



ศูนย์เทคโนโลยีสารสนเทศและการสื่อสาร สบ.มท.  
Information and Communication Technology Center.

**SAMART**

## IP Telephony

การเพิ่ม, ตรวจสอบ, ลบ, เปลี่ยน Cisco IP Phone

ศูนย์เทคโนโลยีสารสนเทศและการสื่อสาร สบ.มท.



Cisco 8845



Cisco 7841

# เพิ่ม Cisco IP Phone เข้าไปในระบบ

- Login ด้วย Username และ Password ที่ได้รับจากผู้ดูแลระบบ

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

Navigation Cisco Unified CM Administration Go

**Cisco Unified CM Administration**

Username  
administrator

Password  
.....

Login Reset

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For information about Cisco Unified Communications Manager please visit our [Unified Communications System Documentation](#) web site.

For Cisco Technical Support please visit our [Technical Support](#) web site.

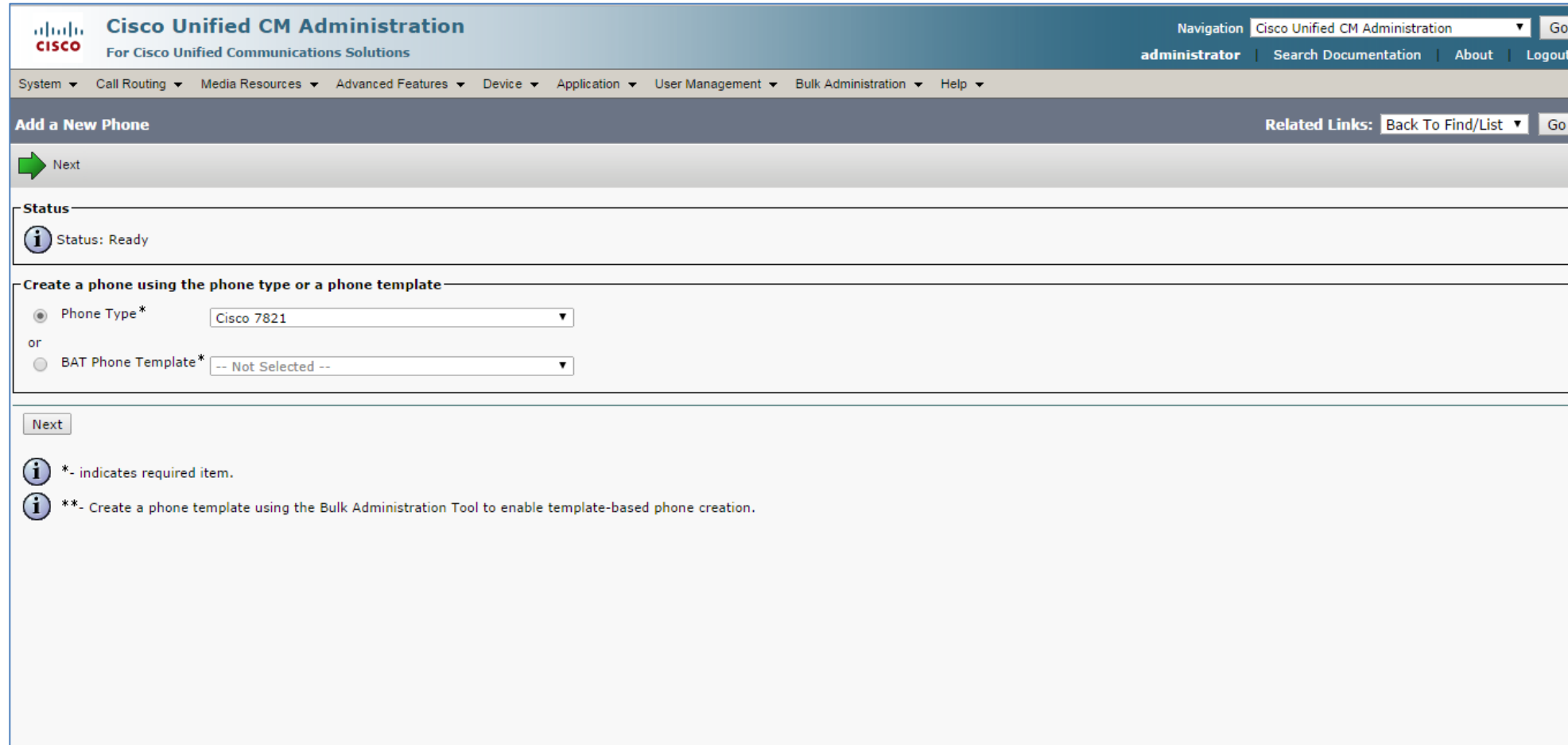
# เพิ่ม Cisco IP Phone เข้าไปในระบบ

- เลือก Device > Phone > Add New

The screenshot displays the Cisco Unified CM Administration web interface. At the top, the Cisco logo and the text 'Cisco Unified CM Administration For Cisco Unified Communications Solutions' are visible. Below this is a navigation bar with several menu items: System, Call Routing, Media Resources, Advanced Features, Device, Application, User Management, Bulk Administration, and Help. The 'Device' menu is currently open, showing a list of options: CTI Route Point, Gatekeeper, Gateway, Phone (which is highlighted), Trunk, Remote Destination, and Device Settings. In the background, the 'Phone Configuration' section is partially visible, showing a toolbar with icons for Save, Delete, Copy, Reset, and Apply Config. Below the toolbar, the 'Status' section shows 'Status: Ready' with an information icon. The 'Association' section is also partially visible, showing a 'Modify Button Items' button. At the bottom right of the interface, the 'Product Type' is listed as 'Cisco 7841'.

# เพิ่ม Cisco IP Phone เข้าไปในระบบ

- เลือก Phone Type\* และเลือก Next



**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration Go  
administrator | Search Documentation | About | Logout

System ▾ Call Routing ▾ Media Resources ▾ Advanced Features ▾ Device ▾ Application ▾ User Management ▾ Bulk Administration ▾ Help ▾

**Add a New Phone** Related Links: Back To Find/List Go

Next

**Status**  
Status: Ready

**Create a phone using the phone type or a phone template**

Phone Type\* Cisco 7821 ▾  
or  
 BAT Phone Template\* -- Not Selected -- ▾

Next

**i** \*- indicates required item.  
**i** \*\*- Create a phone template using the Bulk Administration Tool to enable template-based phone creation.

หน้า Phone Configuration ข้อมูลที่ต้องใส่ มีดังต่อไปนี้

- Device Information
  - Mac address
  - Description
  - Device pool
  - Phone button template
  - Soft key Template
  - Calling search space
  - Media Resource Group List
  - Owner
  - Owner User ID\*

หน้า Phone Configuration ข้อมูลที่ต้องใส่ มีดังต่อไปนี้

- Protocol Specific Information
  - Device Security Profile Required Field
  - SIP Profile Required Field
  - Digest User

จากนั้นคลิกปุ่ม save

# เพิ่ม Cisco IP Phone เข้าไปในระบบ

- ที่หน้า Phone Configuration

**Device Information**

Device is Active  
 Device is trusted

MAC Address\* 045FB90F7DD7  
(SEP045FB90F7DD7)

Description 50246

Current [On-Premise Onboarding Method](#) is set to Autoregistration. Activation Code will only apply to onboarding via MRA.

Require Activation Code for Onboarding  
 Allow Activation Code via MRA

Activation Code MRA Service Domain -- Not Selected -- [View Details](#)

Device Pool\* 02-MOI-DP [View Details](#)

Common Device Configuration < None > [View Details](#)

Phone Button Template\* Standard 7841 SIP **Find**

Softkey Template MOI Standard User 7841

Common Phone Profile\* Standard Common Phone Profile [View Details](#)

Calling Search Space 02\_MOI\_class\_2

AAR Calling Search Space < None >

Media Resource Group List 02-MOI-MRGL

User Hold MOH Audio Source < None >



# เพิ่ม Cisco IP Phone เข้าไปในระบบ

User Hold MOH Audio Source	< None >	▼
Network Hold MOH Audio Source	< None >	▼
Location*	Hub_None	▼
AAR Group	< None >	▼
User Locale	< None >	▼
Network Locale	< None >	▼
Built In Bridge*	Default	▼
Privacy*	Default	▼
Device Mobility Mode*	Default	▼ <a href="#">View Current Device Mobility Settings</a>
Owner	<input checked="" type="radio"/> User <input type="radio"/> Anonymous (Public/Shared Space)	
Owner User ID*	u50246	▼ <b>Find</b>
Mobility User ID	< None >	▼
Phone Personalization*	Default	▼
Services Provisioning*	Default	▼
Phone Load Name	<input type="text"/>	
Use Trusted Relay Point*	Default	▼
BLF Audible Alert Setting (Phone Idle)*	Default	▼
BLF Audible Alert Setting (Phone Busy)*	Default	▼
Always Use Prime Line*	Default	▼
Always Use Prime Line for Voice Message*	Default	▼
Geolocation	< None >	▼

**Protocol Specific Information**

Packet Capture Mode*	None	▼
Packet Capture Duration	0	
BLF Presence Group*	Standard Presence group	▼
SIP Dial Rules	< None >	▼
MTP Preferred Originating Codec*	711ulaw	▼
Device Security Profile*	Cisco 7841 - Standard SIP Non-Secure Profile	▼
Rerouting Calling Search Space	< None >	▼
SUBSCRIBE Calling Search Space	< None >	▼
SIP Profile*	Standard SIP Profile	▼ <a href="#">View Details</a>
Digest User	u50246	▼ <b>Find</b>

Media Termination Point Required  
 Unattended Port  
 Require DTMF Reception

# เพิ่ม Cisco IP Phone เข้าไปในระบบ

- หลังจากกดปุ่ม save แล้วจะมีแถบทางซ้ายมือปรากฏขึ้น (Association Information) และคลิกที่ Line [x] – Add a new DN เพื่อที่จะเพิ่มเบอร์

The screenshot displays the Cisco Unified CM Administration web interface. At the top, the navigation menu includes 'System', 'Call Routing', 'Media Resources', 'Advanced Features', 'Device', 'Application', 'User Management', 'Bulk Administration', and 'Help'. The main content area is titled 'Phone Configuration' and shows a 'Status' message: 'Add successful'. Below this, the 'Association' section contains a list of lines, with the first line, 'Line [1] - Add a new DN', highlighted in a red box. The 'Phone Type' section shows 'Product Type: Cisco 7821' and 'Device Protocol: SIP'. The 'Real-time Device Status' section shows 'Registration: Unknown' and 'IPv4 Address: None'. The 'Device Information' section includes checkboxes for 'Device is Active' and 'Device is trusted', and fields for 'MAC Address\*' (BC671C31C946), 'Description' (SEPBC671C31C946), 'Device Pool\*' (BKN), 'Common Device Configuration' (< None >), and 'Phone Button Template\*' (Standard 7821 SIP).

เมื่อหน้า Directory Number Configuration ปรากฏขึ้นมา

ข้อมูลที่สำคัญที่จำเป็นต้องใส่มีดังนี้

- Directory number
- Route Partition

ข้อมูลที่มีความสำคัญแต่ไม่จำเป็นต้องใส่มีดังนี้

- Call Forward - ในช่องนี้ใส่หมายเลขที่ต้องการโอนสายไป.
- Call Pickup - ใส่กลุ่มในการดึงสาย
- Display - ใส่ชื่อที่ต้องการให้แสดงที่ฝั่งปลายทาง เวลาโทรเข้ามา
- ASCII display - ใส่ชื่อที่ต้องการให้แสดงที่ฝั่งปลายทาง เวลาโทรเข้ามา
- Line text label - ใส่ชื่อที่ต้องการให้แสดงบนหน้าจอ
- ASCII line text label- ใส่ชื่อที่ต้องการให้แสดงบนหน้าจอ

# เพิ่ม Cisco IP Phone เข้าไปในระบบ

- ที่หน้า Directory Number Configuration

The screenshot shows the Cisco Unified CM Administration interface for configuring a Directory Number. The page title is "Cisco Unified CM Administration For Cisco Unified Communications Solutions". The navigation menu includes System, Call Routing, Media Resources, Advanced Features, Device, Application, User Management, Bulk Administration, and Help. The main content area is titled "Directory Number Configuration" and includes a "Save" button. The "Status" section shows "Status: Ready". The "Directory Number Information" section contains fields for "Directory Number\*", "Route Partition" (set to "< None >"), "Urgent Priority" (checkbox), "Description", "Alerting Name", "ASCII Alerting Name", "External Call Control Profile" (set to "< None >"), and "Active" (checkbox). The "Directory Number Settings" section contains fields for "Voice Mail Profile" (set to "< None >"), "Calling Search Space" (set to "< None >"), "BLF Presence Group\*" (set to "Standard Presence group"), "User Hold MOH Audio Source" (set to "< None >"), "Network Hold MOH Audio Source" (set to "< None >"), "Auto Answer\*" (set to "Auto Answer Off"), and "Reject Anonymous Calls" (checkbox).

# เพิ่ม Cisco IP Phone เข้าไปในระบบ

- ที่หน้า Directory Number Configuration

The screenshot displays the Cisco Unified CM Administration interface for Directory Number Configuration. The page includes a navigation bar at the top with the Cisco logo and the text "Cisco Unified CM Administration For Cisco Unified Communications Solutions". The main content area is titled "Directory Number Configuration" and features a toolbar with icons for Save, Delete, Reset, Apply Config, and Add New. A checkbox labeled "Retain this destination in the call forwarding history" is checked. Below this, a section titled "Call Forward and Call Pickup Settings" contains a table with columns for "Voice Mail", "Destination", and "Calling Search Space". The "Calling Search Space" column has a dropdown menu set to "04\_BKN\_Domestic\_CSS". At the bottom of the page, a "Call Pickup Group" dropdown menu is set to "7000-Admission in 01\_BKN\_Internal\_PT".

