

# **Configuring VG224 Using AXL SQL**

**Direct Queries [AXL THIN API], Thick  
API [CM7]**



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# Introduction

This document describes the various steps involved to add a VG224 gateway and to configure the endpoints using AXL SQL Direct queries.

It explains the various tables involved and depicts their inter-relationship.

## Tables Involved and relationships

This section describes various tables involved and their inter – relationship .

There are seven tables involved for an MGCP VG224 Gateway and five tables for an SCCP VG224 gateway.

The tables are – MGCP, MGCSlotConfig, Device, AnalogAccess, AnalogAccessPort and MGCPDeviceMember.

For an SCCP VG224 gateway the tables analogaccess and analogaccessport do not apply.

**MGCP:** This table contains the entry for the VG224 gateway. The fields relevant to VG224 are

Pkid

domainName

description

xml

fkCallManagerGroup

tkproduct

tkclass

tkdeviceprotocol

**MGCPSlotConfig:** This table contains the entries for the slots and the subunits for the VG224 gateway. The fields relevant to VG224 are :

pkid

Slot

Subunit

fkmgcp

tkmgcpvic

tkmgcpslotmodule

beginningportnumber

**Device:** This table contains the entries for the endpoints to be associated with the above VG224 gateway. The fields relevant to VG224 endpoint are.



pkid	tkPacketCaptureMode
tkdeviceprotocol	tkNetworkLocation
fklocaion	fkDevicePool
fkmlppdomain	retryVideoCallAsAudio
description	Name
deviceleveltraceflag	tkProtocolSide
tkStatus_MLPPIndicationStatus	tkPreemption
packetCaptureDuration	tkProduct

**DeviceNumPlanMap**: This table contains the association of the device table entry(endpoint) and the directory number. The relevent fields are:

pkid	fkdevice
fknumplan	

**AnalogAccess**: This table contains the entries for the mgcp vg224 endpoints. Applies only to analog[MGCP] endpoints. The fields are:

pkid	tktrunkselectionorder
fkdevice	

**AnalogAccessPort**: This table contains the entries for the analog parameters for the MGCP endpoints. Applies only to VG224[MGCP] analog endpoints. The fields are:

pkid	timer1
fkdevice	timer2
portnum	timer3
tktrunk	timer4
tktrunkdirection	timer5
attendantdn	timer6
numdigits	InboundCallerIdEnable
sigdigits	tksilencesuppressionthreshold
expecteddigits	thCallingPartySelection
tktrunkpad_rx	tkPresentationBit
tktrunkpad_tx	tktrunklevel
unattendedport	xml

**MGCPDeviceMember**: This table contains the entries for the association between the mgcp and the endpoint. The fields are:

