



ศูนย์เทคโนโลยีสารสนเทศและการสื่อสาร สบ.มท.
Information and Communication Technology Center.

SAMART

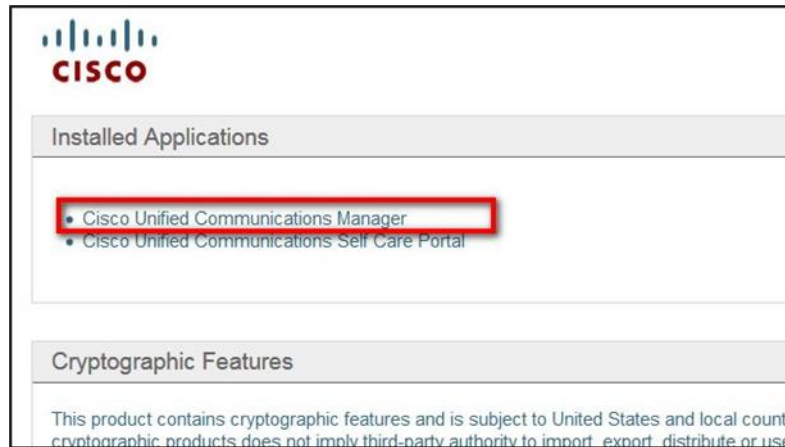
IP Telephony

Unified Real-Time Monitoring Tool (RTMT)

สำนักงานคณะกรรมการการกระจายเสียงและแพร่ภาพทางวิทยุกระจายเสียงและวิทยุโทรทัศน์

Unified Real-Time Monitoring Tool (RTMT)

- ใส่ IP Login Cisco Unified Communication Manager และเลือกที่หัวข้อ Cisco Unified Communication Manager
- ใส่ Username และ Password และกด Login
- ทำการติดตั้ง RTMT โดยเลือก Application > Plugins



Unified Real-Time Monitoring Tool (RTMT)

- คลิก Find และกด Download ในหัวข้อ Cisco Unified Real-Time Monitoring Tool – Windows และติดตั้งไฟล์

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 Plugins

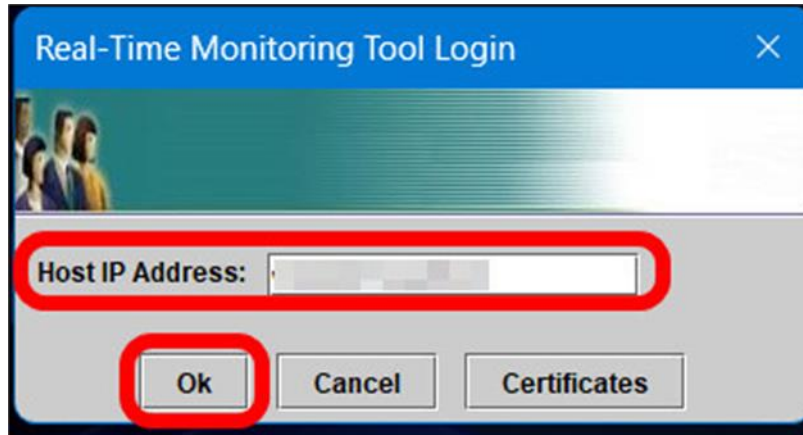
Status
11 records found

Plugin (1 - 11 of 11) Rows per Page 50

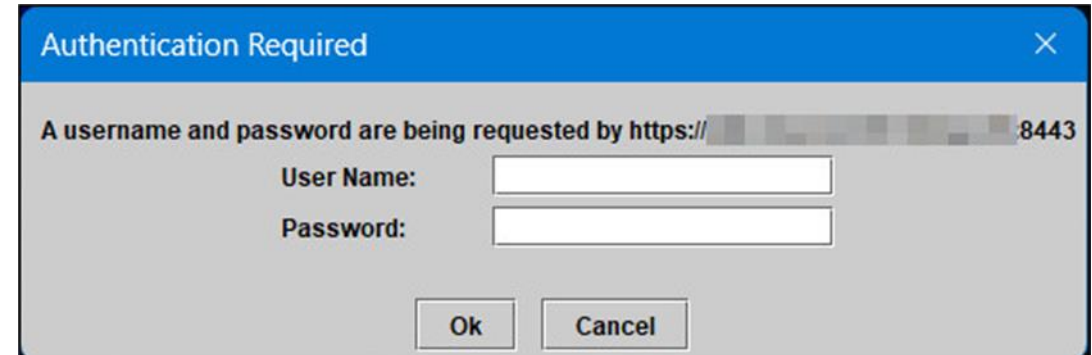
Find Plugin where Name begins with and Plugin Type equals Installation **Find** Clear Filter