	Voice Mail	Destination	Calling Search Space
Calling Search Space Activation Policy			Use System Default
Forward All	<input type="checkbox"/> or		04_BKN_Domestic_CSS
Secondary Calling Search Space for Forward All			< None >
Forward Busy Internal	<input type="checkbox"/> or		< None >
Forward Busy External	<input type="checkbox"/> or		< None >
Forward No Answer Internal	<input type="checkbox"/> or		< None >
Forward No Answer External	<input type="checkbox"/> or		< None >
Forward No Coverage Internal	<input type="checkbox"/> or		< None >
Forward No Coverage External	<input type="checkbox"/> or		< None >
Forward on CTI Failure	<input type="checkbox"/> or		< None >
Forward Unregistered Internal	<input type="checkbox"/> or		< None >
Forward Unregistered External	<input type="checkbox"/> or		< None >
No Answer Ring Duration (seconds)			
Call Pickup Group			7000-Admission in 01_BKN_Internal_PT

# เพิ่ม Cisco IP Phone เข้าไปในระบบ

- ที่หน้า Directory Number Configuration

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration Go  
administrator | Search Documentation | About | Logout

System | Call Routing | Media Resources | Advanced Features | Device | Application | User Management | Bulk Administration | Help

**Directory Number Configuration** Related Links: Configure Device (SEPBC671C31C946) Go

Save Delete Reset Apply Config Add New

Hold Reversion Notification Interval (seconds)  Setting the Hold Reversion Notification Interval to zero will disable the feature

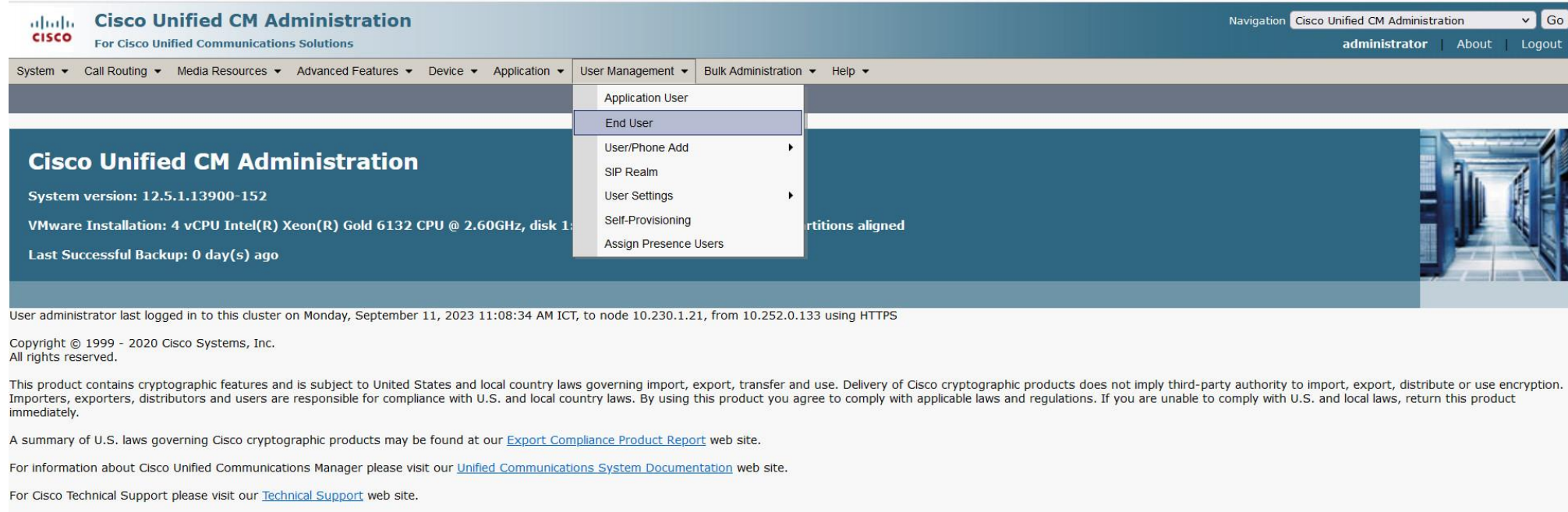
Party Entrance Tone\*

**Line 1 on Device SEPBC671C31C946**

Display (Caller ID)	<input type="text" value="test 01"/>	Display text for a line appearance is intended for displaying text such as a name instead of a directory number for calls. If you specify a number, the person receiving a call may not see the proper identity of the caller.
ASCII Display (Caller ID)	<input type="text" value="test 01"/>	
Line Text Label	<input type="text" value="test 01"/>	
External Phone Number Mask	<input type="text"/>	
Visual Message Waiting Indicator Policy*	<input type="text" value="Use System Policy"/>	
Audible Message Waiting Indicator Policy*	<input type="text" value="Default"/>	
Ring Setting (Phone Idle)*	<input type="text" value="Use System Default"/>	
Ring Setting (Phone Active)	<input type="text" value="Use System Default"/>	Applies to this line when any line on the phone has a call in progress.
Call Pickup Group Audio Alert Setting(Phone Idle)	<input type="text" value="Use System Default"/>	
Call Pickup Group Audio Alert Setting(Phone Active)	<input type="text" value="Use System Default"/>	
Recording Option*	<input type="text" value="Call Recording Disabled"/>	
Recording Profile	<input type="text" value="&lt; None &gt;"/>	

# เพิ่ม Cisco IP Phone เข้าไปในระบบ

- กำหนด Device Association ให้กับ User โดยเลือก User Management > End User



The screenshot displays the Cisco Unified CM Administration web interface. The top navigation bar includes the Cisco logo, the title "Cisco Unified CM Administration For Cisco Unified Communications Solutions", and a navigation dropdown menu currently set to "Cisco Unified CM Administration". Below the navigation bar, a secondary menu shows "System", "Call Routing", "Media Resources", "Advanced Features", "Device", "Application", "User Management", "Bulk Administration", and "Help". The "User Management" dropdown is expanded, showing options: "Application User", "End User" (highlighted), "User/Phone Add", "SIP Realm", "User Settings", "Self-Provisioning", and "Assign Presence Users". The main content area features a header with "Cisco Unified CM Administration" and system details: "System version: 12.5.1.13900-152", "VMware Installation: 4 vCPU Intel(R) Xeon(R) Gold 6132 CPU @ 2.60GHz, disk 1:", and "Last Successful Backup: 0 day(s) ago". Below this, a status message reads: "User administrator last logged in to this cluster on Monday, September 11, 2023 11:08:34 AM ICT, to node 10.230.1.21, from 10.252.0.133 using HTTPS". The footer contains copyright information and legal disclaimers.



# เพิ่ม Cisco IP Phone เข้าไปในระบบ

- ใส่ User ID ลงในช่องค้นหาและเลือก Find

The screenshot shows the 'Find and List Users' interface in Cisco Unified CM Administration. The search criteria are set to 'User ID contains u50441'. The 'Find' button is circled in red. Below the search bar, a message states: 'No active query. Please enter your search criteria using the options above.'

- เลือก User ID

The screenshot shows the search results for the user ID 'u50441'. The 'Find' button is circled in red. The results table is as follows:

	User ID ^	Meeting Number	First Name	Last Name	Department	Directory URI	User Status	User Rank
<input type="checkbox"/>	u50441	50441		50441			Enabled Local User	1

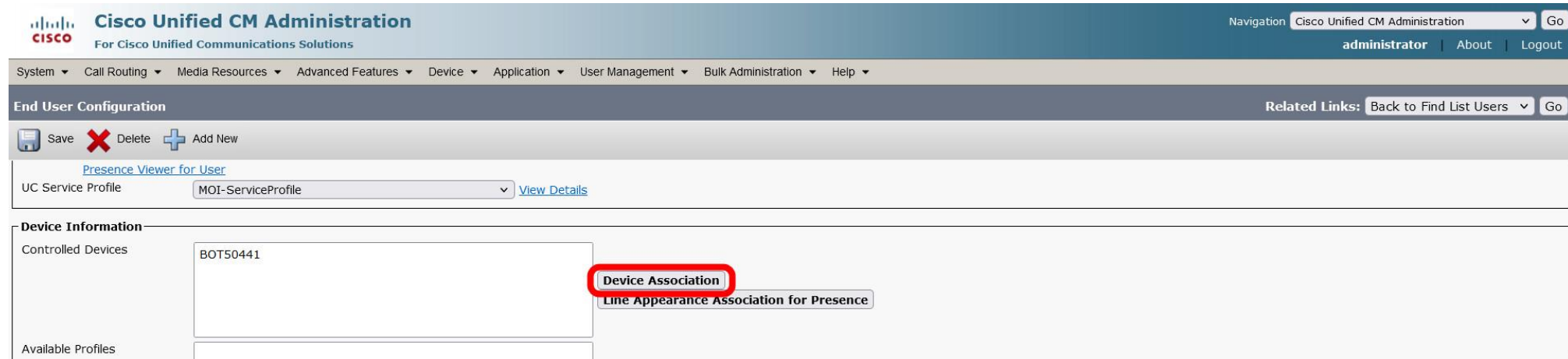
# เพิ่ม Cisco IP Phone เข้าไปในระบบ

- ที่หัวข้อ Device Information ให้เลือก Device Association

The screenshot displays the Cisco Unified CM Administration web interface. At the top, the navigation bar includes the Cisco logo, the title "Cisco Unified CM Administration", and the user role "administrator". Below this, a menu bar lists various system functions. The main content area is titled "End User Configuration" and shows the "UC Service Profile" set to "MOI-ServiceProfile". The "Device Information" section is active, with the "Controlled Devices" field containing "BOT50441". A red box highlights the "Device Association" button, which is labeled "Line Appearance Association for Presence". Other fields like "Available Profiles" and "CTI Controlled Device Profiles" are also visible but empty.

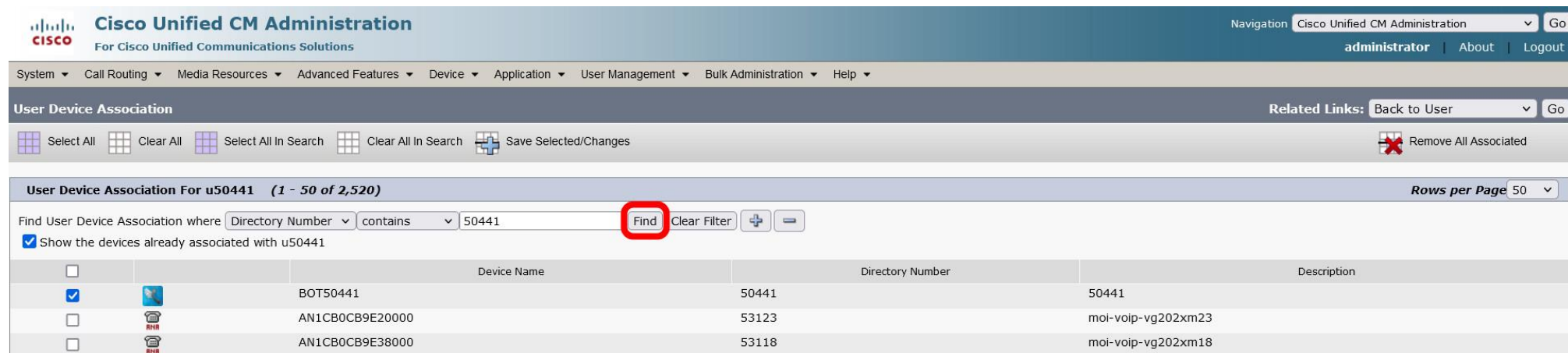
# เพิ่ม Cisco IP Phone เข้าไปในระบบ

- ที่หัวข้อ Device Information ให้เลือก Device Association






The screenshot shows the Cisco Unified CM Administration interface. The 'Device Information' section is active, displaying 'Controlled Devices' with the value 'BOT50441'. A red circle highlights the 'Device Association' button, which is labeled 'Line Appearance Association for Presence'. The interface also shows 'Available Profiles' and navigation options like 'Save', 'Delete', and 'Add New'.

- ใส่ข้อมูลที่ต้องการค้นหา เช่น Directory Number และเลือก Find



The screenshot shows the Cisco Unified CM Administration interface for 'User Device Association'. The search criteria are set to 'Directory Number' contains '50441'. The 'Find' button is highlighted with a red circle. Below the search bar, there is a table of associated devices.