pkid	port
fkmgcp	slot
fkdevice	subunit



# Relation Between Tables

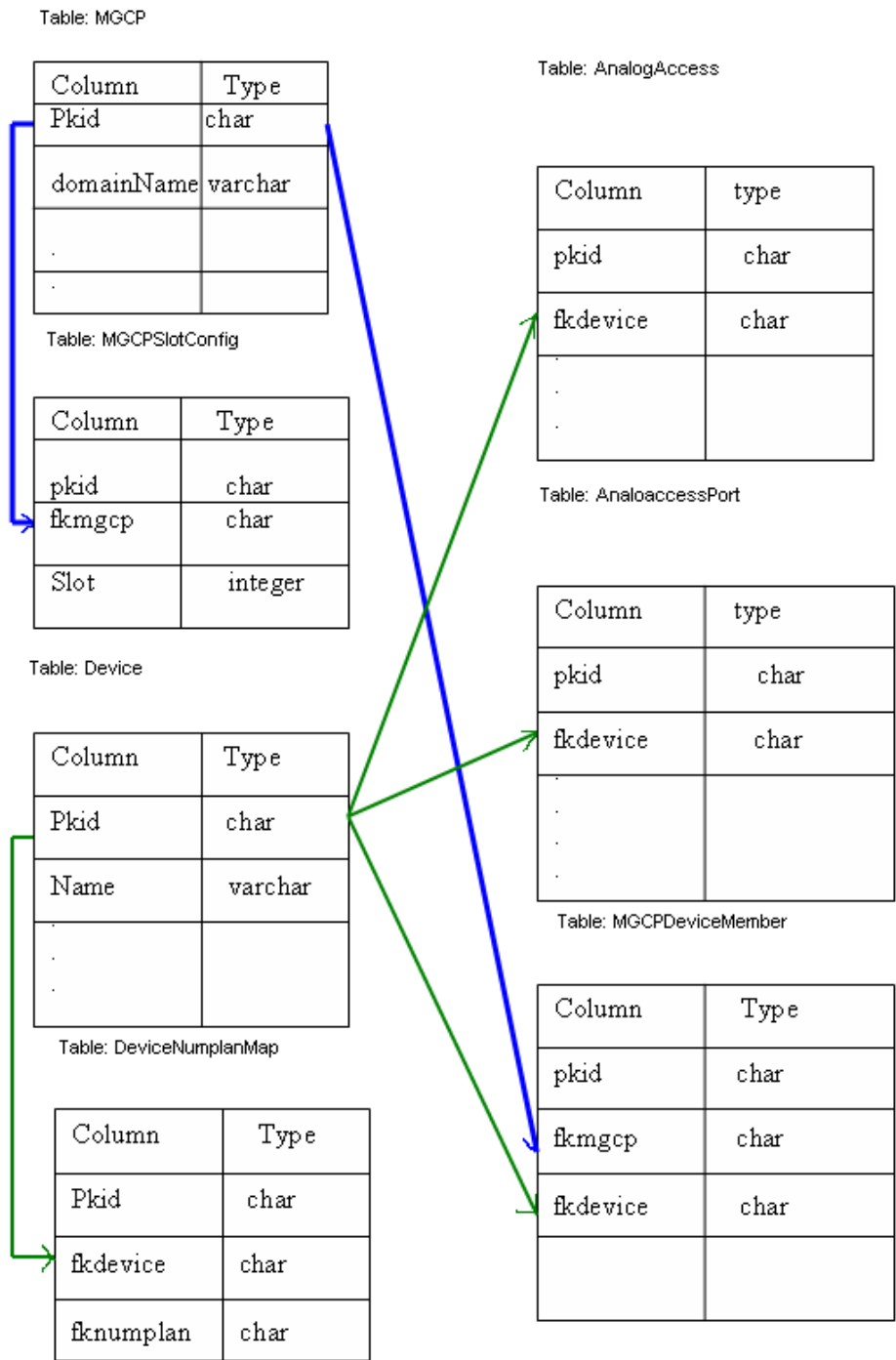


Fig. 1.0 Table Relationships for MGCP VG224 Gateway

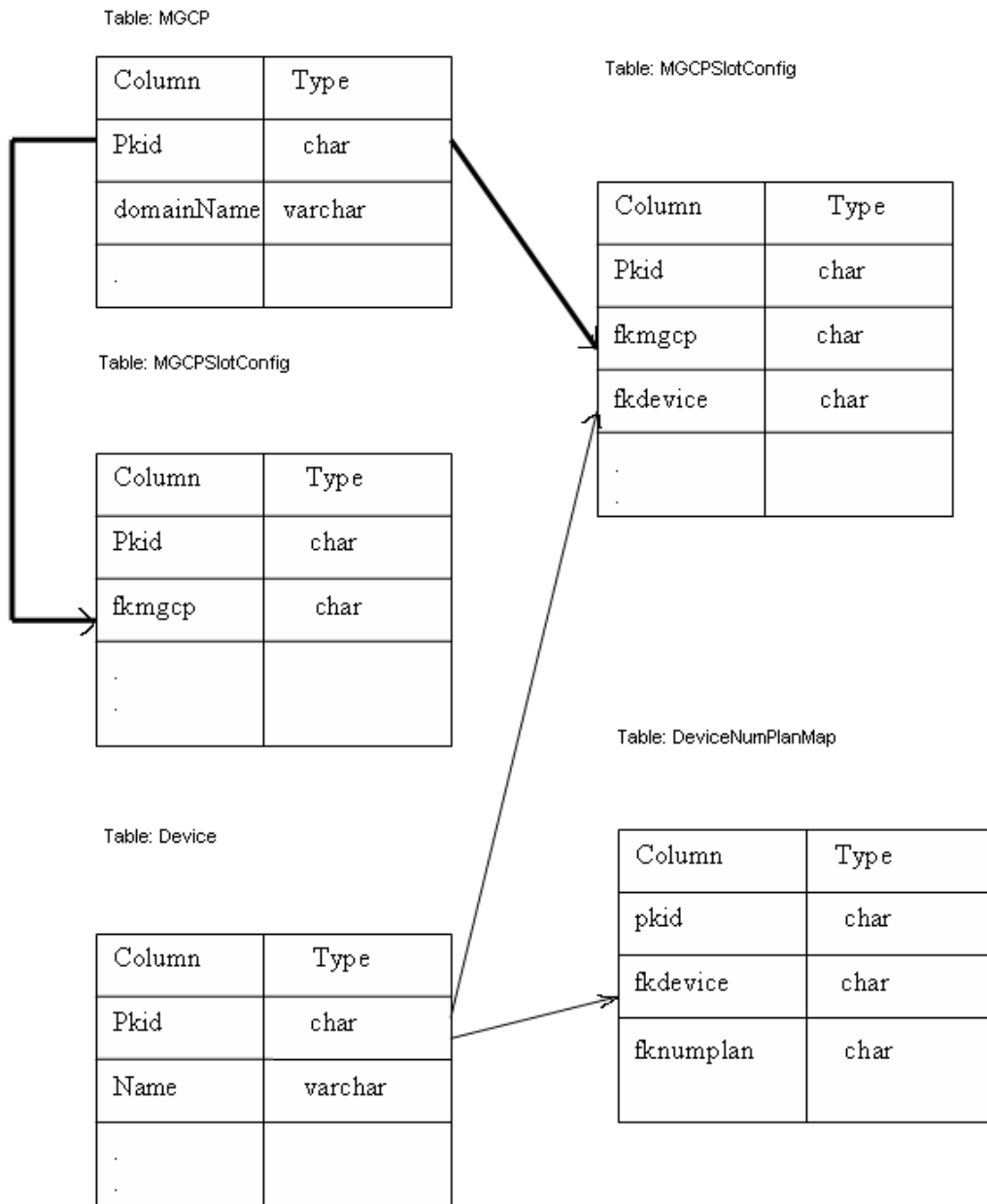


Fig. 1.1. Table Relationships for an SCCP\_VG224 Gateway



# Add/Configure VG224 Gateway(MGCP)

This section explains the direct queries to add a VG224 Gateway for device protocol – MGCP and to configure the endpoints.

## Configure MGCP VG224 Gateway and the Endpoints

The AXL Thin API executeSQLUpdate can be used to insert a new VG224 [MGCP] gateway.

The entry for the VG224 Gateway is made into the MGCP table.

Example:

executeSQLUpdate query to add MGCP VG224 Gateway in **MGCP Table**:

```
-----  
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">  
<SOAP-ENV:Body>  
<axlapi:executeSQLUpdate sequence="1" xmlns:axlapi="http://www.cisco.com/AXL/API/6.1"  
xmlns:axl="http://www.cisco.com/AXL/1.0"  
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
xsi:schemaLocation="http://www.cisco.com/AXL/API/6.1 axlsoap.xsd">  
<sql>insert into  
MGCP(Description,pkid,tkProduct,fkCallManagerGroup,XML,DomainName,tkdeviceprotocol)  
values ('This is a sample MGCP gateway',newid(),'30038','d13c4201-7802-11d3-  
bdf0-00108302ead1','<A></A>', 'GW',12)</sql>  
</axlapi:executeSQLUpdate>  
</SOAP-ENV:Body>  
</SOAP-ENV:Envelope>
```

The value for fkCallManagerGroup mentioned 'd13c4201-7802-11d3-bdf0-00108302ead1' is by default for the default CallManagerGroup. If a different CallManagerGroup is to be assigned then the corresponding pkid needs to be specified.

executeSQLUpdate query for Configuring Slot in **MGCPSlotConfig table**:

```
-----  
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">  
<SOAP-ENV:Body>  
<axlapi:executeSQLUpdate sequence="1" xmlns:axlapi="http://www.cisco.com/AXL/API/6.1"  
xmlns:axl="http://www.cisco.com/AXL/1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-  
instance" xsi:schemaLocation="http://www.cisco.com/AXL/API/6.1 axlsoap.xsd">  
<sql>insert into MGCPSlotConfig ( fkMGCP,tkMGCPSlotModule,pkid,Slot ) values  
( 'bf664507-9ee4-4331-acb6-8cd1afa35d9c','7',newid(),'2' )</sql>  
</axlapi:executeSQLUpdate>  
</SOAP-ENV:Body>  
</SOAP-ENV:Envelope>
```

executeSQLUpdateQuery to configure unit and subunit in **MGCPSlotConfig table**:



```
-----
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<axlapi:executeSQLUpdate sequence="1" xmlns:axlapi="http://www.cisco.com/AXL/API/6.1"
xmlns:axl="http://www.cisco.com/AXL/1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://www.cisco.com/AXL/API/6.1 axlsoap.xsd">
<sql>insert into MGCPslotConfig
( fkMGCP,tkMGCPVic,tkMGCPslotModule,pkid,Slot,Subunit ) values ( 'bf664507-9ee4-4331-
acb6-8cd1afa35d9c','10028','7',newid(),'2','0' )</sql>
</axlapi:executeSQLUpdate>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Here the fkmgcp is the pkid of the VG224 MGCP gateway inserted in the MGCP table.  
The columns slot,subunit and tkMGCPslotModule defines the network modules and VIC.  
The column tkMGCPslotModule defines the type of the slot module. In this case its Analog –‘7’.  
The column tkMGCPVIC defines the parameters like max number of ports. In this the tkMGCPVic is  
24FXS- 24 ports[max].

executeSQLUpdate Query for Adding the endpoint entry in the **Device** table:

```
-----
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<axlapi:executeSQLUpdate sequence="1" xmlns:axlapi="http://www.cisco.com/AXL/API/6.1"
xmlns:axl="http://www.cisco.com/AXL/1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://www.cisco.com/AXL/API/6.1 axlsoap.xsd">
<sql>insert into Device
(tkDeviceProtocol,fkLocation,packetCaptureDuration,tkPacketCaptureMode,pkid,fkMlppDomain
,DeviceLevelTraceFlag,tkStatus_MLPPIndicationStatus,Description,tkProtocolSide,tkPreemption
,tkProduct,tkNetworkLocation,retryVideoCallAsAudio,XML,Name,fkDevicePool )
values
( '3','29c5c1c4-8871-4d1e-8394-0b9181e8c54d','100','0',newid(),'c80cafe0-af65-43d6-
a1f1-225ad998bd26','t','0','This is a sample
E1Gateway','1','0','19','0','t','<A></A>','AALN/S2/0@GW','1b1b9eb6-7803-11d3-
bdf0-00108302ead1' )</sql>
</axlapi:executeSQLUpdate>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

An alternative to the above executeSQIUpdate Query , we can also use addPhone Api to make the  
endpoint entry in the device table and then associate the same with the VG224 gateway.  
The sample addPhone/updatePhone API to add the endpoint entry in the table would be:

```
<newPhone>
<name>SEP555555555555</name>
```





```

    <description>Sample Phone</description>
    <product>Cisco MGCP FXS Port</product>
    <model>MGCP Station</model>
    <class>Gateway</class>
    <protocol>Analog Access</protocol>
    <protocolSide>User</protocolSide>
    <devicePoolName>Default</devicePoolName>
    <services/>
    <currentConfig/>
</newPhone>

```

A sample updatePhone API to configure a device entry to be associated with the VG224[MGCP] gateway:

```

<axlapi:updatePhone xmlns:axlapi="http://www.cisco.com/AXL/API/6.1"
xmlns:axl="http://www.cisco.com/AXL/1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://www.cisco.com/AXL/API/6.1 axlsoap.xsd">
<name>SEP0003E3863413</name> ----an existing device modified to be associated with the gateway
  <description>New</description>
  <product>Cisco MGCP FXS Port</product>
  <model>MGCP Station</model>
  <class>Gateway</class>
  <protocol>Analog Access</protocol>

  <vendorConfig>
  </vendorConfig>
</axlapi:updatePhone>

```

executeSQLUpdate Query to configure line[DN] for the endpoint added above in **DeviceNumPlanMap**:

```

-----
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<axlapi:executeSQLUpdate sequence="1" xmlns:axlapi="http://www.cisco.com/AXL/API/6.1"
xmlns:axl="http://www.cisco.com/AXL/1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://www.cisco.com/AXL/API/6.1 axlsoap.xsd">
<sql>insert into DeviceNumPlanMap
( BusyTrigger,NumPlanIndex,MaxNumCalls,fkNumPlan,E164Mask,fkDevice,pkid,Display,CallInf
oDisplayMask,Label ) values ( '1','1','2','3efd37d6-
c1f7-2375-34bc-8659f2807c20','01234565','bc7df763-e91b-4b4f-a63c-
cc7ccff0a94b',newid(),'updated Line 1','15','updated Line 1' )</sql>
</axlapi:executeSQLUpdate>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

executeSQLUpdate Query for Adding the **AnalogAccess table** entries for the endpoint:



```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body><axlapi:executeSQLUpdate sequence="1"
xmlns:axlapi="http://www.cisco.com/AXL/API/6.1" xmlns:axl="http://www.cisco.com/AXL/1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.cisco.com/AXL/API/6.1 axlsoap.xsd">
<sql>insert into AnalogAccess ( fkDevice,pkid,tkTrunkSelectionOrder ) values
( 'bc7df763-e91b-4b4f-a63c-cc7cff0a94b',newid(),'1' )</sql>
</axlapi:executeSQLUpdate>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

executeSQLUpdate query to insert analoaccessport parameters:

```
-----
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<axlapi:executeSQLUpdate sequence="1" xmlns:axlapi="http://www.cisco.com/AXL/API/6.1"
xmlns:axl="http://www.cisco.com/AXL/1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://www.cisco.com/AXL/API/6.1 axlsoap.xsd">
<sql>insert into analogAccessPort (Timer3, tkCallingPartySelection, Timer4, tkPresentationBit,
tkDigitSending, SigDigits, tkStartDialProtocol, tkTrunkPad_Tx, Timer1, XML,
InboundCallerIdEnable, tkTrunk, PortNum, tkSilenceSuppressionThreshold,
tkTrunkPad_Rx,pkid, Timer6, tkTrunkDirection, AttendantDN, NumDigits, Timer5,
ExpectedDigits, tkTrunkLevel, fkDevice, UnattendedPort, Timer2, SMDIPortNumber) values
(100, 1, 500, 1, 0, 'f', 0, 32, 300, '', 'f', 1, 1, 0, 32, newid(), 2000, 3, '1234', 0, 0, 0, 1, 'bc7df763-
e91b-4b4f-a63c-cc7cff0a94b', 't', 1500, 0)</sql>
</axlapi:executeSQLUpdate>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

executeSQLUpdate Query for Associating the endpoint and the VG224 Gateway:

-----  
This query will associate the VG224 Gateway with the device table endpoint entry that we added above.

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<axlapi:executeSQLUpdate sequence="1" xmlns:axlapi="http://www.cisco.com/AXL/API/6.1"
xmlns:axl="http://www.cisco.com/AXL/1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://www.cisco.com/AXL/API/6.1 axlsoap.xsd">
<sql>insert into mgcpdevicemember (slot, fkDevice, pkid, fkmgcp, subunit, port)
values(2, 'bc7df763-e91b-4b4f-a63c-cc7cff0a94b', newid(), 'bf664507-9ee4-4331-
acb6-8cd1afa35d9c', 0, 0)</sql>
</axlapi:executeSQLUpdate>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Here fkdevice is the device table endpoint pkid and the fkmgcp is the MGCP table entry that would be associated with the endpoint.



# Add/Configure VG224 Gateway (SCCP)

This section explains the direct queries to add a VG224 Gateway for device protocol – SCCP and to configure the endpoints.

## Configure SCCP VG224 Gateway and the Endpoints

The following section explains the configuration of an SCCP VG224 Gateway and its endpoints with example direct queries. The thin api executeSQLUpdate can be used to achieve the same.

executeSQLUpdate Query to add an SCCP VG224 Gateway in the **MGCP Table**:

```
-----  
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">  
<SOAP-ENV:Body>  
<axlapi:executeSQLUpdate sequence="1" xmlns:axlapi="http://www.cisco.com/AXL/API/6.1"  
xmlns:axl="http://www.cisco.com/AXL/1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-  
instance" xsi:schemaLocation="http://www.cisco.com/AXL/API/6.1 axlsoap.xsd">  
<sql>insert into MGCP  
(tkDeviceProtocol,Description,pkid,tkProduct,fkCallManagerGroup,DomainName ) values  
( '0','This is a sample gateway',newid(), '30038','d13c4201-7802-11d3-  
bdf0-00108302ead1','SKIGW4444444444' ) </sql>  
</axlapi:executeSQLUpdate>  
</SOAP-ENV:Body>  
</SOAP-ENV:Envelope>
```

executeSQLUpdate to Configure slot in **MGCPSlotConfig table** for the Gateway added above:

```
-----  
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">  
<SOAP-ENV:Body>  
<axlapi:executeSQLUpdate sequence="1" xmlns:axlapi="http://www.cisco.com/AXL/API/6.1"  
xmlns:axl="http://www.cisco.com/AXL/1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-  
instance" xsi:schemaLocation="http://www.cisco.com/AXL/API/6.1 axlsoap.xsd">  
<sql>insert into MGCPSlotConfig ( fkMGCP,tkMGCPSlotModule,pkid,Slot ) values  
( 'ea5620a3-773f-4e1a-9a7f-3c4a8d40bec9', '7',newid(), '2' )</sql>  
</axlapi:executeSQLUpdate>  
</SOAP-ENV:Body>  
</SOAP-ENV:Envelope>
```

The fkMCP is the MGCP pkid of the SCCP Gateway entry in the MGCP table.

executeSQLUpdateQuery to configure unit and subunit in **MGCPSlotConfig table**:



```
-----  
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">  
<SOAP-ENV:Body>  
<axlapi:executeSQLUpdate sequence="1" xmlns:axlapi="http://www.cisco.com/AXL/API/6.1"  
xmlns:axl="http://www.cisco.com/AXL/1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-  
instance" xsi:schemaLocation="http://www.cisco.com/AXL/API/6.1 axlsoap.xsd">  
<sql>insert into MGCPslotConfig  
(fkMGCP,tkMGCPVic,beginningPortNumber,tkMGCPslotModule,pkid,Slot,Subunit ) values  
( 'ea5620a3-773f-4e1a-9a7f-3c4a8d40bec9','207','0','7',newid(),'2','0' ) </sql>  
</axlapi:executeSQLUpdate>  
</SOAP-ENV:Body>  
</SOAP-ENV:Envelope>
```

Here the fkmgcp is the pkid of the VG224 MGCP gateway inserted in the MGCP table.

The columns slot,subunit and tkMGCPslotModule defines the network modules and VIC.

The column tkMGCPslotModule defines the type of the slot module. In this case its Analog –‘7’.

The column tkMGCPVIC defines the parameters like max. number of ports. In this case the tkMGCPVIC is 24FXS-SCCP -- 24 ports[max].

executeSQLUpdate Query for Adding the endpoint entry in the **Device** table:

```
-----  
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">  
<SOAP-ENV:Body>  
<axlapi:executeSQLUpdate sequence="1" xmlns:axlapi="http://www.cisco.com/AXL/API/6.1"  
xmlns:axl="http://www.cisco.com/AXL/1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-  
instance" xsi:schemaLocation="http://www.cisco.com/AXL/API/6.1 axlsoap.xsd">  
<sql>insert into Device  
( tkDeviceProtocol,fkPhoneTemplate,fkLocation,packetCaptureDuration,tkPacketCaptureMode,p  
kid,fkMlppDomain,DeviceLevelTraceFlag,fkSecurityProfile,tkStatus_MLPPIndicationStatus,unat  
tended_Port,Description,tkProtocolSide,tkPreemption,tkProduct,tkNetworkLocation,  
retryVideoCallAsAudio,XML,Name,fkDevicePool )  
values ( '0','e3e78e30-9921-4a02-  
bdb6-432374cd01db','29c5c1c4-8871-4d1e-8394-0b9181e8c54d','100','0',newid(),'c80cafe0-  
af65-43d6-  
a1f1-225ad998bd26','t','0a88fb2f-67bd-435e-9280-93ce7fe59a2e','0','t','Hello','1','0','30065','0','t','  
<A></A>','AN4444444444400','1b1b9eb6-7803-11d3-bdf0-00108302ead1' )</sql>  
</axlapi:executeSQLUpdate>  
</SOAP-ENV:Body>  
</SOAP-ENV:Envelope>
```

An alternative to the above executeSQLUpdate Query , we can also use addPhone Api to make the endpoint entry in the device table and then associate the same with the VG224 gateway. You can update the parameters as required using the updatePhone API.

The sample addPhone API to add the endpoint entry in the table would be:

```
<newPhone>
```



```
<name>AN2242242242401</name>
  <description>Sample Phone</description>
  <product>Analog Phone</product>
  <model>Analog Phone</model>
  <class>Phone</class>
  <protocol>SCCP</protocol>
  <protocolSide>User</protocolSide>
  <devicePoolName>Default</devicePoolName>
  <phoneTemplateName>Standard Analog</phoneTemplateName>
  <services/>
  <currentConfig/>
</newPhone>
```

A sample updatePhone API to update the device table entry to be associated with the VG224[SCCP] gateway:

```
<axlapi:updatePhone xmlns:axlapi="http://www.cisco.com/AXL/API/6.1"
xmlns:axl="http://www.cisco.com/AXL/1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://www.cisco.com/AXL/API/6.1 axlsoap.xsd">
  <name>SEP0003E3863413</name>--- an existing device modified to be associated with the gateway
  <description>New</description>
  <product>Analog Phone</product>
  <model>Analog Phone</model>
  <class>Phone</class>
  <protocol>SCCP</protocol>
</axlapi:updatePhone>
```

executeSQLUpdate Query to configure line in **DeviceNumPlanMap** for the endpoint added above:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
  <axlapi:executeSQLUpdate sequence="1" xmlns:axlapi="http://www.cisco.com/AXL/API/6.1"
xmlns:axl="http://www.cisco.com/AXL/1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://www.cisco.com/AXL/API/6.1 axlsoap.xsd">
  <sql>insert into DeviceNumPlanMap
( BusyTrigger,NumPlanIndex,MaxNumCalls,fkNumPlan,E164Mask,fkDevice,pkid,Display,CallInf
oDisplayMask,Label ) values
( '1','1','2','3436ca38-2d51-ed1f-4ce4-b5f22bb35c5b','01234565','697ea4ec-bfe8-4e19-afc9-
d2f9c64f1a40',newid(),'updated Line 1','15','updated Line 1' )
</sql>
</axlapi:executeSQLUpdate>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Here fkNumPlan is the pkid of an existing Directory Number in the Numplan table.



executeSQLUpdate Query for Associating the endpoint and the VG224 Gateway:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<axlapi:executeSQLUpdate sequence="1" xmlns:axlapi="http://www.cisco.com/AXL/API/6.1"
xmlns:axl="http://www.cisco.com/AXL/1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://www.cisco.com/AXL/API/6.1 axlsoap.xsd">
<sql>insert into MGCPDeviceMember ( fkMGCP,fkDevice,pkid,Slot,Subunit,Port ) values
('ea5620a3-773f-4e1a-9a7f-3c4a8d40bec9','697ea4ec-bfe8-4e19-afc9-d2f9c64f1a40',newid(),'2','0','0'
)</sql>
</axlapi:executeSQLUpdate>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

The columns slot, subunit and the port define the device associated with the gateway.

A VG224 gateway may have one or more devices associated with it depending upon the Network module and VIC. For example, for 24FXS-SCCP or 24FXS the maximum no. of ports is 24. So the column port will define the position/index of the endpoint/devices associated with the gateway.

Each MGCPDeviceMember record points to one device record that is associated with the gateway.

## Remove VG224Gateway:

This section explains the steps to remove a VG224 gateway entry using the executeSQLUpdate thin API.

Example:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <axlapi:executeSQLUpdate sequence="1"
xmlns:axlapi="http://www.cisco.com/AXL/API/6.1" xmlns:axl="http://www.cisco.com/AXL/6.1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.cisco.com/AXL/API/6.1 axlsoap.xsd">
      <sql>delete from mgcp where domainname='GW_123'</sql>
    </axlapi:executeSQLUpdate>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Removing the MGCP table entry takes care of removing the entries in other tables – MGCPSlotConfig, Device, MGCPDeviceMember, AnalogAccess & AnalogAccessPort as the fields are cascaded.

## Update VG224Gateway

This section describes the steps involved in updating a VG224 entry using the thin api – executeSQLUpdate.



Example:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<axlapi:executeSQLUpdate sequence="1" xmlns:axlapi="http://www.cisco.com/AXL/API/6.1"
xmlns:axl="http://www.cisco.com/AXL/6.1" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://www.cisco.com/AXL/API/6.1 axlsoap.xsd">
<sql>update mgcp set
domainname='axl123',description='axltesttest',fkcallmanagergroup='d13c4201-7802-11d3-
bdf0-00108302ead1' where domainname='axl'</sql>
</axlapi:executeSQLUpdate>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## Configuring VG224 Using Thick API [CM7]

### Adding VG224 Gateway and configuring endpoints

#### MGCP

Given below is the sample request to add a MGCP VG224 Gateway:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <axlapi:addVG224 sequence="1" xmlns:axlapi="http://www.cisco.com/AXL/API/1.0"
xmlns:axl="http://www.cisco.com/AXL/1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://www.cisco.com/AXL/API/1.0 axlsoap.xsd">
      <newVG224>
        <domainName>axl</domainName>
        <description>This is a sample gateway</description>
        <product>VG224</product>
        <protocol>MGCP</protocol>
        <callManagerGroupName>Default</callManagerGroupName>
        <units>
          <unit index="2">
            <product>ANALOG</product>
            <subunits>
              <subunit index="0">
                <product>24FXS</product>
                <endpoints>
                  <endpoint index="0">
                    <name>AALN/S2/0@axl</name>
```



Gateway</description>

```
<description>This is a sample VG224
</description>
<product>Cisco MGCP FXS Port</product>
<model>MGCP Station</model>
<class>Gateway</class>
<protocol>Analog Access</protocol>
<protocolSide>User</protocolSide>
<devicePoolName>Default</devicePoolName>
<networkLocation>OnNet</networkLocation>
<locationName>Hub_None</locationName>
<vendorConfig>
  <A/>
</vendorConfig>
<versionStamp>{XXXXXXXX-XXXX-XXXX-XXXX-
```

XXXXXXXXXX}</versionStamp>

```
<lines>
<line index="1">
  <label>updated Line 1</label>
  <display>updated Line 1</display>
  <dirn>
    <pattern>6662</pattern>
    <description>Hello</description>
    <usage>Device</usage>

  </dirn>
  <ringSetting>Flash Only</ringSetting>
  <consecutiveRingSetting>Ring</consecutiveRingSetting>
  <e164Mask>01234565</e164Mask>
  <dialPlanWizardId>2345567</dialPlanWizardId>
  <mwIPolicy>Use System Policy</mwIPolicy>
  <maxNumCalls>2</maxNumCalls>
  <busyTrigger>1</busyTrigger>
  <callInfoDisplay>
    <callerName>true</callerName>
    <callerNumber>true</callerNumber>
    <redirectedNumber>true</redirectedNumber>
    <dialedNumber>true</dialedNumber>
  </callInfoDisplay>
</line>
</lines>
<traceFlag>true</traceFlag>
```





```
<mlppDomainId>0</mlppDomainId>
<mlppIndicationStatus>Off</mlppIndicationStatus>
<preemption>Disabled</preemption>
<retryVideoCallAsAudio>true</retryVideoCallAsAudio>
<packetCaptureMode>None</packetCaptureMode>
<packetCaptureDuration>100</packetCaptureDuration>
<csuParam>-22.5dB</csuParam>
<trunk>POTS</trunk>
<attendantDN>123</attendantDN>
<unAttendedPort>>false</unAttendedPort>
</endpoint>
<endpoint index="1">
  <name>AALN/S2/1@axl</name>
  <description>sample VG224 Gateway</description>
  <product>Cisco MGCP FXS Port</product>
  <model>MGCP Station</model>
  <class>Gateway</class>
  <protocol>Analog Access</protocol>
  <protocolSide>User</protocolSide>
  <devicePoolName>Default</devicePoolName>
  <networkLocation>OnNet</networkLocation>
  <locationName>Hub_None</locationName>
  <vendorConfig>
    <A/>
  </vendorConfig>
  <versionStamp>{xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx}</
versionStamp>

  <traceFlag>>true</traceFlag>
  <mlppDomainId>0</mlppDomainId>
  <mlppIndicationStatus>Off</mlppIndicationStatus>
  <preemption>Disabled</preemption>
  <retryVideoCallAsAudio>true</retryVideoCallAsAudio>
  <packetCaptureMode>None</packetCaptureMode>
  <packetCaptureDuration>100</packetCaptureDuration>
  <csuParam>-22.5dB</csuParam>
  <trunk>Ground Start</trunk>
  <attendantDN>123</attendantDN>
  <unAttendedPort>>false</unAttendedPort>
</endpoint>
<endpoint index="2">
```



```

<name>AALN/S2/2@axl</name>
<description>VG224 Gateway</description>
<product>Cisco MGCP FXS Port</product>
<model>MGCP Station</model>
<class>Gateway</class>
<protocol>Analog Access</protocol>
<protocolSide>User</protocolSide>
<devicePoolName>Default</devicePoolName>
<networkLocation>OnNet</networkLocation>
<locationName>Hub_None</locationName>
<vendorConfig>
  <A/>
</vendorConfig>
versionStamp>{XXXXXXXX-XXXX-XXXX-XXXX-XXXXXXXXXXXX}</
<traceFlag>true</traceFlag>
<mlppDomainId>0</mlppDomainId>
<mlppIndicationStatus>Off</mlppIndicationStatus>
<preemption>Disabled</preemption>
<retryVideoCallAsAudio>true</retryVideoCallAsAudio>
<packetCaptureMode>None</packetCaptureMode>
<packetCaptureDuration>100</packetCaptureDuration>
<csuParam>-22.5dB</csuParam>
<trunk>Loop Start</trunk>
<attendantDN>123</attendantDN>
<unAttendedPort>>false</unAttendedPort>
</endpoint>
</endpoints>
</subunit>
</subunits>
</unit>
</units>
</newVG224>
</axlapi:addVG224>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

## SCCP

Given below is the request to add an SCCP VG224Gateway :