	Plugin Name ^	Description
Download	Cisco AXL Toolkit	Cisco Administrative XML (AXL) Toolkit enables Developers to create applications that create, read, update and delete provisioning objects on the Cisco Unified Communications Manager Publisher. The zip file contains Java-based libraries that use SOAP over HTTP/HTTPS to send and receive AXL requests and responses. Install this toolkit on Developer workstations where AXL applications will be developed.
Download	Cisco CTL Client	Install the Cisco Certificate Trust List (CTL) client to digitally sign certificates stored on the TFTP server. The client retrieves the CTL file from the Cisco TFTP server, digitally signs the CTL file using a security token and then updates the file on the Cisco TFTP server. Install this plug-in on Windows 32-bit or Windows 64-bit operating system computers.
Download	Cisco IP Phone Address Book Synchronizer	Cisco IP Phone Address Book Synchronizer enables users to synchronize their Microsoft Windows Address Book with the Cisco Personal Address Book. Install this plug-in on all Windows operating system computers for Users who desire to synchronize their Windows Address Book with their Cisco Unified Communications Manager Personal Address Book.
Download	Cisco JTAPI Client for Linux - 32-bit and 64-bit	JTAPI provides a standard programming interface for communication-enabled applications written in the Java programming language. Use this file on computers running Linux which host communication-enabled CTI applications that interact with Cisco Unified Communications Manager via JTAPI. This zip archive includes the JTAPI packages for Linux(32-bit and 64-bit), documentation, and sample code. Follow the instructions in the readme.txt to get started.
Download	Cisco JTAPI Client for Windows - 32-bit and 64-bit	JTAPI provides a standard programming interface for communication-enabled applications written in the Java programming language. Use this file on computers running Windows which host communication-enabled CTI applications that interact with Cisco Unified Communications Manager via JTAPI. This zip archive includes the JTAPI packages for Windows(32-bit and 64-bit), documentation, and sample code. Follow the instructions in the readme.txt to get started.
Download	Cisco TAPI 32-bit Client	TAPI provides a standard programming interface for communication-enabled applications running on Microsoft Windows. Install this plug-in on all Windows 32-bit operating system computers which host communication-enabled CTI applications that interact with Cisco Unified Communications Manager via TAPI. Install Cisco Media Driver to enable TAPI-based applications to play announcements and record call media.
Download	Cisco TAPI 64-bit Client	TAPI provides a standard programming interface for communication-enabled applications running on Microsoft Windows 64-bit operating systems. Install this plug-in on all Windows 64-bit operating system computers which host communication-enabled CTI applications that interact with Cisco Unified Communications Manager via TAPI. Install Cisco Media Driver to enable TAPI-based applications to play announcements and record call media.
Download	Cisco TAPS	Cisco Tool for Auto-Registered Phone Support (TAPS) helps Users remotely download preconfigured phone settings to provision their device. TAPS works in conjunction with Bulk Administration, Unified CM Administration and Unified Contact Center Express (UCCX). Install this component on a UCCX server release that is compatible with the desired Cisco Unified Communications Manager release.
Download	Cisco Unified CM Assistant Console	Cisco Unified CM Assistant Console helps assistants handle calls for their managers more effectively. The assistant console connects to the Cisco Unified Communications Manager IP Manager Assistant (IPMA) Service for login and directory services. Multiple assistant consoles can connect to a single Cisco Unified CM IPMA Service. Install this plug-in on Windows operating system computers.
Download	Cisco Unified Real-Time Monitoring Tool - Linux	Cisco Unified Real-Time Monitoring Tool (RTMT) is a client tool that monitors device status system performance device discovery and CTI applications running on the Unified Communications Manager cluster in real-time. RTMT also connects directly to devices to aid in troubleshooting. Install this client on Administrative workstations running Linux operating systems where real-time monitoring is desired. This RTMT client can also be used to connect to Intercompany Media Engine (IME) server and Cisco IM and Presence(IM&P) server.
Download	Cisco Unified Real-Time Monitoring Tool - Windows	Cisco Unified Real-Time Monitoring Tool (RTMT) is a client tool that monitors device status system performance device discovery and CTI applications running on the Unified Communications Manager cluster in real-time. RTMT also connects directly to devices to aid in troubleshooting. Install this client on Administrative workstations running Windows operating systems where real-time monitoring is desired. This RTMT client can also be used to connect to Intercompany Media Engine (IME) server and Cisco IM and Presence(IM&P) server.