		Device Name	Directory Number	Description
<input checked="" type="checkbox"/>		BOT50441	50441	50441
<input type="checkbox"/>		AN1CB0CB9E20000	53123	moi-voip-vg202xm23
<input type="checkbox"/>		AN1CB0CB9E38000	53118	moi-voip-vg202xm18

# เพิ่ม Cisco IP Phone เข้าไปในระบบ

- คลิกเครื่องหมายถูกที่หน้าข้อมูลที่ปรากฏ และเลือก Save Selected/Changes

Cisco Unified CM Administration  
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration Go  
administrator | About | Logout

System Call Routing Media Resources Advanced Features Device Application User Management Bulk Administration Help

User Device Association Related Links: Back to User Go

Select All Clear All Select All In Search Clear All In Search Save Selected/Changes

User Device Association For u50441 (1 - 2 of 2) Rows per Page 50

Find User Device Association where Directory Number contains 50441 Find Clear Filter

Show the devices already associated with u50441

	Device Name	Directory Number	Description
<input checked="" type="checkbox"/>	BOT50441	50441	50441
<input type="checkbox"/>	SEP045FB90F91C0	50441	50441

Select All Clear All Select All In Search Clear All In Search Save Selected/Changes

System Call Routing Media Resources Advanced Features Device Application User Management Bulk Administration Help

User Device Association Related Links: Back to User Go

Select All Clear All Select All In Search Clear All In Search Save Selected/Changes

User Device Association For u50441 (1 - 2 of 2) Rows per Page 50

Find User Device Association where Directory Number contains 50441 Find Clear Filter

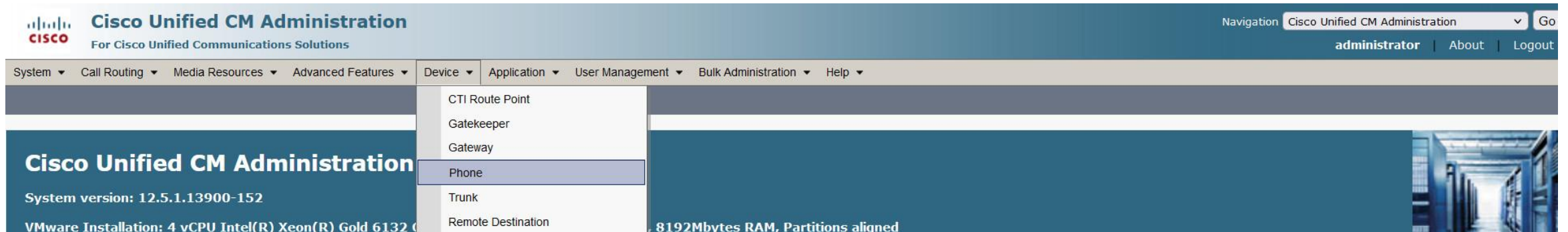
Show the devices already associated with u50441

	Device Name	Directory Number	Description
<input checked="" type="checkbox"/>	BOT50441	50441	50441
<input checked="" type="checkbox"/>	SEP045FB90F91C0	50441	50441

Select All Clear All Select All In Search Clear All In Search Save Selected/Changes

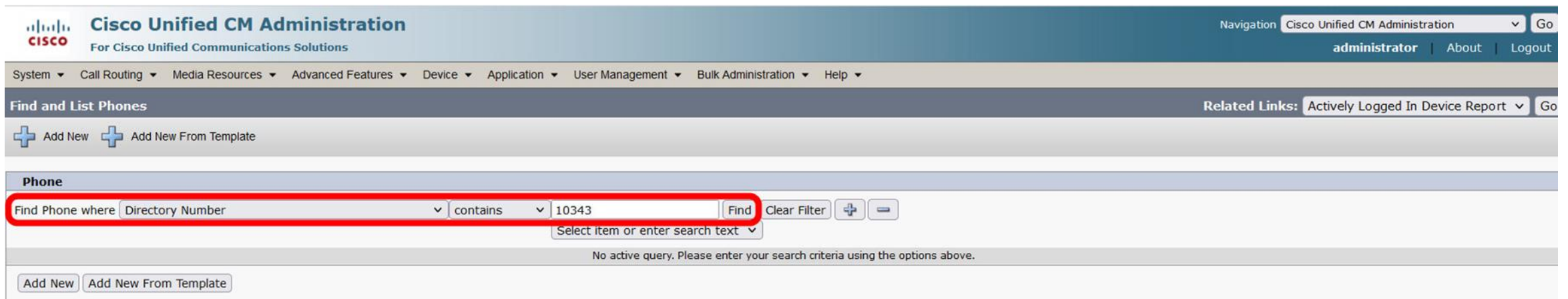
# ตรวจสอบสถานะ Cisco IP Phone

- เลือก Device > Phone



The screenshot shows the Cisco Unified CM Administration web interface. The top navigation bar includes the Cisco logo, the title 'Cisco Unified CM Administration', and the user role 'administrator'. A secondary navigation bar contains various menu items: System, Call Routing, Media Resources, Advanced Features, Device, Application, User Management, Bulk Administration, and Help. The 'Device' menu is expanded, showing options like CTI Route Point, Gatekeeper, Gateway, Phone (highlighted), Trunk, and Remote Destination. The main content area displays system information: 'System version: 12.5.1.13900-152' and 'VMware Installation: 4 vCPU Intel(R) Xeon(R) Gold 6132 (C) 2019 Intel Corporation, 8192Mbytes RAM, Partitions aligned'.

- เลือกข้อมูลในช่อง Find Phone where , ใส่ข้อมูลที่ต้องการค้นหา และเลือก Find



The screenshot shows the 'Find and List Phones' page in the Cisco Unified CM Administration interface. The page title is 'Find and List Phones'. Below the title, there are two buttons: '+ Add New' and '+ Add New From Template'. The main section is titled 'Phone' and contains a search bar. The search bar has a dropdown menu set to 'Find Phone where', a text input field containing 'Directory Number', a dropdown menu set to 'contains', and another text input field containing '10343'. To the right of the search bar are buttons for 'Find', 'Clear Filter', and a plus/minus icon. Below the search bar, there is a dropdown menu with the text 'Select item or enter search text'. At the bottom of the page, there are two buttons: 'Add New' and 'Add New From Template'. A message at the bottom of the page reads: 'No active query. Please enter your search criteria using the options above.'

# ตรวจสอบสถานะ Cisco IP Phone

- เลือก Device > Phone จากนั้นกดปุ่ม Find เพื่อแสดงรายการโทรศัพท์ที่ต้องการออกมา และตรวจสอบสถานะ IP Phone ในช่อง Status

The screenshot shows the Cisco Unified CM Administration web interface. The top navigation bar includes the Cisco logo and the text "Cisco Unified CM Administration For Cisco Unified Communications Solutions". The user is logged in as "administrator". The main menu includes "System", "Call Routing", "Media Resources", "Advanced Features", "Device", "Application", "User Management", "Bulk Administration", and "Help". The "Find and List Phones" section is active, showing "2 records found". The "Query Information" section states: "Searching on a directory number may show the same device name multiple times depending on the number of lines configured per device." The "Phone" section shows a search for "10343" in the "Directory Number" field. The search results table is as follows:

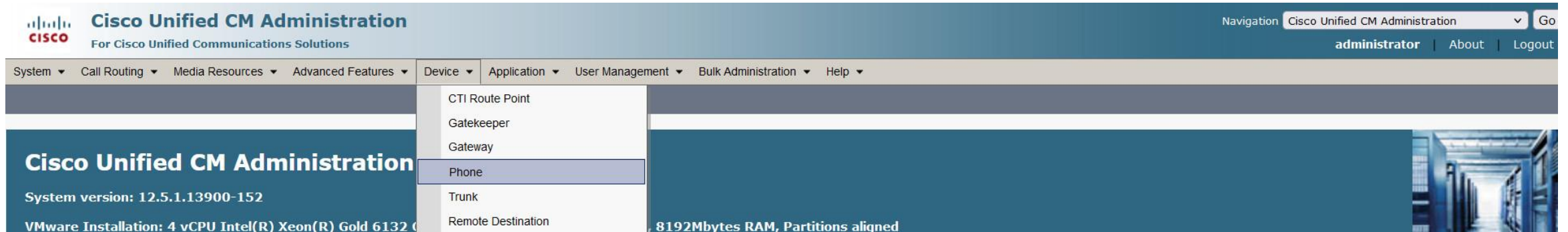
Device Name(Line)	Description	Device Pool	Extension	Partition	Device Protocol	Status	Last Registered	Last Active	Unified CM	IPv4 Address	Copy	Super Copy
BOT10343(1)	10343	01-RG1-DP	10343	Internal_PT	SIP	None	Never			None		
SEP045FB90F95CE(1)	10343	01-RG1-DP	10343	Internal_PT	SIP	Registered	Now	Jun 12, 2023 4:01:46 PM	rg1-voip-cucm01.moi.go.th	10.228.16.93		

- การลบข้อมูลโทรศัพท์
  - ไปที่ Device > Phone
  - จากนั้นกดปุ่ม Find เพื่อแสดงรายการโทรศัพท์ที่ต้องการออกมา
  - กดติ๊กเครื่องหมายถูกที่บริเวณหน้าโทรศัพท์ ที่ต้องการจะลบ
  - กดปุ่ม Delete เพื่อลบข้อมูลโทรศัพท์ที่ถูกติ๊กไว้ทั้งหมด

The screenshot displays the 'Phone Configuration' page in the CUCM administration interface. At the top, there is a navigation menu with options like System, Call Routing, Media Resources, Advanced Features, Device, Application, User Management, Bulk Administration, and Help. Below the navigation, the page title is 'Phone Configuration' and there are 'Related Links' such as 'Back To Find/List'. A toolbar contains several action buttons: Save, Delete (highlighted with a red box), Copy, Reset, Apply Config, and Add New. The main content area is divided into sections: 'Status' (Status: Ready), 'Association' (a table with 6 rows for line associations), 'Phone Type' (Product Type: Cisco 7841, Device Protocol: SIP), and 'Real-time Device Status' (Registration: Registered with Cisco Unified Communications Manager 10.5.200.1, IPv4 Address: 10.6.212.34, Active Load ID: sip78xx.10-2-1-12SR1-4, Inactive Load ID: sip78xx.10-2-1-12, Download Status: None).

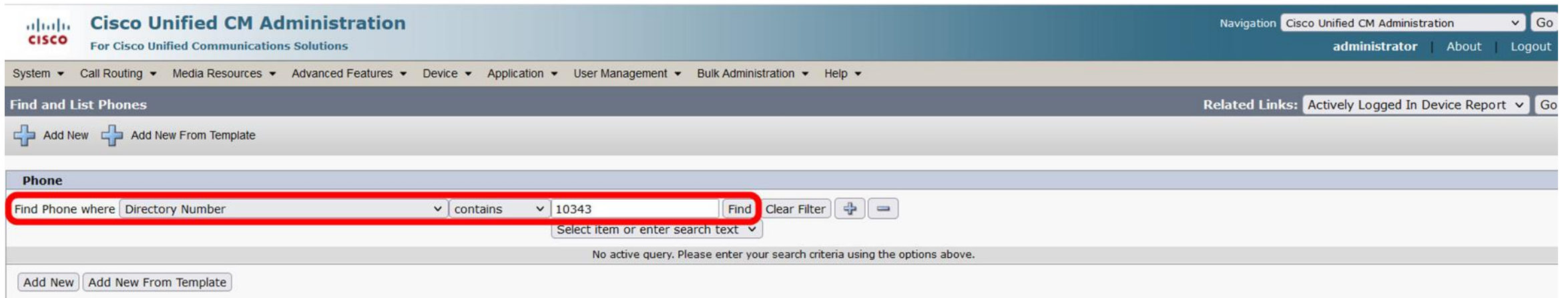
# เปลี่ยนเครื่อง IP Phone ในระบบ

- เลือก Device > Phone



The screenshot shows the Cisco Unified CM Administration web interface. The top navigation bar includes the Cisco logo, the title 'Cisco Unified CM Administration', and the user 'administrator'. A secondary navigation bar contains various menu items: System, Call Routing, Media Resources, Advanced Features, Device, Application, User Management, Bulk Administration, and Help. The 'Device' menu is expanded, showing options like CTI Route Point, Gatekeeper, Gateway, Phone (highlighted), Trunk, and Remote Destination. The main content area displays system information such as 'System version: 12.5.1.13900-152' and 'VMware Installation: 4 vCPU Intel(R) Xeon(R) Gold 6132'.

- เลือกข้อมูลในช่อง Find Phone where , ใส่ข้อมูลที่ต้องการค้นหา และเลือก Find



The screenshot shows the 'Find and List Phones' page in the Cisco Unified CM Administration interface. The page title is 'Find and List Phones'. Below the title, there are two buttons: '+ Add New' and '+ Add New From Template'. The main section is titled 'Phone' and contains a search bar. The search bar has a dropdown menu set to 'Find Phone where', a text input field containing 'Directory Number', a dropdown menu set to 'contains', and another text input field containing '10343'. To the right of the search bar are buttons for 'Find', 'Clear Filter', and a plus/minus icon. Below the search bar, there is a dropdown menu with the text 'Select item or enter search text'. At the bottom of the page, there are two buttons: 'Add New' and 'Add New From Template'. A message at the bottom of the page reads: 'No active query. Please enter your search criteria using the options above.'



# เปลี่ยนเครื่อง IP Phone ในระบบ

- เลือกชื่อ IP Phone ที่ปรากฏในช่อง Device Name(Line)

The screenshot shows the Cisco Unified CM Administration interface. The main heading is "Cisco Unified CM Administration" with the tagline "For Cisco Unified Communications Solutions". The navigation bar includes "Navigation Cisco Unified CM Administration" and "Go". The user is logged in as "administrator". The main menu includes "System", "Call Routing", "Media Resources", "Advanced Features", "Device", "Application", "User Management", "Bulk Administration", and "Help".

The "Find and List Phones" section is active. It shows "2 records found" under the "Status" section. The "Query Information" section states: "Searching on a directory number may show the same device name multiple times depending on the number of lines configured per device."