```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
<SOAP-ENV:Body>
<axlapi:addVG224 sequence="1" xmlns:axlapi="http://www.cisco.com/AXL/API/1.0"
xmlns:axl="http://www.cisco.com/AXL/1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://www.cisco.com/AXL/API/1.0 axlsoap.xsd">
  <newVG224>
    <domainName>SKIGW4444444444</domainName>
    <description>This is a sample gateway</description>
    <product>VG224</product>
    <protocol>SCCP</protocol>
    <callManagerGroupName>Default</callManagerGroupName>
    <units>
      <unit index="2">
        <product>ANALOG</product>
        <subunits>
          <subunit index="0">
            <product>24FXS-SCCP</product>
            <endpoints>
              <endpoint index="0">
                <name>AN4444444444400</name>
                <description>This is a sample VG224
Gateway</description>
                <product>Analog Phone</product>
                <model>Analog Phone</model>
                <class>Phone</class>
                <protocol>SCCP</protocol>
                <protocolSide>User</protocolSide>
                <devicePoolName>Default</devicePoolName>
                <networkLocation>OnNet</networkLocation>
                <locationName>Hub_None</locationName>
                <vendorConfig>
                  <A/>
                </vendorConfig>
                <phoneTemplate>Standard Analog</phoneTemplate>
                <versionStamp>{xxxxxxxx-xxxx-xxxx-xxxx-
xxxxxxxxxxxx}</versionStamp>
              </endpoint>
            </endpoints>
          </subunit>
        </subunits>
      </unit>
    </units>
  </newVG224>
</axlapi:addVG224>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```



```
<dirn>
  <pattern>6662</pattern>
  <description>Hello</description>
  <usage>Device</usage>
</dirn>
<ringSetting>Flash Only</ringSetting>
<consecutiveRingSetting>Ring</consecutiveRingSetting>
<e164Mask>01234565</e164Mask>
<dialPlanWizardId>2345567</dialPlanWizardId>
<mwIPolicy>Use System Policy</mwIPolicy>
<maxNumCalls>2</maxNumCalls>
<busyTrigger>1</busyTrigger>
<callInfoDisplay>
  <callerName>true</callerName>
  <callerNumber>true</callerNumber>
  <redirectedNumber>true</redirectedNumber>
  <dialedNumber>true</dialedNumber>
</callInfoDisplay>
</line>
</lines>
<traceFlag>true</traceFlag>
<mlppDomainId>0</mlppDomainId>
<mlppIndicationStatus>Off</mlppIndicationStatus>
<preemption>Disabled</preemption>
<unAttendedPort>false</unAttendedPort>
<securityProfileName>Analog Phone - Standard SCCP Non-
Secure Profile</securityProfileName>
</endpoint>
<endpoint index="1">
  <name>AN4444444444401</name>
  <description>sample VG224 Gateway</description>
  <product>Analog Phone</product>
  <model>Analog Phone</model>
  <class>Phone</class>
  <protocol>SCCP</protocol>
  <protocolSide>User</protocolSide>
  <devicePoolName>Default</devicePoolName>
  <networkLocation>OnNet</networkLocation>
  <locationName>Hub_None</locationName>
  <vendorConfig>
```



```

        <A/>
    </vendorConfig>
    <phoneTemplate>Standard Analog</phoneTemplate>
    <versionStamp>{xxxxxxxx-xxxx-xxxx-xxxx-
xxxixxxxxxxxx}</versionStamp>
        <traceFlag>>true</traceFlag>
    <mlppDomainId>0</mlppDomainId>
    <mlppIndicationStatus>Off</mlppIndicationStatus>
    <preemption>Disabled</preemption>
    <unAttendedPort>>false</unAttendedPort>
    <securityProfileName>Analog Phone - Standard SCCP Non-
Secure Profile</securityProfileName>
</endpoint>
<endpoint index="2">
    <name>AN4444444444402</name>
    <description>VG224 Gateway</description>
    <product>Analog Phone</product>
    <model>Analog Phone</model>
    <class>Phone</class>
    <protocol>SCCP</protocol>
    <protocolSide>User</protocolSide>
    <devicePoolName>Default</devicePoolName>
    <networkLocation>OnNet</networkLocation>
    <locationName>Hub_None</locationName>
    <vendorConfig>
        <A/>
    </vendorConfig>
    <phoneTemplate>Standard Analog</phoneTemplate>
    <versionStamp>{xxxxxxxx-xxxx-xxxx-xxxx-
xxxixxxxxxxxx}</versionStamp>
        <traceFlag>>true</traceFlag>
    <mlppDomainId>0</mlppDomainId>
    <mlppIndicationStatus>Off</mlppIndicationStatus>
    <preemption>Disabled</preemption>
    <unAttendedPort>>false</unAttendedPort>
    <securityProfileName>Analog Phone - Standard SCCP Non-
Secure Profile</securityProfileName>
</endpoint>
</endpoints>
</subunit>
</subunits>
```



```
        </unit>
    </units>
</newVG224>
</axlapi:addVG224>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## Updating VG224 Gateway and configuring endpoints

### MGCP

Given below is the sample request to update a MGCP VG224 Gateway entry:

```
<!-- edited with XMLSPY v5 rel. 4 U (http://www.xmlspy.com) by Jerry Vander Voord (Cisco Systems) -->
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <axlapi:updateVG224 xmlns:axlapi="http://www.cisco.com/AXL/API/1.0"
xmlns:axl="http://www.cisco.com/AXL/1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.cisco.com/AXL/API/1.0 axlsoap.xsd">
      <domainName>axl</domainName>
      <newDomainName>testaxl</newDomainName>
      <description>test description</description>
      <callManagerGroupName>Default</callManagerGroupName>
      <units>
        <unit index="2">
          <product>ANALOG</product>
          <subunits>
            <subunit index="0">
              <product>24FXS</product>
              <endpoints>
                <endpoint index="0">
                  <name>AALN/S2/0@axl</name>
                  <description>sample VG224 MGCP Gateway</description>
                  <product>Cisco MGCP FXS Port</product>
                  <model>MGCP Station</model>
                  <class>Gateway</class>
                  <protocol>Analog Access</protocol>
                  <protocolSide>User</protocolSide>
                  <devicePoolName>default</devicePoolName>
```