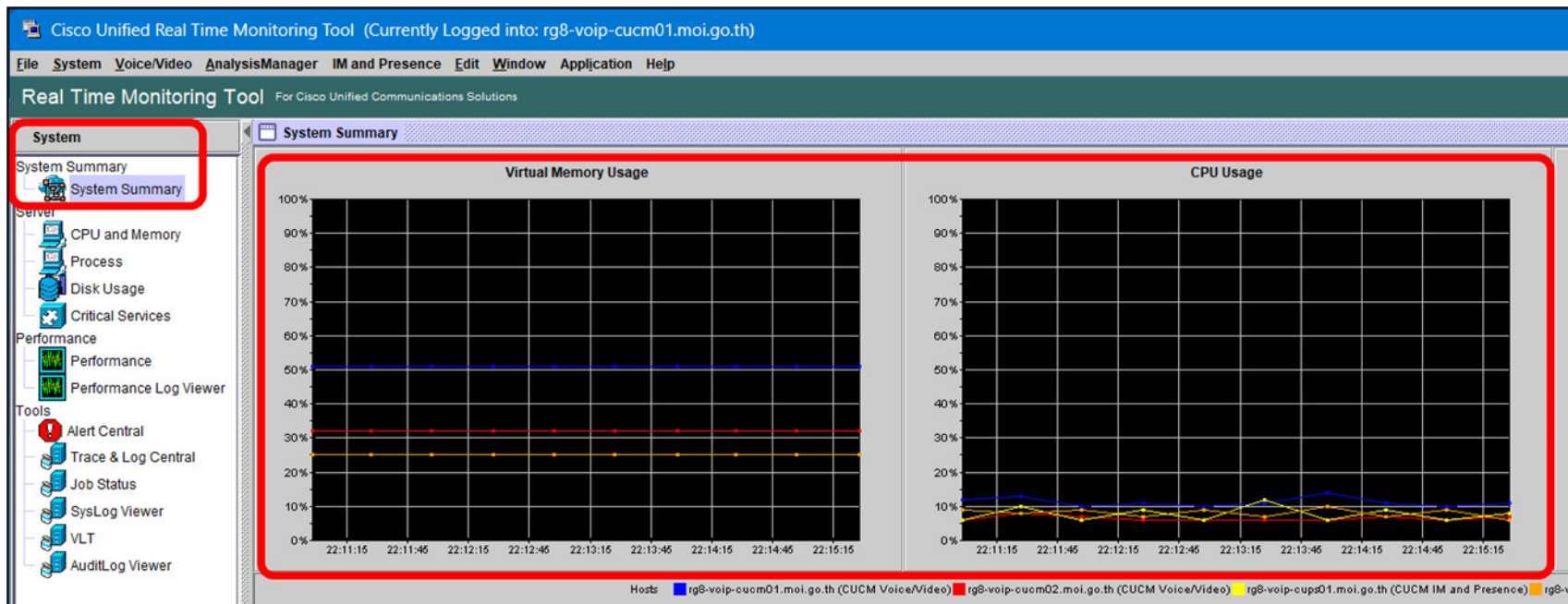
- เปิด Software Cisco Unified Real-Time Monitoring Tool ขึ้นมาแล้ว ip address ของ Cisco Unified Communication Manager