The "Phone" section shows a search for "10343" in the "Directory Number" field. The search results are displayed in a table:

Phone	Device Name(Line) ^	Description	Device Pool	Extension	Partition	Device Protocol	Status	Last Registered	Last Active	Unified CM	IPv4 Address	Copy	Super Copy
<input type="checkbox"/>	<a href="#">BOT10343(1)</a>	10343	01-RG1-DP	10343	Internal_PT	SIP	None	Never			None		
<input type="checkbox"/>	<a href="#">SEP045FB90F95CE(1)</a>	10343	01-RG1-DP	10343	Internal_PT	SIP	Registered	Now	Jun 12, 2023 4:01:46 PM	rg1-voip-cucm01.moi.go.th	10.228.16.93		

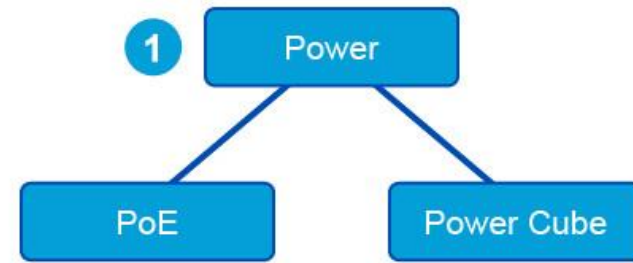
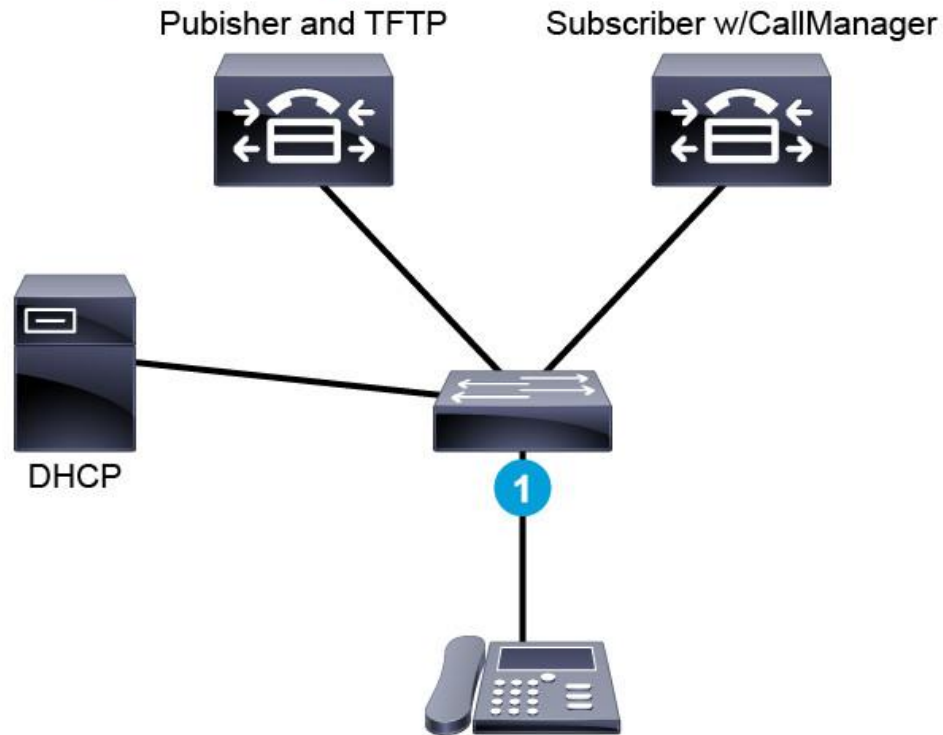
The "SEP045FB90F95CE(1)" entry is highlighted with a red circle. The interface also includes buttons for "Add New", "Add New From Template", "Select All", "Clear All", "Delete Selected", "Reset Selected", "Apply Config to Selected", and "Generate PRT for Selected".

# เปลี่ยนเครื่อง IP Phone ในระบบ

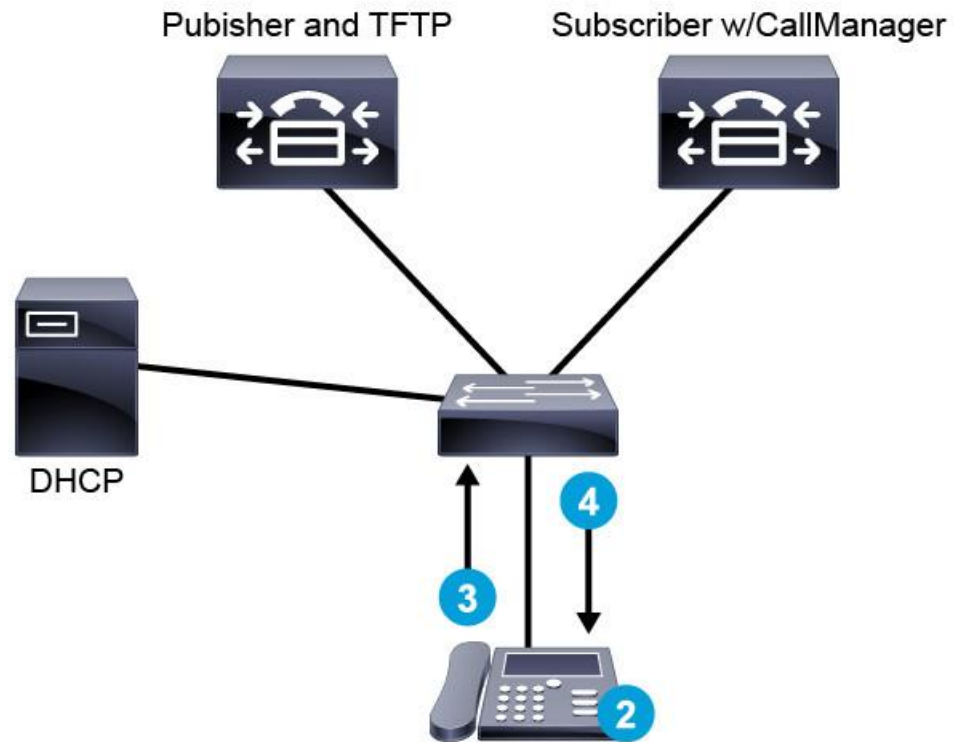
- MAC Address\*: ให้ใส่ MAC Address เครื่องที่ต้องการใช้งานแทนเครื่องเดิม และเลือก Save

The screenshot shows the Cisco Unified CM Administration interface. At the top, there's a navigation bar with "Cisco Unified CM Administration" and "administrator" logged in. Below that, a menu bar includes "System", "Call Routing", "Media Resources", "Advanced Features", "Device", "Application", "User Management", "Bulk Administration", and "Help". The main content area is titled "Phone Configuration" and includes a toolbar with "Save", "Delete", "Copy", "Reset", "Apply Config", and "Add New". The "Save" button is highlighted with a red box. Below the toolbar, the "Status" section shows "Status: Ready". The "Association" section lists 10 lines, with the first line being "Line [1] - 10343 in Internal\_PT". The "Phone Type" section shows "Product Type: Cisco 7841" and "Device Protocol: SIP". The "Real-time Device Status" section shows "Registration: Registered with Cisco Unified Communications Manager rg1-voip-cucm01.moi.go.th", "IPv4 Address: 10.228.16.93", "Active Load ID: sip78xx.12-8-1-0001-455", "Inactive Load ID: sip78xx.12-0-1-11", and "Download Status: None". The "Device Information" section shows "Device is Active" and "Device is trusted" checked, "MAC Address\*" as "045FB90F95CE" (highlighted with a red box), "Description" as "10343", and "Current On-Premise Onboarding Method" set to "Autoregistration".

## IP Phone Bootup Process: Step 1



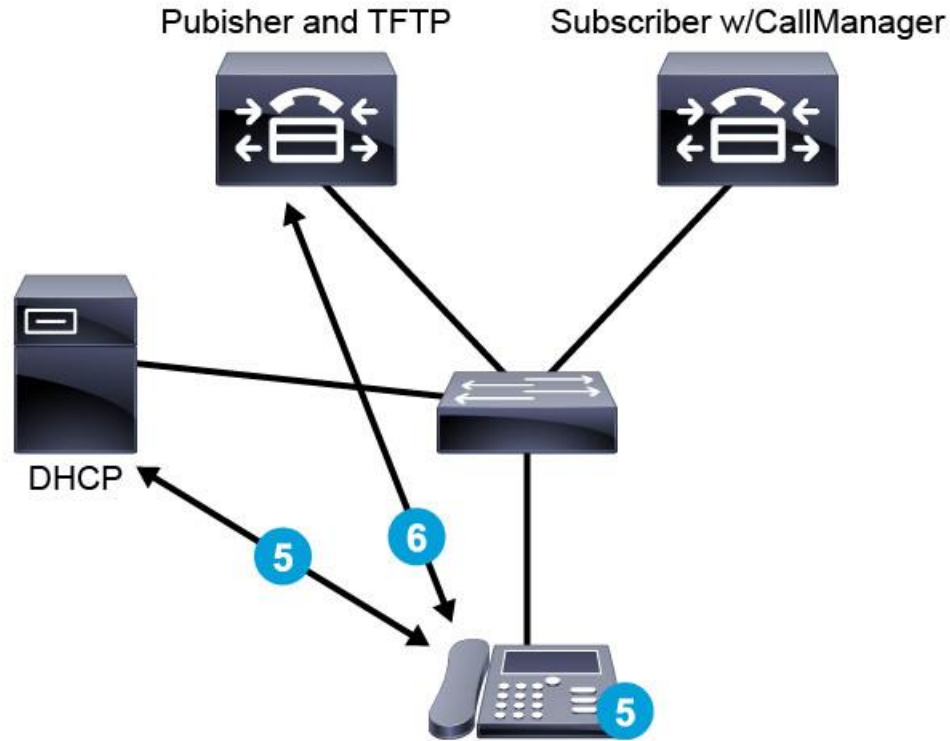
## IP Phone Bootup Process: Steps 2 to 4



- 2 Load locally stored image (Phone-Load)
- 3 Voice VLAN Query via CDP or LLDP
- 4 Reply with Voice VLAN



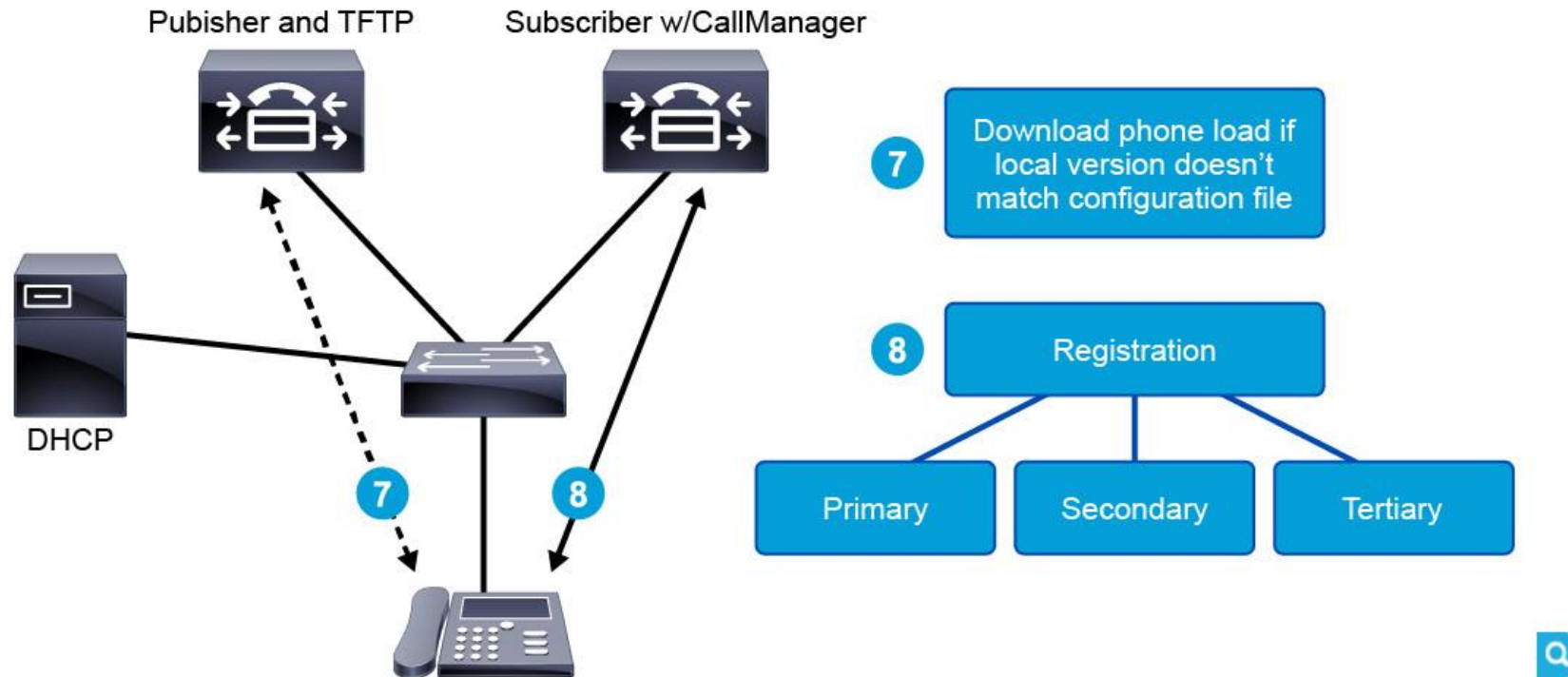
## IP Phone Bootup Process: Steps 5 to 6



- 5 IP Settings
  - IP Address
  - Subnet Mask
  - Default Gateway
  - DNS
  - Option 150
- 6 Configuration from TFTP



## IP Phone Bootup Process: Steps 7 to 8



## Call Pickup and Group Call Pickup

Cisco.com

**Call Pickup**

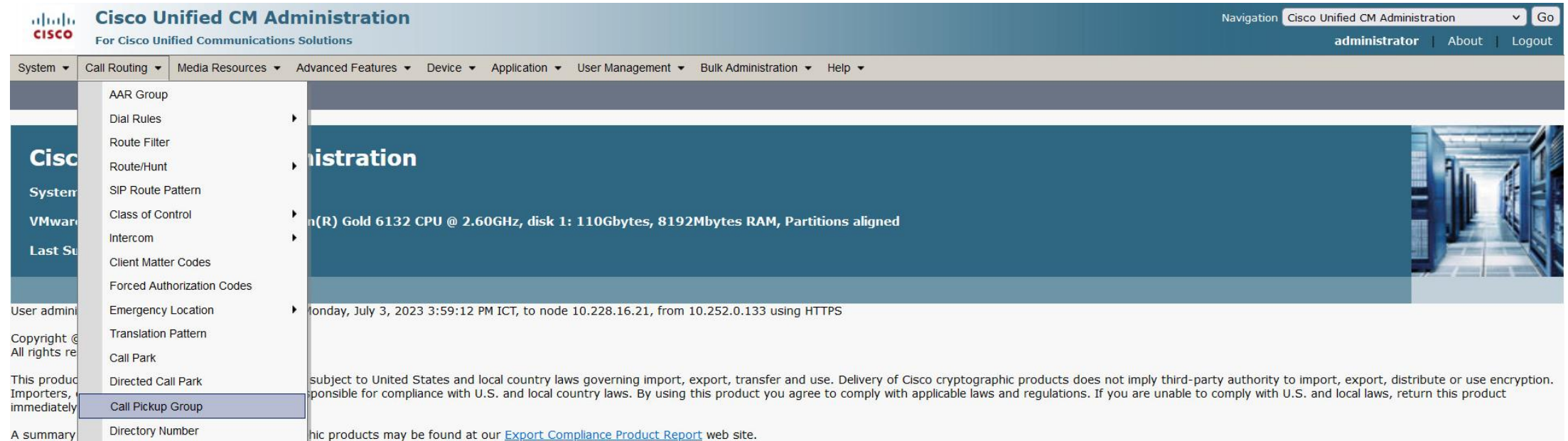
**Group Call Pickup**

**GPickup, dials call pickup group number**

- **Call Pickup**—Allows users to pick up incoming calls within their own group.
  - Cisco CallManager automatically dials the appropriate call pickup group number when the user presses **Pickup**.
- **Group Call Pickup**—Allows users to pick up incoming calls in another group.
  - User must dial the appropriate call pickup group number when user presses **GPickup**.

