<GW description>; for example, **City2 VG224 analogue gateway**
- Select Protocol, for example **MGCP**

Step 5 Click **Next.**

Step 6 Select Device, <IPPBX: e2c1p, version: 7.1.x>

Step 7 Click **Next**.

Step 8 Under Gateway Functions, select analog for location.

Step 9 Click **Add.**

Repeat this for all IOS Device Network Modules.

Configure Gateway Hardware

To configure gateway hardware, do the following:

Step 1 Go to **Network > IOS Devices**.

Step 2 Click the IOS Device; for example, **e2vg224.**

Step 3 Click the Gateway under Gateway Details; for example, **e2vg224.**

Step 4 Click the **Gateway Hardware Configuration**, under Interface Details.

Step 5 Under Gateway Information, enter the following:

- Gateway Chassis—Select the gateway chassis; for example **VG224.**
- Click **Next**
- Module Slot—Select Module type **ANALOG**
- Click Next
- Under Module Slot, select the Voice Interface Card; For example, **24 FXS**
- Gateway Voice Interface—<GatewayInterface>; for example, **FastEthernet0/0**

Step 6 Click **Save.**

USM retrieves the module analog port details and updates the gateway hardware configuration page with port details.

Configure Ports

To add and configure gateway ports, do the following:

Step 1 Go to **Network > IOS Devices.**

Step 2 Click the IOS Device; for example, **e2vg224.**

Step 3 Click the Gateway under Gateway Details; for example, **e2vg224.**

Step 4 Click the **Gateway Hardware Configuration,** under Interface Details.

Step 5 Click the port you want to configure; for example, **0 FXS**.

Step 6 Under Device Information, ensure the following:

- Phone Button Template—<PhoneButtonTemplate>, select **Standard Analog.**
- Under Location Specific Settings, enter the following:
- Signal—<SingnalType>; for example **select Ground Start**

Step 7 Click **Add**

Allocate Port to Location

To allocate analog port to a location, follow the steps below:

Step 1 Go to **Network > IOS Devices.**

Step 2 Click the IOS Device; for example **e2vg224.**

Step 3 Click the Gateway under Gateway Details; for example **e2vg224.**

Step 4 Under Analog Interfaces, Click **Port Allocation.**

Step 5 Under Unallocated Ports, ensure that the location selected is proper and tick the port

Step 6 Click **Allocate.**

Register Analog Port

In Hosted UCS 7.1(a), the analog gateway port registration is done at location level. To register an analog FXS port:

Step 1 Navigate to the location where the analog gateway is provisioned, for example **1402Clu2Loc1.**

Step 2 Choose **Location Administration > Analogue Line Mgt**.

Step 3 Click the Analog gateway hyperlink; for example, **e2vg224**

Step 4 Click **Register** for the analog port you want to register with CUCM.

Step 5 Select the feature group; for example, **COS1International24Hour.**

Step 6 Click **Next**

Step 7 Under Line Number 1, select the number; for example, **DDI 014022118001**

Step 8 Select the Line Class of Service; for example, **COS1International24Hour**

Step 9 Click **Register.**

Note The automatic MGCP provisioning feature will automate the global MGCP configuration with the use of the following two commands. If MGCP autocomple commands are disabled on the "IOS Device 12.x - Model MGCP" and you need MGCP automatic provisioning, then add the following commands on MGCP analog gateway configuration.

- e2vg224# ccm-manager config server <TFTP1IPADDR>
- e2vg224# ccm-manager config

TFTP1IPADDR is the IP address of the CUCM server where TFTP Service is running.