```
<networkLocation>OnNet</networkLocation>
<locationName>Hub_None</locationName>
<loadInformation>rr</loadInformation>
<vendorConfig>
<A/>
</vendorConfig>
<versionStamp>{xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx}</versionStamp>
  <lines>
    <line index="1">
      <label>updated Line 1</label>
      <display>updated Line 1</display>
      <dirn>
        <pattern>6662</pattern>
        <description>Hello</description>
        <usage>Device</usage>
      </dirn>
      <ringSetting>Flash Only</ringSetting>
      <consecutiveRingSetting>Ring</consecutiveRingSetting>
      <e164Mask>01234565</e164Mask>
      <dialPlanWizardId>2345567</dialPlanWizardId>
      <mwIPolicy>Use System Policy</mwIPolicy>
      <maxNumCalls>2</maxNumCalls>
      <busyTrigger>1</busyTrigger>
      <callInfoDisplay>
        <callerName>true</callerName>
        <callerNumber>true</callerNumber>
        <redirectedNumber>true</redirectedNumber>
        <dialedNumber>true</dialedNumber>
      </callInfoDisplay>
    </line>
  </lines>
  <traceFlag>true</traceFlag>
  <mlppDomainId>0</mlppDomainId>
  <mlppIndicationStatus>Off</mlppIndicationStatus>
  <preemption>Disabled</preemption>
  <securityProfileName>Analog Phone - Standard SCCP Non-Secure
Profile</securityProfileName>
  <trunk>POTS</trunk>
  <prefixDN>123</prefixDN>
  <unAttendedPort>true</unAttendedPort>
  <retryVideoCallAsAudio>true</retryVideoCallAsAudio>
```



```
<loadInformation>cbeb</loadInformation>
</endpoint>
<endpoint index="1">
  <name>AALN/S2/1@axl</name>
  <description>VG224 sample Gateway</description>
  <product>Cisco MGCP FXS Port</product>
  <model>MGCP Station</model>
  <class>Gateway</class>
  <protocol>Analog Access</protocol>
  <protocolSide>User</protocolSide>
  <devicePoolName>Default</devicePoolName>
  <networkLocation>OnNet</networkLocation>
  <locationName>Hub_None</locationName>
  <vendorConfig>
    <A/>
  </vendorConfig>
  <versionStamp>{xxxxxxxx-xxxx-xxxx-xxxx-
xxxixxxxxxxxx}</versionStamp>
  <traceFlag>true</traceFlag>
  <mlppDomainId>0</mlppDomainId>
  <mlppIndicationStatus>Off</mlppIndicationStatus>
  <preemption>Disabled</preemption>
  <retryVideoCallAsAudio>true</retryVideoCallAsAudio>
  <packetCaptureMode>None</packetCaptureMode>
  <packetCaptureDuration>100</packetCaptureDuration>
  <csuParam>-22.5dB</csuParam>
  <trunk>Loop Start</trunk>
  <attendantDN>123</attendantDN>
  <unAttendedPort>>false</unAttendedPort>
</endpoint>
<endpoint index="2">
  <name>AALN/S2/2@axl</name>
  <description>Gateway</description>
  <product>Cisco MGCP FXS Port</product>
  <model>MGCP Station</model>
  <class>Gateway</class>
  <protocol>Analog Access</protocol>
  <protocolSide>User</protocolSide>
  <devicePoolName>Default</devicePoolName>
  <networkLocation>OnNet</networkLocation>
```





```
<locationName>Hub_None</locationName>
<vendorConfig>
  <A/>
</vendorConfig>
<versionStamp>{xxxxxxxx-xxxx-xxxx-xxxx-
xxxixxxxxxxxx}</versionStamp>
  <traceFlag>true</traceFlag>
  <mlppDomainId>0</mlppDomainId>
  <mlppIndicationStatus>Off</mlppIndicationStatus>
  <preemption>Disabled</preemption>
  <retryVideoCallAsAudio>true</retryVideoCallAsAudio>
  <packetCaptureMode>None</packetCaptureMode>
  <packetCaptureDuration>100</packetCaptureDuration>
  <csuParam>-22.5dB</csuParam>
  <trunk>Ground Start</trunk>
  <attendantDN>123</attendantDN>
  <unAttendedPort>false</unAttendedPort>
</endpoint>
<endpoint index="3">
  <name>AALN/S2/3@axl</name>
  <description>Test Gateway</description>
  <product>Cisco MGCP FXS Port</product>
  <model>MGCP Station</model>
  <class>Gateway</class>
  <protocol>Analog Access</protocol>
  <protocolSide>User</protocolSide>
  <devicePoolName>Default</devicePoolName>
  <networkLocation>OnNet</networkLocation>
  <locationName>Hub_None</locationName>
  <vendorConfig>
    <A/>
  </vendorConfig>
  <versionStamp>{xxxxxxxx-xxxx-xxxx-xxxx-
xxxixxxxxxxxx}</versionStamp>
    <traceFlag>true</traceFlag>
    <mlppDomainId>0</mlppDomainId>
    <mlppIndicationStatus>Off</mlppIndicationStatus>
    <preemption>Disabled</preemption>
    <retryVideoCallAsAudio>true</retryVideoCallAsAudio>
    <packetCaptureMode>None</packetCaptureMode>
    <packetCaptureDuration>100</packetCaptureDuration>
```



```
<csuParam>-22.5dB</csuParam>
<trunk>Ground Start</trunk>
<attendantDN>123</attendantDN>
<unAttendedPort>>false</unAttendedPort>
</endpoint>
<endpoint index="4">
    <name>AALN/S2/4@axl</name>
    <description>Test Gateway</description>
    <product>Cisco MGCP FXS Port</product>
    <model>MGCP Station</model>
    <class>Gateway</class>
    <protocol>Analog Access</protocol>
    <protocolSide>User</protocolSide>
    <devicePoolName>Default</devicePoolName>
    <networkLocation>OnNet</networkLocation>
    <locationName>Hub_None</locationName>
    <vendorConfig>
        <A/>
    </vendorConfig>
    <versionStamp>{xxxxxxxx-xxxx-xxxx-xxxx-
xxxixxxxxxxxx}</versionStamp>
    <traceFlag>>true</traceFlag>
    <mlppDomainId>0</mlppDomainId>
    <mlppIndicationStatus>Off</mlppIndicationStatus>
    <preemption>Disabled</preemption>
    <retryVideoCallAsAudio>>true</retryVideoCallAsAudio>
    <packetCaptureMode>None</packetCaptureMode>
    <packetCaptureDuration>100</packetCaptureDuration>
    <csuParam>-22.5dB</csuParam>
    <trunk>Ground Start</trunk>
    <attendantDN>123</attendantDN>
    <unAttendedPort>>false</unAttendedPort>
</endpoint>
<endpoint index="5">
    <name>AALN/S2/5@axl</name>
    <description>Test Gateway</description>
    <product>Cisco MGCP FXS Port</product>
    <model>MGCP Station</model>
    <class>Gateway</class>
    <protocol>Analog Access</protocol>
```



```
<protocolSide>User</protocolSide>
<devicePoolName>Default</devicePoolName>
<networkLocation>OnNet</networkLocation>
<locationName>Hub_None</locationName>
<vendorConfig>
  <A/>
</vendorConfig>
<versionStamp>{xxxxxxxx-xxxx-xxxx-xxxx-
xxxixxxxxxxxx}</versionStamp>
<traceFlag>true</traceFlag>
<mlppDomainId>0</mlppDomainId>
<mlppIndicationStatus>Off</mlppIndicationStatus>
<preemption>Disabled</preemption>
<retryVideoCallAsAudio>true</retryVideoCallAsAudio>
<packetCaptureMode>None</packetCaptureMode>
<packetCaptureDuration>100</packetCaptureDuration>
<csuParam>-22.5dB</csuParam>
<trunk>Ground Start</trunk>
<attendantDN>123</attendantDN>
<unAttendedPort>>false</unAttendedPort>
</endpoint>
</endpoints>
</subunit>
</subunits>
</unit>
</units>