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- เลือก Call Routing > Call Pickup Group





# Call Pickup Group

- เลือก Find เพื่อตรวจสอบรายการ Call Pickup ที่มีอยู่ และเลือก Add New

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration Go  
administrator | About | Logout

System | Call Routing | Media Resources | Advanced Features | Device | Application | User Management | Bulk Administration | Help

### Find and List Call Pickup Groups

[+ Add New](#)

Call Pickup Group

Find Call Pickup Group where: Call Pickup Group Name | begins with | [Find](#) | Clear Filter | + | -

No active query. Please enter your search criteria using the options above.

[Add New](#)

Call Pickup Group (1 - 9 of 9) Rows per Page 50

Find Call Pickup Group where: Call Pickup Group Name | begins with | [Find](#) | Clear Filter | + | -

<input type="checkbox"/>	Call Pickup Group Name ^	Call Pickup Group Number	Partition	Description	Copy
<input type="checkbox"/>	<a href="#">ATH_Governor_front</a>	117306	<a href="#">Internal_PT</a>	หน้าห้องผู้ว่า	<a href="#">📄</a>
<input type="checkbox"/>	<a href="#">SIB-Pickup1</a>	110001	<a href="#">Internal_PT</a>	กลุ่มงานส่วนราชการ	<a href="#">📄</a>
<input type="checkbox"/>	<a href="#">SIB-Pickup2</a>	110002	<a href="#">Internal_PT</a>	กลุ่มงานบุคคล	<a href="#">📄</a>
<input type="checkbox"/>	<a href="#">SIB-Pickup3</a>	110003	<a href="#">Internal_PT</a>	กลุ่มงานยุทธศาสตร์	<a href="#">📄</a>
<input type="checkbox"/>	<a href="#">SIB-Pickup4</a>	110004	<a href="#">Internal_PT</a>	กลุ่มตรวจสอบภายใน	<a href="#">📄</a>
<input type="checkbox"/>	<a href="#">SIB-Pickup5</a>	110005	<a href="#">Internal_PT</a>	กลุ่มศูนย์ดำรงธรรม	<a href="#">📄</a>
<input type="checkbox"/>	<a href="#">SIB-Pickup6</a>	110006	<a href="#">Internal_PT</a>	กลุ่มห้องสื่อสาร	<a href="#">📄</a>
<input type="checkbox"/>	<a href="#">SIB-Pickup7</a>	110007	<a href="#">Internal_PT</a>	กลุ่มxxxxxxx	<a href="#">📄</a>
<input type="checkbox"/>	<a href="#">Telecom_Gpickup</a>	106300	<a href="#">Internal_PT</a>		<a href="#">📄</a>

[Add New](#) | [Select All](#) | [Clear All](#) | [Delete Selected](#)

# Call Pickup Group

- Call Pickup Group Name: ใส่ชื่อของกลุ่มตีสาย
- Call Pickup Group Number: ใส่เบอร์ของกลุ่มตีสาย
- Description: ใส่คำอธิบาย
- Partition: เลือก Partition

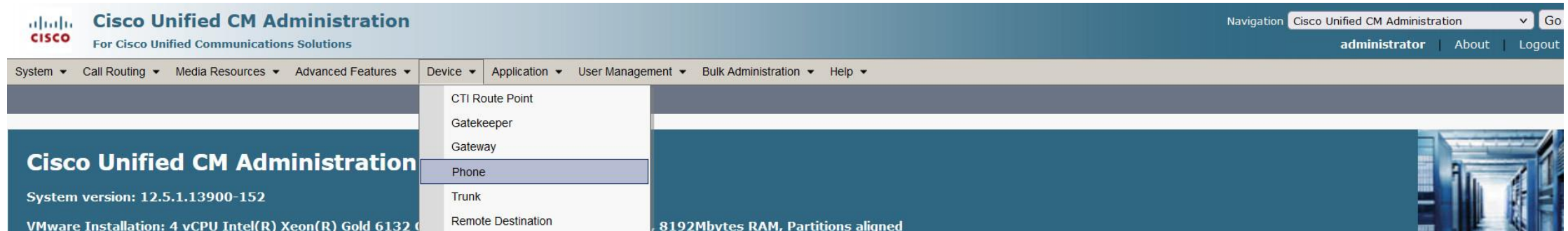
The screenshot shows the Cisco Unified CM Administration interface for configuring a Call Pickup Group. The page title is "Call Pickup Group Configuration". A "Save" button is highlighted with a red box. The "Call Pickup Group Information" section is also highlighted with a red box and contains the following fields:

Call Pickup Group Name*	Communication
Call Pickup Group Number*	106301
Description	กลุ่มตีสาย
Partition	Internal_PT

Below this section, the "Call Pickup Group Notification Settings" section shows "Call Pickup Group Notification Policy" set to "No Alert" and "Call Pickup Group Notification Timer (seconds)\*" set to "6". The "Call Information Display For Call Pickup Group Notification" section has two unchecked checkboxes: "Calling Party Information" and "Called Party Information".

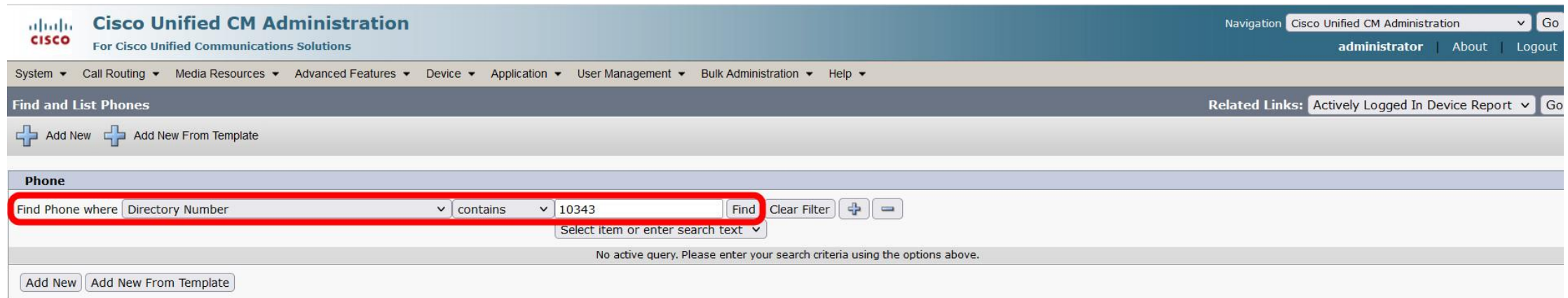
# Call Pickup Group

- เลือก Device > Phone



The screenshot shows the Cisco Unified CM Administration web interface. The top navigation bar includes the Cisco logo, the title 'Cisco Unified CM Administration', and the subtitle 'For Cisco Unified Communications Solutions'. On the right, there is a navigation dropdown menu set to 'Cisco Unified CM Administration' and a 'Go' button. Below this, the user is logged in as 'administrator' with links for 'About' and 'Logout'. A main navigation menu is visible, with 'Device' selected, and its sub-menu is open, showing options like 'CTI Route Point', 'Gatekeeper', 'Gateway', 'Phone' (which is highlighted), 'Trunk', and 'Remote Destination'. The main content area displays 'Cisco Unified CM Administration' with system version '12.5.1.13900-152' and VMware installation details. A server rack image is visible on the right side of the page.

- เลือกข้อมูลในช่อง Find Phone where , ใส่ข้อมูลที่ต้องการค้นหา และเลือก Find



The screenshot shows the 'Find and List Phones' page in the Cisco Unified CM Administration interface. The page title is 'Find and List Phones' and it includes a 'Related Links' section with 'Actively Logged In Device Report'. Below the title, there are buttons for 'Add New' and 'Add New From Template'. The main section is titled 'Phone' and contains a search form. The search form has a dropdown menu for 'Find Phone where' set to 'Directory Number', a dropdown for 'contains', and a text input field containing '10343'. The 'Find' button is highlighted with a red box. Below the search form, there is a message: 'No active query. Please enter your search criteria using the options above.' and buttons for 'Add New' and 'Add New From Template'.

# Call Pickup Group

- เลือก Device Name(Line)

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration | administrator | About | Logout

System | Call Routing | Media Resources | Advanced Features | Device | Application | User Management | Bulk Administration | Help

**Find and List Phones** | Related Links: Actively Logged In Device Report | Go

+ Add New | + Add New From Template | Select All | Clear All | Delete Selected | Reset Selected | Apply Config to Selected | Generate PRT for Selected

**Status**  
2 records found

**Query Information**  
Searching on a directory number may show the same device name multiple times depending on the number of lines configured per device.

**Phone (1 - 2 of 2)** | Rows per Page: 50

Find Phone where: Directory Number | contains | 10343 | Find | Clear Filter

	Device Name(Line) ^	Description	Device Pool	Extension	Partition	Device Protocol	Status	Last Registered	Last Active	Unified CM	IPv4 Address	Copy	Super Copy
<input type="checkbox"/>	<a href="#">BOT10343(1)</a>	10343	01-RG1-DP	10343	Internal_PT	SIP	None	Never			None		
<input type="checkbox"/>	<b>SEP045FB90F95CE(1)</b>	10343	01-RG1-DP	10343	Internal_PT	SIP	Registered	Now	Jun 12, 2023 4:01:46 PM	rg1-voip-cucm01.moi.go.th	10.228.16.93		

Add New | Add New From Template | Select All | Clear All | Delete Selected | Reset Selected | Apply Config to Selected | Generate PRT for Selected

- เลือก Line(1)

The screenshot displays the Cisco Unified CM Administration web interface. The top navigation bar includes the Cisco logo and the text "Cisco Unified CM Administration For Cisco Unified Communications Solutions". The user is logged in as "administrator". The main menu includes "System", "Call Routing", "Media Resources", "Advanced Features", "Device", "Application", "User Management", "Bulk Administration", and "Help". The current page is "Phone Configuration", with a "Related Links" dropdown set to "Back To Find/List".

Below the navigation bar, there are action buttons: Save, Delete, Copy, Reset, Apply Config, and Add New. The "Status" section shows "Status: Ready".

The "Association" section contains a table of lines:

Line ID	Description
1	Line [1] - 10343 in Internal_PT
2	Line [2] - Add a new DN
3	Line [3] - Add a new DN
4	Line [4] - Add a new DN
5	Add a new SD
6	Add a new SD

The "Phone Type" section shows:

- Product Type: Cisco 7841
- Device Protocol: SIP

The "Real-time Device Status" section shows:

- Registration: Registered with Cisco Unified Communications Manager rg1-voip-cucm01.moi.go.th
- IPv4 Address: 10.228.16.93
- Active Load ID: sip78xx.12-8-1-0001-455
- Inactive Load ID: sip78xx.12-0-1-11
- Download Status: None

# Call Pickup Group

- หัวข้อ call Pickup Group ให้เลือก call Pickup ที่ต้องการ และเลือก Save

The screenshot shows the Cisco Unified CM Administration interface. At the top, there is a navigation bar with the Cisco logo and the text "Cisco Unified CM Administration For Cisco Unified Communications Solutions". The user is logged in as "administrator". Below the navigation bar, there is a breadcrumb trail: "System > Call Routing > Media Resources > Advanced Features > Device > Application > User Management > Bulk Administration > Help". The main content area is titled "Directory Number Configuration" and includes a "Related Links" section with "Configure Device (SEP045FB90F95CE)".

The "Call Forward and Call Pickup Settings" section is visible. It contains several configuration options, including "Calling Search Space Activation Policy", "Forward All", "Secondary Calling Search Space for Forward All", "Forward Busy Internal", "Forward Busy External", "Forward No Answer Internal", "Forward No Answer External", "Forward No Coverage Internal", "Forward No Coverage External", "Forward on CTI Failure", "Forward Unregistered Internal", "Forward Unregistered External", and "No Answer Ring Duration (seconds)".

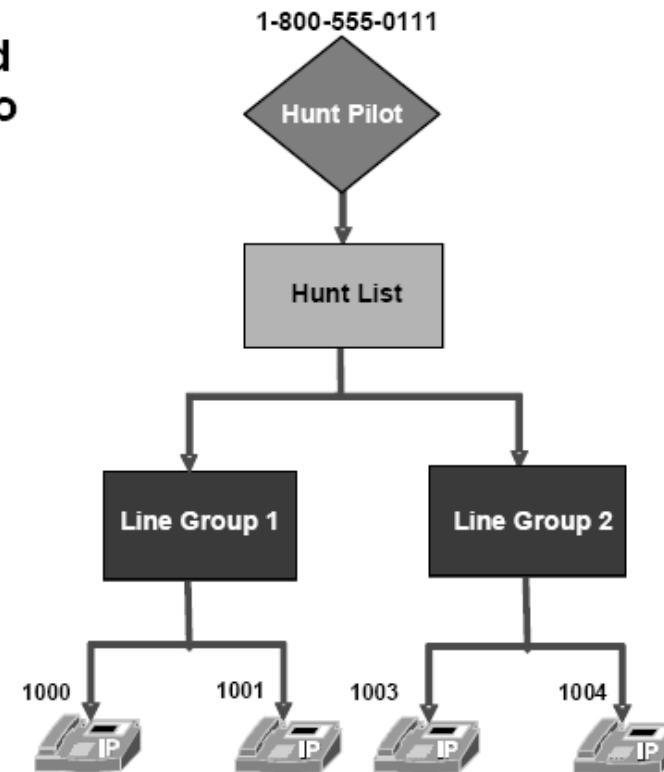
The "Call Pickup Group" dropdown menu is open, showing a list of options: "< None >", "ATH\_Governor\_front in Internal\_PT", "Communication in Internal\_PT", "SIB-Pickup1 in Internal\_PT", "SIB-Pickup2 in Internal\_PT", "SIB-Pickup3 in Internal\_PT", "SIB-Pickup4 in Internal\_PT", "SIB-Pickup5 in Internal\_PT", "SIB-Pickup6 in Internal\_PT", "SIB-Pickup7 in Internal\_PT", and "Telecom\_Gpickup in Internal\_PT". The "Save" button is also highlighted with a red box.