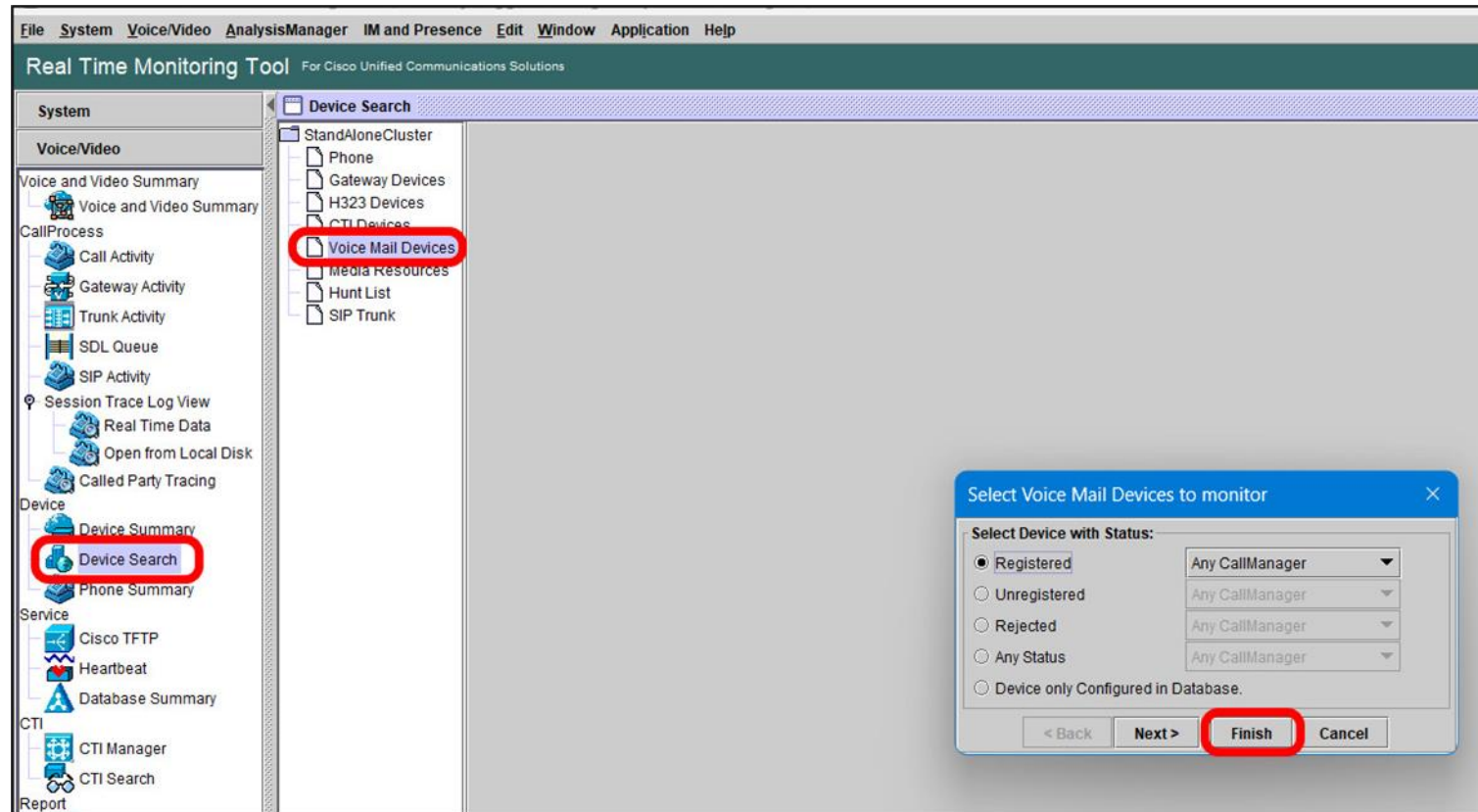
- เมื่อปรากฏหน้าต่าง Authentication Required ขึ้นมาให้ใส่ username, password ของ Cisco Unified Communication Manager และเลือก OK



- เลือก System > System Summary เพื่อดูสถานะการณ์ทำงานของ Virtual Memory Usage, CPU Usage (ในกรณี CUCM/IM and Presence ทำงานปกติ กราฟที่แสดงการทำงานจะไม่ขึ้นสูงถึง 100% อย่างต่อเนื่อง) แต่ถ้าพบว่ากราฟที่แสดงการทำงานจะไม่ขึ้นสูงถึง 100% อย่างต่อเนื่องให้แจ้งผู้ดูแลระบบช่วยตรวจสอบ