</axlapi:updateVG224>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## SCCP

Given below is the sample request to update an SCCP VG224 Gateway entry:

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <axlapi:updateVG224 sequence="1" xmlns:axlapi="http://www.cisco.com/AXL/API/1.0"
xmlns:axl="http://www.cisco.com/AXL/1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xsi:schemaLocation="http://www.cisco.com/AXL/API/1.0 axlsoap.xsd">
```



```
<domainName>SKIGW4444444444</domainName>
<newDomainName>SKIGW3333333333</newDomainName>
<description>This is a sample gateway</description>
<callManagerGroupName>Default</callManagerGroupName>
<units>
  <unit index="2">
    <product>ANALOG</product>
    <subunits>
      <subunit index="0">
        <product>24FXS-SCCP</product>
        <endpoints>
          <endpoint index="0">
            <name>AN4444444444400</name>
            <description>This is a sample VG224 Gateway</description>
            <callingSearchSpaceName>AXL-
CSS</callingSearchSpaceName>
            <devicePoolName>Default</devicePoolName>
            <locationName>Hub_None</locationName>
            <mlppDomainId>0</mlppDomainId>
            <mlppIndicationStatus>Off</mlppIndicationStatus>
            <preemption>Disabled</preemption>
            <securityProfileName>Analog Phone - Standard SCCP Non-
Secure Profile</securityProfileName>
            <vendorConfig>
              <A/>
            </vendorConfig>
            <presenceGroupName></presenceGroupName>
            <lines>
              <line index="1">
                <label>updated Line 1</label>
                <display>updated Line 1</display>
                <dirn>
                  <pattern>6662</pattern>
                  <description>Hello</description>
                  <usage>Device</usage>
                </dirn>
                <ringSetting>Flash Only</ringSetting>
                <consecutiveRingSetting>Ring</consecutiveRingSetting>
                <e164Mask>01234565</e164Mask>
                <dialPlanWizardId>2345567</dialPlanWizardId>
                <mwIPolicy>Use System Policy</mwIPolicy>
```



```
<maxNumCalls>2</maxNumCalls>
<busyTrigger>1</busyTrigger>
<callInfoDisplay>
  <callerName>true</callerName>
  <callerNumber>true</callerNumber>
  <redirectedNumber>true</redirectedNumber>
  <dialedNumber>true</dialedNumber>
</callInfoDisplay>
</line>
</lines>
<unAttendedPort>>false</unAttendedPort>
<allowCtiControlFlag></allowCtiControlFlag>
<remoteDevice></remoteDevice>
<phoneTemplate>Standard Analog</phoneTemplate>
</endpoint>
<endpoint index="1">
  <name>AN4444444444401</name>
  <description>This is a sample VG224 Gateway</description>
  <callingSearchSpaceName>AXL-
CSS</callingSearchSpaceName>
  <devicePoolName>Default</devicePoolName>
  <locationName>Hub_None</locationName>
  <mlppDomainId>0</mlppDomainId>
  <mlppIndicationStatus>Off</mlppIndicationStatus>
  <preemption>Disabled</preemption>
  <securityProfileName>Analog Phone - Standard SCCP Non-
Secure Profile</securityProfileName>
  <vendorConfig>
    <A/>
  </vendorConfig>
  <presenceGroupName></presenceGroupName>
  <unAttendedPort>>false</unAttendedPort>
  <allowCtiControlFlag></allowCtiControlFlag>
  <remoteDevice></remoteDevice>
  <phoneTemplate>Standard Analog</phoneTemplate>
</endpoint>
<endpoint index="2">
  <name>AN4444444444402</name>
  <description>This is a sample VG224 Gateway</description>
  <callingSearchSpaceName>AXL-
CSS</callingSearchSpaceName>
```



```
<devicePoolName>Default</devicePoolName>
<locationName>Hub_None</locationName>
<mlppDomainId>0</mlppDomainId>
<mlppIndicationStatus>Off</mlppIndicationStatus>
<preemption>Disabled</preemption>
<securityProfileName>Analog Phone - Standard SCCP Non-
Secure Profile</securityProfileName>
<A/>
<vendorConfig>
</vendorConfig>
<presenceGroupName></presenceGroupName>
<unAttendedPort>>false</unAttendedPort>
<allowCtiControlFlag></allowCtiControlFlag>
<remoteDevice></remoteDevice>
<phoneTemplate>Standard Analog</phoneTemplate>
</endpoint>
<endpoint index="3">
<name>AN4444444444403</name>
<description>This is a sample VG224 Gateway</description>
<product>Analog Phone</product>
<model>Analog Phone</model>
<class>Phone</class>
<protocol>SCCP</protocol>
<protocolSide>User</protocolSide>
<callingSearchSpaceName>AXL-
CSS</callingSearchSpaceName>
<devicePoolName>Default</devicePoolName>
<locationName>Hub_None</locationName>
<mlppDomainId>0</mlppDomainId>
<mlppIndicationStatus>Off</mlppIndicationStatus>
<preemption>Disabled</preemption>
<securityProfileName>Analog Phone - Standard SCCP Non-
Secure Profile</securityProfileName>
<A/>
<vendorConfig>
</vendorConfig>
<presenceGroupName></presenceGroupName>
<unAttendedPort>>false</unAttendedPort>
<allowCtiControlFlag></allowCtiControlFlag>
<remoteDevice></remoteDevice>
<phoneTemplate>Standard Analog</phoneTemplate>
</endpoint>
```



```
        </endpoints>
      </subunit>
    </subunits>
  </unit>
</units>
</axlapi:updateVG224>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## Removing VG224 Gateway

Given below is a sample request to remove the VG224 Gateway:

The request deletes all the gateway related entries from all the tables as it is a cascaded delete.

**<!-- edited with XMLSPY v5 rel. 4 U (<http://www.xmlspy.com>) by Jerry Vander Voord (Cisco Systems) -->**

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <axlapi:removeVG224 sequence="1"
xmlns:axlapi="http://www.cisco.com/AXL/API/1.0" xmlns:axl="http://www.cisco.com/AXL/1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.cisco.com/AXL/API/1.0 axlsoap.xsd">
      <domainName>GWGWGW1</domainName>
    </axlapi:removeVG224>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

## Getting VG224 Gateway

Given below is a sample request to get the VG224 gateway and the endpoints associated with it:

**<!-- edited with XMLSPY v5 rel. 4 U (<http://www.xmlspy.com>) by Jerry Vander Voord (Cisco Systems) -->**

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
  <SOAP-ENV:Body>
    <axlapi:getVG224 sequence="1" xmlns:axlapi="http://www.cisco.com/axlapi/API/1.0">
      <domainName>axl</domainName>
    </axlapi:getVG224>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```



</SOAP-ENV:Body>  
</SOAP-ENV:Envelope>

## FurtherDetails

For more details on DB schema , please see the CM Data Dictionary documents available at:  
<http://developer.cisco.com/web/axl/resources>