## Call-Distribution Components

Cisco.com

Line groups, hunt lists, and hunt pilots work together to provide call-distribution capabilities.

- Line group—Designates the order in which directory numbers are chosen
- Hunt list—Contains line groups
- Hunt pilot—Number associated with a hunt list; caller can reach someone by dialing the hunt pilot number

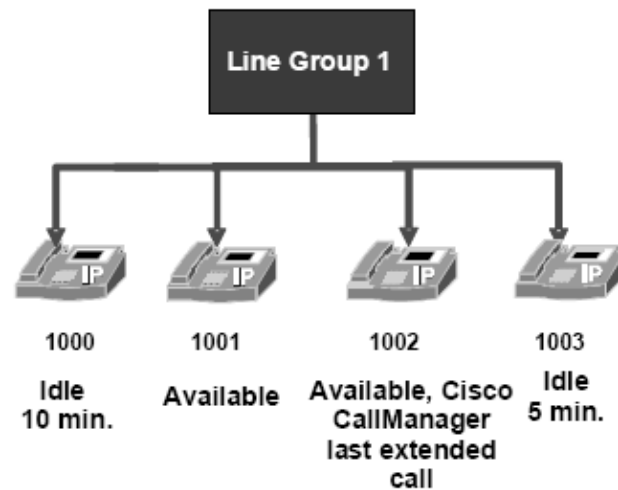


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CIPT1 v4.1-3-3

## Call Distribution Algorithms

Cisco.com



The call-distributing algorithm is applied at the group level.

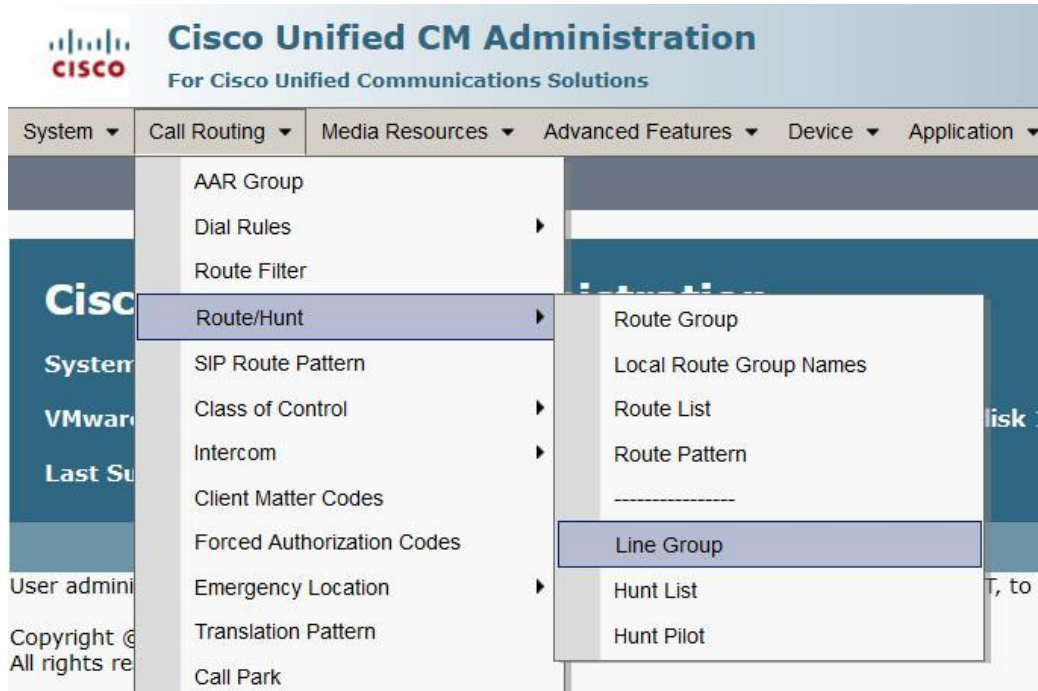
- **Top down:** Idle and available members, round robin. (Next call to 1000.)
- **Circular:**  $(n + 1)$ th member where  $n$  is the member to which Cisco CallManager most recently extended call. (Next call to 1003.)
- **Longest idle time:** Idle members only, from most to least idle. (Next call to 1000.)
- **Broadcast:** All idle and available members simultaneously. (Next call to all DNSs.)

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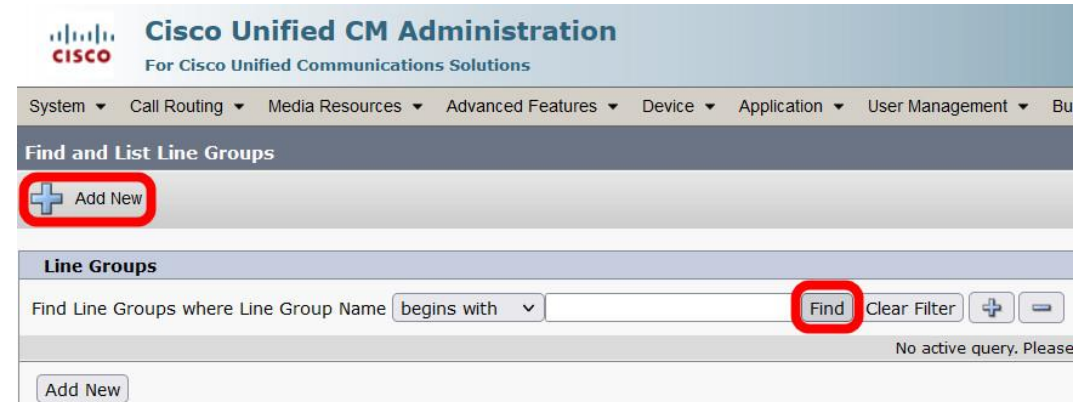
CIPT1 v4.1-3-6



- เลือก Call Routing > Route/Hunt > Line Group



- เลือก Find เพื่อตรวจสอบข้อมูล และเลือก Add New



**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

System ▾ Call Routing ▾ Media Resources ▾ Advanced Features ▾ Device ▾ Application ▾ User Man...

### Line Group Configuration

Save Delete Add New

#### Line Group Information

Line Group Name\* 77002-MOI-MT1  
RNA Reversion Timeout\* 20  
Distribution Algorithm\* Top Down

#### Hunt Options

No Answer\* Try next member; then, try next group in Hunt List ▾  
 Automatically Logout Hunt Member on No Answer  
Busy\*\* Try next member; then, try next group in Hunt List ▾  
Not Available\*\* Try next member; then, try next group in Hunt List ▾

#### Line Group Member Information

##### Find Directory Numbers to Add to Line Group

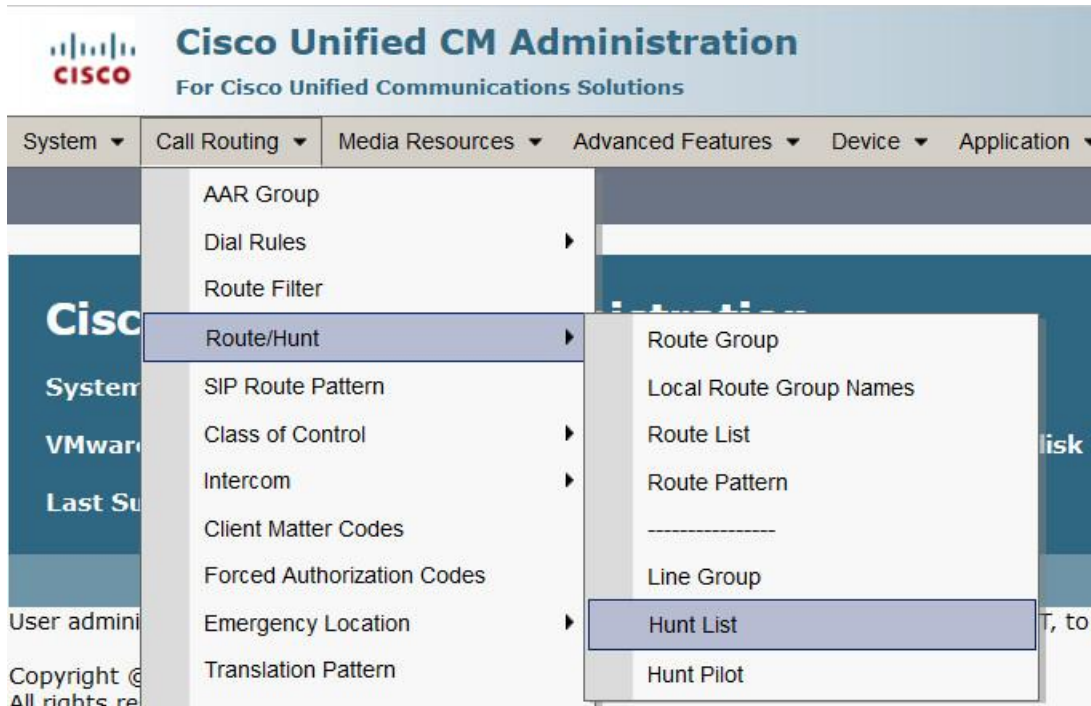
Partition < None > ▾  
Directory Number Contains Find

Available DN/Route Partition  
14134/Internal\_PT  
14135/Internal\_PT  
14136/Internal\_PT  
14137/TEMP\_PT  
Too many matches: use more specific search.

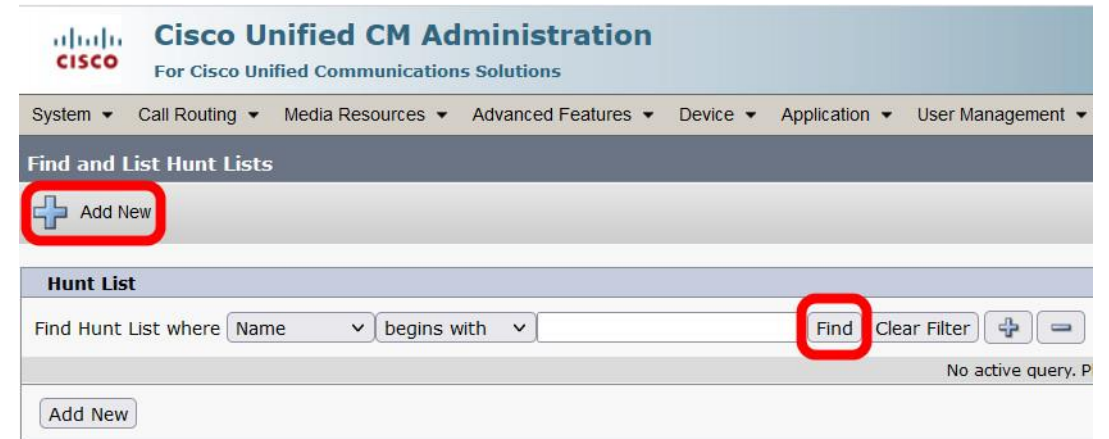
Add to Line Group

- Line Group Name\*: ใส่ชื่อ Line Group
- RNA Reversion Timeout\*: ใส่เวลาให้ระบบวนไปสายถัดไป (วินาที)
- Distribution Algorithm\*: เลือกเงื่อนไขการวนสาย
- Available DN/Route Partition: เลือกหมายเลข/Partition ที่ต้องการอยู่ในกลุ่มวนสาย และกด Add to Line Group
- เลือก Save

- เลือก Call Routing > Route/Hunt > Hunt List



- เลือก Find เพื่อตรวจสอบข้อมูล และเลือก Add New



**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

System ▾ Call Routing ▾ Media Resources ▾ Advanced Features ▾ Device ▾ Application ▾ User Management ▾

### Hunt List Configuration

Save Delete Copy Reset Apply Config Add New

**Status**  
Status: Ready

**Hunt List Information**

Device is trusted

Name\* 77002-MOI-MT1-HL

Description มท 1

Cisco Unified Communications Manager Group\* 02-MOI-CM\_Group ▾

Enable this Hunt List (change effective on Save; no reset required)