- เลือก Device Search > Voice Mail Devices > Finish เพื่อดูสถานการณ์ทำงานของ Cisco Unity Connect



- เลือก Device Search > Voice Mail Devices
- จากตารางที่แสดงข้อมูลให้ตรวจสอบที่หัวข้อ Status ถ้า Voice Mail Port ทำงานปกติจะแสดงสถานะ Registered
- ในกรณีที่แสดงสถานะที่ไม่ใช่ Registered ให้แจ้งผู้ดูแลระบบช่วยตรวจสอบ

Name	Status	Node	IpAddress	Model	Description	StatusR..
unity-V11	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-V11	N/A
unity-V110	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-V110	N/A
unity-V111	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-V111	N/A
unity-V112	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-V112	N/A
unity-V113	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-V113	N/A
unity-V114	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-V114	N/A
unity-V115	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-V115	N/A
unity-V116	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-V116	N/A
unity-V117	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-V117	N/A
unity-V12	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-V12	N/A
unity-V13	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-V13	N/A
unity-V14	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-V14	N/A
unity-V15	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-V15	N/A
unity-V16	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-V16	N/A
unity-V17	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-V17	N/A
unity-V18	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-V18	N/A
unity-V19	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-V19	N/A

- ที่ Navigation เลือก Cisco Unified Serviceability
- ใส่ username, password ของ Cisco Unified Communication Manager และเลือก Login



Cisco Unified Reporting
For Cisco Unified Communications Solutions

Navigation: Cisco Unified Serviceability Go

Cisco Unified Reporting

Username
administrator

Password
.....

Login Reset

- เลือก Tools > Service Activation

The screenshot shows the Cisco Unified Serviceability web interface. The top navigation bar includes 'Navigation Cisco Unified Serviceability' and 'Go'. The user is logged in as 'administrator'. The 'Tools' menu is open, showing options like 'Service Activation', 'Control Center - Feature Services', 'Control Center - Network Services', 'Serviceability Reports Archive', 'Audit Log Configuration', 'Locations', 'CDR Analysis and Reporting', and 'CDR Management'. The 'Service Activation' option is selected, and a dropdown menu is visible with the following items: '-- Select a Server --', 'copi-voip-cucm02.moi.go.th--CUCM Voice/Video', 'copi-voip-cucm03.moi.go.th--CUCM Voice/Video', 'copi-voip-cucm04.moi.go.th--CUCM Voice/Video', 'moi-voip-cucm01.moi.go.th--CUCM Voice/Video', 'copi-voip-cucm01.moi.go.th--CUCM Voice/Video', 'moi-voip-cucm02.moi.go.th--CUCM Voice/Video', 'moi-voip-cucm04.moi.go.th--CUCM Voice/Video', 'moi-voip-cucm03.moi.go.th--CUCM Voice/Video', 'copi-voip-cups01.moi.go.th--CUCM IM and Presence', 'copi-voip-cups02.moi.go.th--CUCM IM and Presence', 'moi-voip-cups02.moi.go.th--CUCM IM and Presence', and 'moi-voip-cups01.moi.go.th--CUCM IM and Presence'. A 'Go' button is visible next to the dropdown menu.

- เลือก CUCM ที่ต้องการตรวจสอบ Service และเลือก Go

- ในหน้านี้จะแสดงสถานะของ Service ต่างๆ ที่ใช้โดย CUCM

The screenshot displays the Cisco Unified Serviceability interface. At the top, it shows the Cisco logo and the text "Cisco Unified Serviceability For Cisco Unified Communications Solutions". The navigation bar includes "Navigation" with a dropdown menu set to "Cisco Unified Serviceability" and a "Go" button. The user is logged in as "administrator" with "About" and "Logout" links. Below the navigation bar, there are tabs for "Alarm", "Trace", "Tools", "Snmp", "CallHome", and "Help". The main content area is titled "Service Activation" and includes a "Related Links" section with a dropdown menu set to "Control Center - Feature Services" and a "Go" button. The interface has three main sections: "Status", "Select Server", and "CM Services".