For Voice Mail Usage

**Hunt List Member Information**

**Add Line Group**

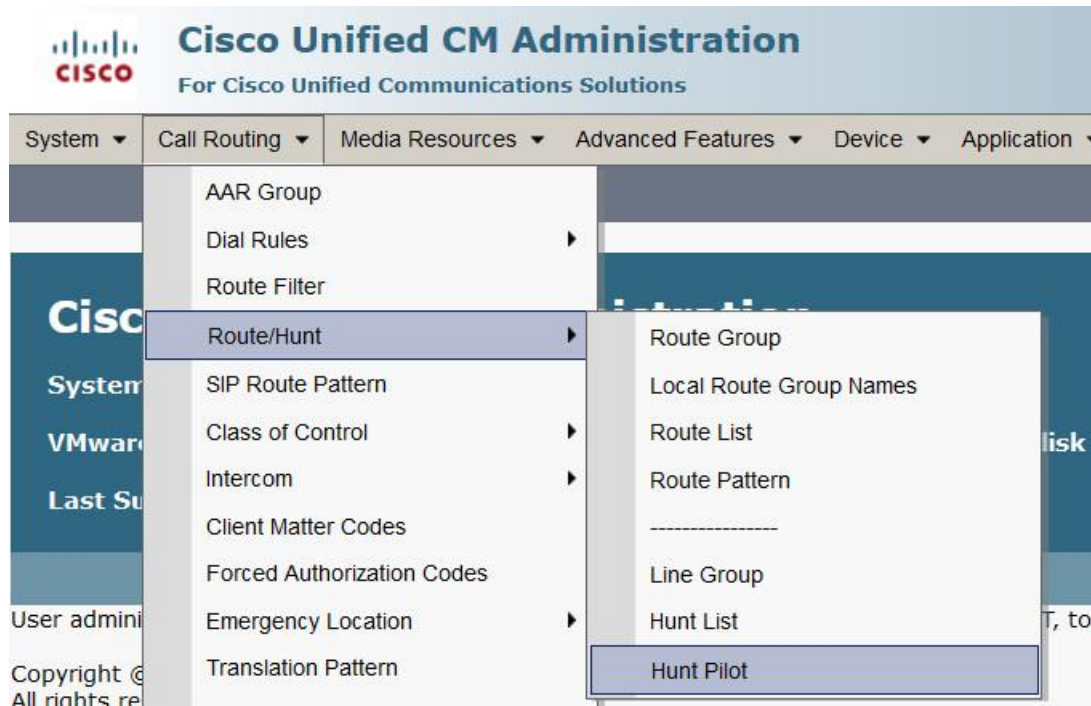
Selected Groups\*\* 77002-MOI-MT1

Removed Groups\*\*\*

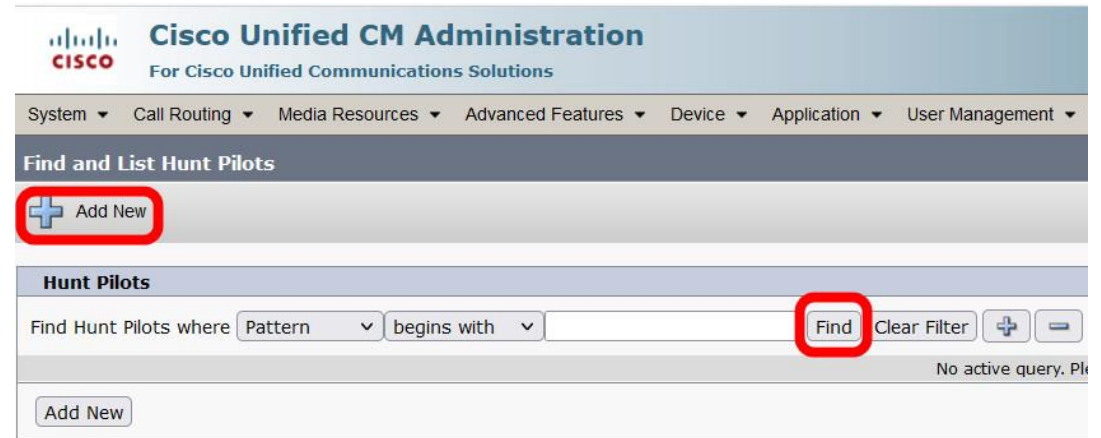
**Hunt List Details**  
77002-MOI-MT1

- Name\*: ใส่ชื่อ Hunt List
- Description: ใส่คำอธิบายเพิ่มเติม
- Cisco Unified Communications Manager Group\*: เลือก CUCM Group
- Add Line Group: เลือก Line Group
- เลือก Save

- เลือก Call Routing > Route/Hunt > Hunt Pilot



- เลือก Find เพื่อตรวจสอบข้อมูล และเลือก Add New



**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

System ▾ Call Routing ▾ Media Resources ▾ Advanced Features ▾ Device ▾ Application ▾

### Hunt Pilot Configuration

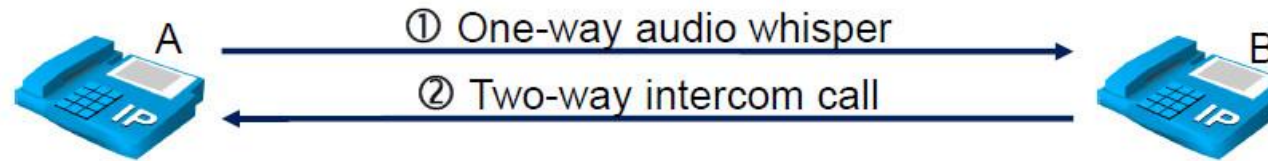
Save Delete Copy Add New

**Status**  
Status: Ready

**Pattern Definition**

Hunt Pilot*	77002
Route Partition	Internal_PT ▾
Description	
Numbering Plan	< None > ▾
Route Filter	< None > ▾
MLPP Precedence*	Default ▾
Hunt List*	77002-MOI-MT1-HL ▾ (Edit)
Call Pickup Group	< None > ▾
Alerting Name	
ASCII Alerting Name	
Route Option	<input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern No Error ▾
<input checked="" type="checkbox"/> Provide Outside Dial Tone	
<input type="checkbox"/> Urgent Priority	

- Hunt Pilot\*: ใส่หมายเลขเบอร์นำหมู่
- Route Partition: เลือก Partition
- Description: ใส่คำอธิบายเพิ่มเติม
- Hunt List\*: เลือก Hunt List ที่สร้างไว้
- Call Pickup Group: เลือก Call Pickup Group
- เลือก Save

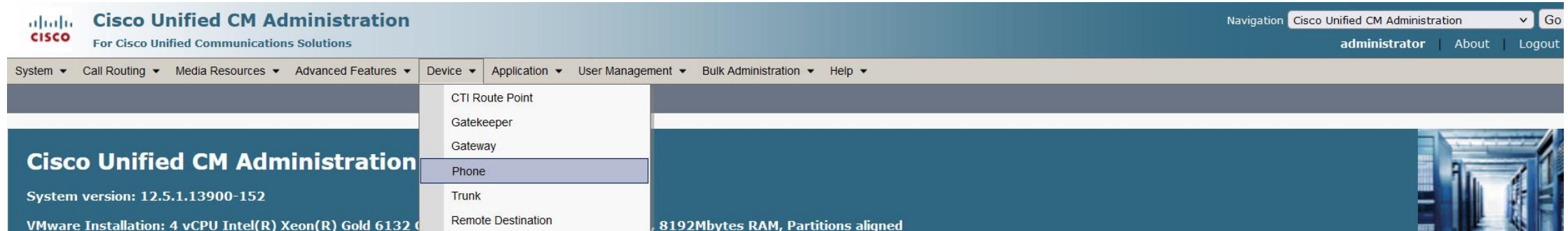


① User presses the Intercom button to dial the Intercom line of phone B

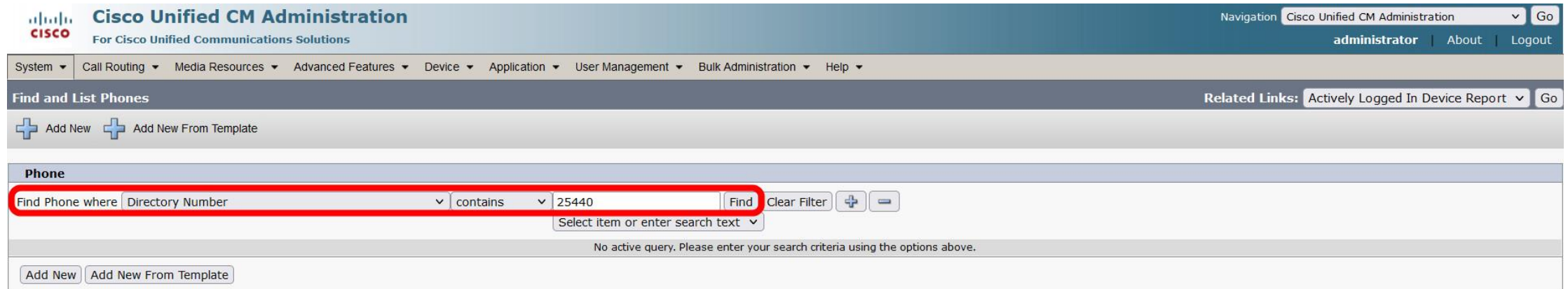
② User at Phone B receives short spoken message of User A by one-way audio whisper. User B accepts Intercom call by pressing key. Two-way Intercom call is established.

- With an intercom line, a user can call the intercom line of another user, which auto-answers to one-way audio whisper.
- The recipient can then accept the whispered call and initiate a two-way intercom call.

- เลือก Device > Phone



- เลือกข้อมูลในช่อง Find Phone where , ใส่ข้อมูลที่ต้องการค้นหา และเลือก Find





- เลือก Device Name(Line)

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

System ▾ Call Routing ▾ Media Resources ▾ Advanced Features ▾ Device ▾ Application ▾ User Management ▾

**Find and List Phones**

+ Add New + Add New From Template Select All Clear All Delete Selected Reset Selected

**Status**  
2 records found

**Query Information**  
Searching on a directory number may show the same device name multiple times depending on the number of

**Phone (1 - 2 of 2)**

Find Phone where Directory Number contains 25440

Phone	Device Name(Line) ^	Description	Device Pool	Extension	Partition
<input type="checkbox"/>	<a href="#">BOT25440(1)</a>	25440	01-RG7-DP	25440	Internal_PT
<input type="checkbox"/>	<b>SEP045FB99B2294(1)</b>	25440	01-RG7-DP	25440	Internal_PT

Add New Add New From Template Select All Clear All Delete Selected Reset Selected Apply Config to Sel

- เลือก Modify Button Items

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

System ▾ Call Routing ▾ Media Resources ▾ Advanced Features ▾ Device ▾ Application ▾ User Management ▾

**Phone Configuration**

Save Delete Copy Reset Apply Config Add New

**Status**  
Status: Ready

**Association**

1	<a href="#">Line [1] - 25440 in Internal_PT</a>
2	<a href="#">Line [2] - Add a new DN</a>
3	<a href="#">Add a new SD</a>
4	<a href="#">Add a new SD</a>
5	<a href="#">Add a new SD</a>

**Phone Type**  
Product Type: Cisco 8845  
Device Protocol: SIP

**Real-time Device Status**  
Registration: Registered with Cisco Unified Com  
IPv4 Address: [10.228.112.76](#)  
Active Load ID: sip8845\_65.12-8-1-0001-455  
Inactive Load ID: sip8845\_65.12-1-1-12  
Download Status: None

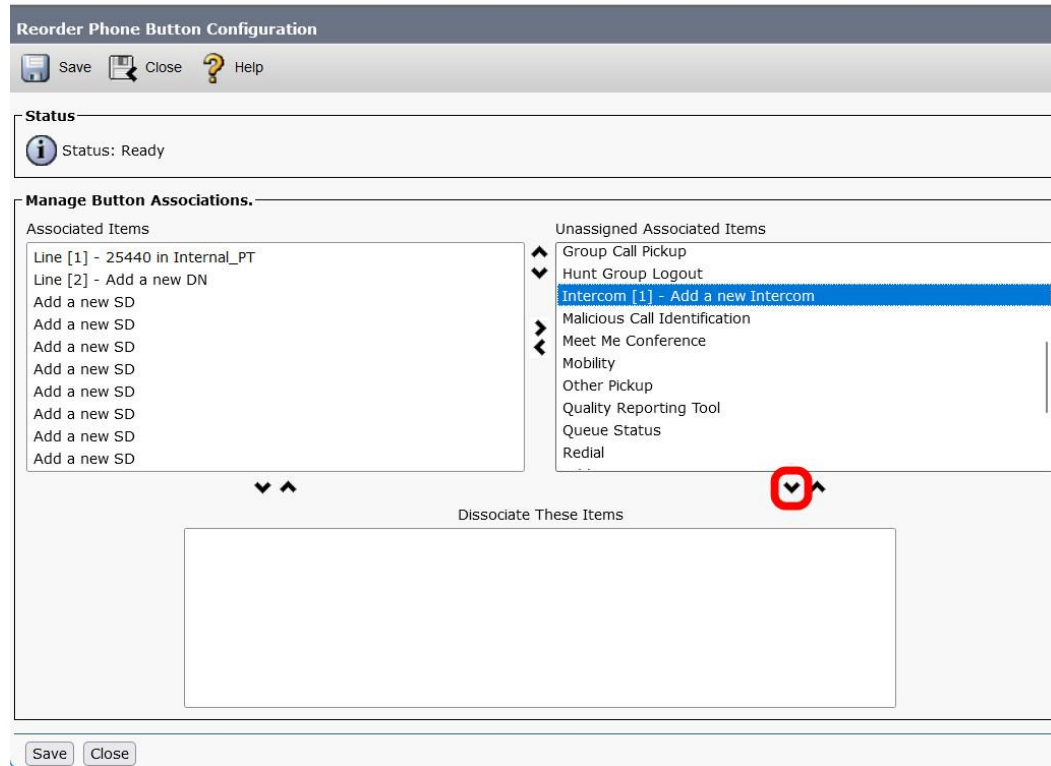
- เลือก OK

10.228.112.21

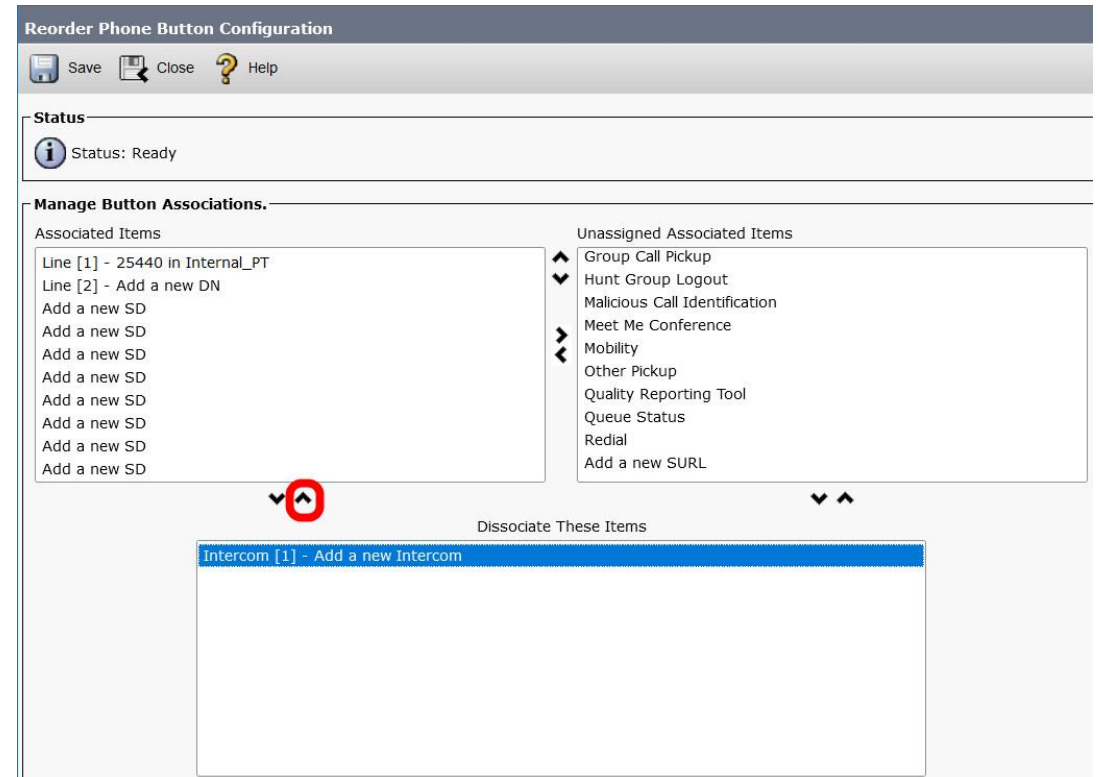
Unsaved Changes May Be Lost! Continue?