Status
Ready

Select Server
Server*
 Check All Services

CM Services

	Service Name	Activation Status
<input checked="" type="checkbox"/>	Cisco CallManager	Activated
<input checked="" type="checkbox"/>	Cisco IP Voice Media Streaming App	Activated
<input checked="" type="checkbox"/>	Cisco CTIManager	Activated
<input checked="" type="checkbox"/>	Cisco Extension Mobility	Activated
<input checked="" type="checkbox"/>	Cisco Extended Functions	Activated
<input checked="" type="checkbox"/>	Cisco DHCP Monitor Service	Activated
<input checked="" type="checkbox"/>	Cisco Location Bandwidth Manager	Activated
<input checked="" type="checkbox"/>	Cisco Directory Number Alias Lookup	Activated
<input checked="" type="checkbox"/>	Cisco Headset Service	Activated
<input checked="" type="checkbox"/>	Cisco Dialed Number Analyzer Server	Activated
<input checked="" type="checkbox"/>	Cisco Dialed Number Analyzer	Activated
<input checked="" type="checkbox"/>	Cisco Tftp	Activated

CTI Services

	Service Name	Activation Status
<input checked="" type="checkbox"/>	Cisco IP Manager Assistant	Activated
<input checked="" type="checkbox"/>	Cisco WebDialer Web Service	Activated

- เลือก Tool > Control Center Feature Services

The screenshot shows the Cisco Unified Serviceability web interface. The top navigation bar includes 'Navigation' with a dropdown menu set to 'Cisco Unified Serviceability' and a 'Go' button. Below this, the user is logged in as 'administrator'. The main menu includes 'Alarm', 'Trace', 'Tools', 'Snmp', 'CallHome', and 'Help'. The 'Tools' menu is expanded, showing options like 'Service Activation', 'Control Center - Feature Services', 'Control Center - Network Services', 'Serviceability Reports Archive', 'Audit Log Configuration', 'Locations', 'CDR Analysis and Reporting', and 'CDR Management'. The 'Control Center - Network Services' option is selected. Below the menu, there is a 'Select Server' section with a dropdown menu and a 'Go' button. The dropdown menu is open, showing a list of servers including 'copi-voip-cucm02.moi.go.th--CUCM Voice/Video', 'copi-voip-cucm03.moi.go.th--CUCM Voice/Video', 'copi-voip-cucm04.moi.go.th--CUCM Voice/Video', 'moi-voip-cucm01.moi.go.th--CUCM Voice/Video', 'copi-voip-cucm01.moi.go.th--CUCM Voice/Video', 'moi-voip-cucm02.moi.go.th--CUCM Voice/Video', 'moi-voip-cucm04.moi.go.th--CUCM Voice/Video', 'moi-voip-cucm03.moi.go.th--CUCM Voice/Video', 'copi-voip-cups01.moi.go.th--CUCM IM and Presence', 'copi-voip-cups02.moi.go.th--CUCM IM and Presence', 'moi-voip-cups02.moi.go.th--CUCM IM and Presence', and 'moi-voip-cups01.moi.go.th--CUCM IM and Presence'.

- เลือก CUCM ที่ต้องการตรวจสอบ Service และเลือก Go

- ในหน้านี้จะแสดงสถานะของ Network Service ต่างๆ ที่ใช้โดย CUCM

Control Center - Network Services

Navigation: Cisco Unified Serviceability | administrator | About | Logout

Alarm | Trace | Tools | Snmp | CallHome | Help

Start | Stop | Restart | Refresh Page

Status: Ready

Select Server: Server* copi-voip-cucm03.moi.go.th--CUCM Voice/Video | Go

Performance and Monitoring

Service Name	Status	Start Time	Up Time
<input type="radio"/> Cisco CallManager Serviceability RTMT	Running	Thu Jan 6 20:39:54 2022	612 days 21:21:55
<input type="radio"/> Cisco RTMT Reporter Servlet	Running	Thu Jan 6 20:39:54 2022	612 days 21:21:55
<input type="radio"/> Cisco Log Partition Monitoring Tool	Running	Thu Jan 6 20:34:27 2022	612 days 21:27:22
<input type="radio"/> Cisco Tomcat Stats Servlet	Running	Thu Jan 6 20:39:54 2022	612 days 21:21:55
<input type="radio"/> Cisco RIS Data Collector	Running	Thu Jan 6 20:34:09 2022	612 days 21:27:40
<input type="radio"/> Cisco AMC Service	Running	Thu Jan 6 20:34:10 2022	612 days 21:27:39
<input type="radio"/> Cisco Audit Event Service	Running	Thu Jan 6 20:34:13 2022	612 days 21:27:36