OK Cancel

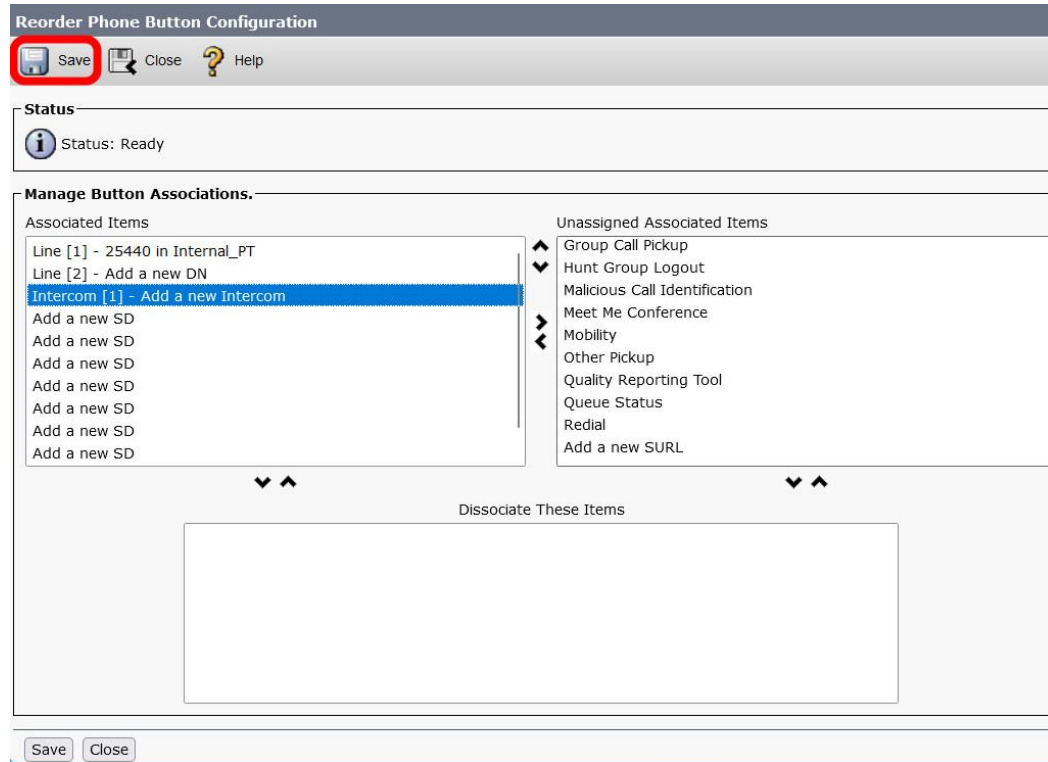
- เลือก Intercom [1] Add a new Intercom ตามภาพด้านล่าง



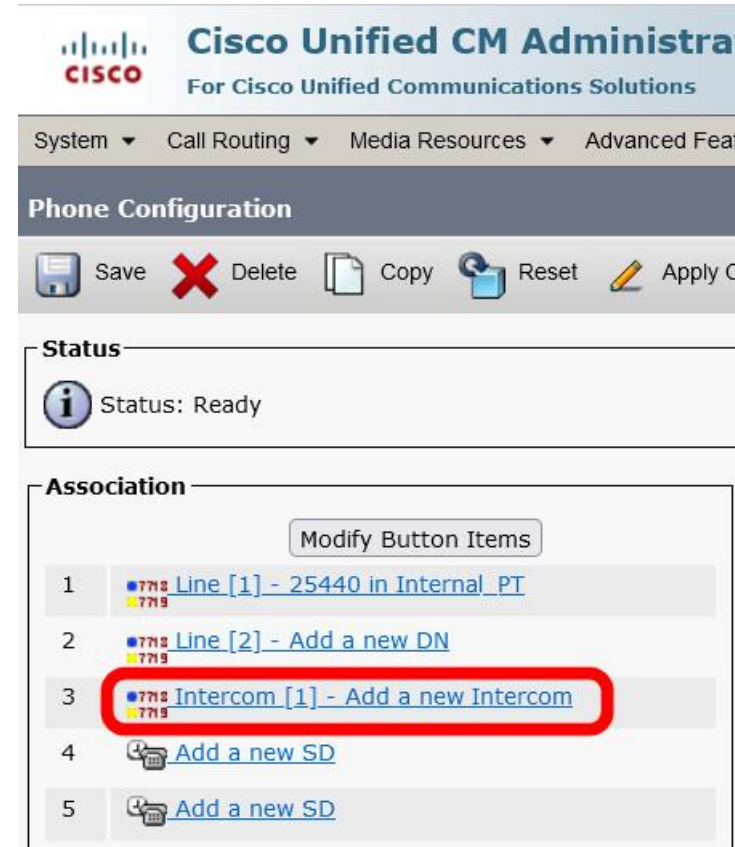
- เลือก Intercom [1] Add a new Intercom ตามภาพด้านล่าง



- เลือก Save และ Close



- เลือก Intercom [1] - Add a new Intercom



**Cisco Unified CM Administration**  
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### Intercom Directory Number Configuration

Save

**Status**  
Status: Ready

**Intercom Directory Number Information**

Intercom Directory Number*	25440
Route Partition*	Generated_MA_Intercom ▾
Description	Governor
Alerting Name	Governor
ASCII Alerting Name	Governor

**Intercom Directory Number Settings**

Calling Search Space*	Generated_MA_Intercom_GEN ▾
BLF Presence Group*	Standard Presence group ▾
Auto Answer*	Auto Answer with Speakerphone ▾
Default Activated Device***	SEP045FB99B2294 ▾ <input type="button" value="Find"/>

**Line 1 on Device SEP045FB99B2294**

Display (Caller ID)	<input type="text"/>	Display
call may not see the proper identity of the caller.		
ASCII Display (Caller ID)	<input type="text"/>	
Line Text Label	Intercom	
Speed Dial	25440	
External Phone Number	<input type="text"/>	
Mask	<input type="text"/>	

- Intercom Directory Number\*: ใส่หมายเลข Intercom
- Route Partition\*: เลือก Partition Intercom ที่มีในระบบ
- Description: คำอธิบายเพิ่มเติม
- Alerting Name: ใส่ชื่อที่ต้องการให้ผู้รับสายเห็น
- ASCII Alerting Name: ใส่ชื่อที่ต้องการให้ผู้รับสายเห็น
- Line Text Label: ใส่ชื่อที่จะแสดงบนหน้าจอ IP Phone
- Speed Dial: ใส่เบอร์ปลายทางที่ต้องการใช้ Intercom ร่วมกัน
- เลือก Save และเลือก Apply Config

- Intercom Directory Number จะปรากฏให้เห็นที่ Line 3 บนหน้าจอ IP Phone

The screenshot displays the Cisco Unified CM Administration web interface. At the top, the navigation menu includes System, Call Routing, Media Resources, Advanced Features, Device, Application, User Management, Bulk Administration, and Help. The main content area is titled "Phone Configuration" and includes a toolbar with icons for Save, Delete, Copy, Reset, Apply Config, and Add New. Below the toolbar, the "Status" section shows "Status: Ready". The "Association" section contains a table with five entries, where the third entry is highlighted: "Line [1] - 25440 in Generated\_MA\_Intercom". The "Phone Type" section shows "Product Type: Cisco 8845" and "Device Protocol: SIP". The "Real-time Device Status" section provides details such as "Registration: Registered with Cisco Unified Communications Manager rg7-voip-cucm01.moi.go.th", "IPv4 Address: 10.228.112.76", "Active Load ID: sip8845\_65.12-8-1-0001-455", "Inactive Load ID: sip8845\_65.12-1-1-12", and "Download Status: None".

Association
1 <a href="#">Line [1] - 25440 in Internal_PT</a>
2 <a href="#">Line [2] - Add a new DN</a>
3 <a href="#">Line [1] - 25440 in Generated_MA_Intercom</a>
4 <a href="#">Add a new SD</a>
5 <a href="#">Add a new SD</a>

**Phone Type**

**Product Type:** Cisco 8845  
**Device Protocol:** SIP

**Real-time Device Status**

**Registration:** Registered with Cisco Unified Communications Manager rg7-voip-cucm01.moi.go.th  
**IPv4 Address:** 10.228.112.76  
**Active Load ID:** sip8845\_65.12-8-1-0001-455  
**Inactive Load ID:** sip8845\_65.12-1-1-12  
**Download Status:** None

- ในกรณีที่ต้องการลบ Intercom ให้เลือก Intercom Directory Number ที่ Line 3 จากตัวอย่างและเลือก Delete

Cisco Unified CM Administration  
For Cisco Unified Communications Solutions

System ▾ Call Routing ▾ Media Resources ▾ Advanced Features ▾ Device ▾ Application ▾ User Management ▾ Bulk ▾

### Intercom Directory Number Configuration

Save **Delete** Reset Apply Config Add New

**Status**  
Status: Ready

#### Intercom Directory Number Information

Intercom Directory Number\* 25440  
Route Partition\* Generated\_MA\_Intercom ▾  
Description Governor  
Alerting Name Governor  
ASCII Alerting Name Governor  
 Allow Control of Device from CTI  
Associated Devices SEP045FB99B2294  
[Edit Device](#)  
[Edit Line Appearance](#)

Dissociate Devices

#### Intercom Directory Number Settings

Calling Search Space\* Generated\_MA\_Intercom\_GEN ▾  
BLF Presence Group\* Standard Presence group ▾  
Auto Answer\* Auto Answer with Speakerphone ▾  
Default Activated Device\*\*\* SEP045FB99B2294 [Find](#)

- เลือก OK

10.228.112.21

You are about to permanently delete this Intercom Directory Number. This action cannot be undone. Continue?

[OK](#) [Cancel](#)

- เลือก Add a new SD

Cisco Unified CM Administration  
For Cisco Unified Communications Solutions

System ▾ Call Routing ▾ Media Resources ▾ Advanced Features ▾

Phone Configuration

Save Delete Copy Reset Apply Config

Status  
Status: Ready

Association  
Modify Button Items

1	Line [1] - 25440 in Internal_PT
2	Line [2] - Add a new DN
3	Intercom [1] - 25440 in Generated_MA_Intercom
4	Add a new SD
5	Add a new SD

- Number: หมายเลขปลายทาง
- Label: ใส่ข้อความที่ต้องการให้แสดงที่ Line 4 บนหน้าจอ IP Phone
- เลือก Save และ Close

Speed Dial Configuration for SEP045FB99B2294

Save Close Help

Status  
Status: Ready

Speed Dial (Button) Settings

	Number	Label
1	25499	Governor
2		
3		
4		
5		
6		
7		

- Speed Dial จะปรากฏให้เห็นที่ Line 4 บนหน้าจอ IP Phone

The screenshot displays the Cisco Unified CM Administration web interface. At the top, the navigation bar includes the Cisco logo, the text "Cisco Unified CM Administration For Cisco Unified Communications Solutions", and a search field with "Cisco Unified CM Administration" and a "Go" button. Below this is a menu bar with options like System, Call Routing, Media Resources, etc. The main content area is titled "Phone Configuration" and includes a toolbar with icons for Save, Delete, Copy, Reset, Apply Config, and Add New. The interface is divided into several sections: "Status" (Ready), "Association" (a list of 5 lines with links like "Line [1] - 25440 in Internal\_PT"), "Phone Type" (Product Type: Cisco 8845, Device Protocol: SIP), and "Real-time Device Status" (Registration: Registered with Cisco Unified Communications Manager rg7-voip-cucm01.moi.go.th, IPv4 Address: 10.228.112.76, Active Load ID: sip8845\_65.12-8-1-0001-455, Inactive Load ID: sip8845\_65.12-1-1-12, Download Status: None).



- ในกรณีที่ต้องการลบ Speed Dial ให้เลือก Speed Dial ที่ Line 4 จากตัวอย่างและเลือก Delete ข้อมูลในช่อง Number, Label
- เลือก Save และ Close

Speed Dial Configuration for SEP045FB99B2294

 Save  Close  Help

**Status**

 Status: Ready

**Speed Dial (Button) Settings**

	Number	Label
1	25499	Governor
2		
3		
4		
5		
6		
7		



ศูนย์เทคโนโลยีสารสนเทศและการสื่อสาร ส.ป.ม.ท.  
Information and Communication Technology Center.

**SAMART**

Thanks and Regards.

สำนักงานปลัดกระทรวงดิจิทัลฯ