Platform Services

Service Name	Status	Start Time	Up Time
<input type="radio"/> Platform Administrative Web Service	Running	Thu Jan 6 20:39:54 2022	612 days 21:21:55
<input type="radio"/> A Cisco DB	Running	Thu Jan 6 20:33:41 2022	612 days 21:28:08
<input type="radio"/> A Cisco DB Replicator	Running	Thu Jan 6 20:33:42 2022	612 days 21:28:07
<input type="radio"/> SNMP Master Agent	Running	Thu Jan 6 20:33:46 2022	612 days 21:28:03
<input type="radio"/> MIB2 Agent	Running	Thu Jan 6 20:33:47 2022	612 days 21:28:02
<input type="radio"/> Host Resources Agent	Running	Thu Jan 6 20:33:48 2022	612 days 21:28:01
<input type="radio"/> System Application Agent	Running	Thu Jan 6 20:33:49 2022	612 days 21:28:00
<input type="radio"/> Cisco CDP Agent	Running	Thu Jan 6 20:33:50 2022	612 days 21:27:59
<input type="radio"/> Cisco Syslog Agent	Running	Thu Jan 6 20:33:51 2022	612 days 21:27:58
<input type="radio"/> Cisco Certificate Expiry Monitor	Running	Thu Jan 6 20:34:02 2022	612 days 21:27:47

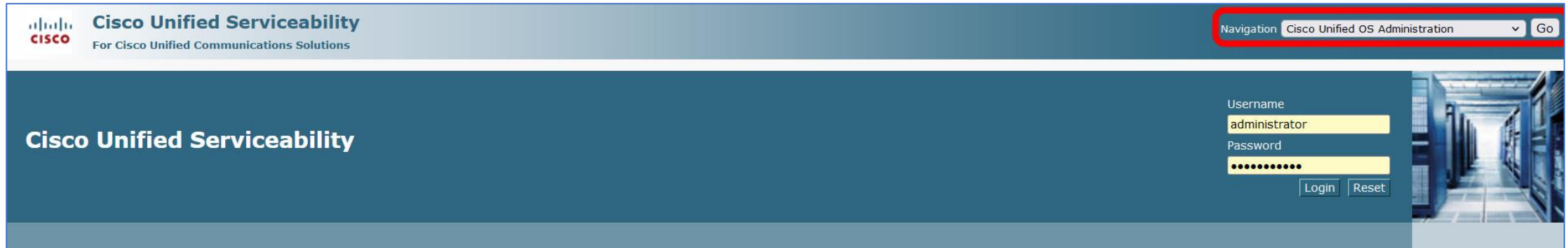
- ขั้นตอนในการ Restart Network Service ทำได้ดังนี้
 - เลือก Service ที่ต้องการ Restart
 - เลือก Restart

The screenshot shows the Cisco Unified Serviceability interface. At the top, there is a navigation bar with the Cisco logo and the text "Cisco Unified Serviceability For Cisco Unified Communications Solutions". Below this, there are tabs for "Alarm", "Trace", "Tools", "Snmp", "CallHome", and "Help". The main content area is titled "Control Center - Network Services" and includes a "Start" button, a "Stop" button, a "Restart" button (highlighted with a red box), and a "Refresh Page" button. Below the buttons, there is a "Status" section showing "Ready". A "Select Server" dropdown menu is set to "copi-voip-cucm03.moi.go.th--CUCM Voice/Video". The main part of the interface is a table with the following data:

Performance and Monitoring					
	Service Name	Status	Start Time	Up Time	
<input checked="" type="radio"/>	Cisco CallManager Serviceability RTMT	Running	Thu Jan 6 20:39:54 2022	612 days 21:21:55	
<input type="radio"/>	Cisco RTMT Reporter Servlet	Running	Thu Jan 6 20:39:54 2022	612 days 21:21:55	
<input type="radio"/>	Cisco Log Partition Monitoring Tool	Running	Thu Jan 6 20:34:27 2022	612 days 21:27:22	
<input type="radio"/>	Cisco Tomcat Stats Servlet	Running	Thu Jan 6 20:39:54 2022	612 days 21:21:55	
<input type="radio"/>	Cisco RIS Data Collector	Running	Thu Jan 6 20:34:09 2022	612 days 21:27:40	
<input type="radio"/>	Cisco AMC Service	Running	Thu Jan 6 20:34:10 2022	612 days 21:27:39	
<input type="radio"/>	Cisco Audit Event Service	Running	Thu Jan 6 20:34:13 2022	612 days 21:27:36	

Platform Services					
	Service Name	Status	Start Time	Up Time	
<input type="radio"/>	Platform Administrative Web Service	Running	Thu Jan 6 20:39:54 2022	612 days 21:21:55	
<input type="radio"/>	A Cisco DB	Running	Thu Jan 6 20:33:41 2022	612 days 21:28:08	
<input type="radio"/>	A Cisco DB Replicator	Running	Thu Jan 6 20:33:42 2022	612 days 21:28:07	
<input type="radio"/>	SNMP Master Agent	Running	Thu Jan 6 20:33:46 2022	612 days 21:28:03	
<input type="radio"/>	MIB2 Agent	Running	Thu Jan 6 20:33:47 2022	612 days 21:28:02	
<input type="radio"/>	Host Resources Agent	Running	Thu Jan 6 20:33:48 2022	612 days 21:28:01	
<input type="radio"/>	System Application Agent	Running	Thu Jan 6 20:33:49 2022	612 days 21:28:00	
<input type="radio"/>	Cisco CDP Agent	Running	Thu Jan 6 20:33:50 2022	612 days 21:27:59	
<input type="radio"/>	Cisco Syslog Agent	Running	Thu Jan 6 20:33:51 2022	612 days 21:27:58	
<input type="radio"/>	Cisco Certificate Expiry Monitor	Running	Thu Jan 6 20:34:02 2022	612 days 21:27:47	

- ที่ Navigation เลือก Cisco Unified OS Administrator
- ใส่ username, password ของ Cisco Unified Communication Manager และเลือก Login



Cisco Unified Serviceability

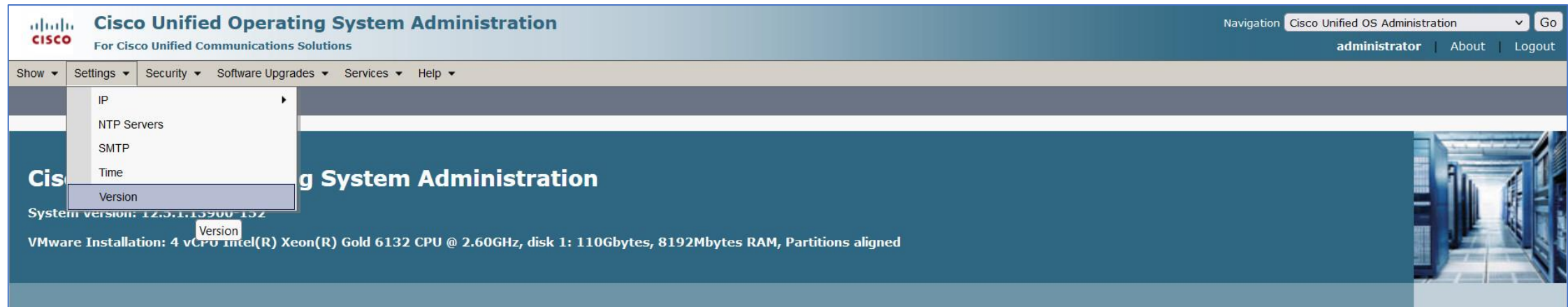
Navigation Cisco Unified OS Administration Go

Username
administrator

Password
.....

Login Reset

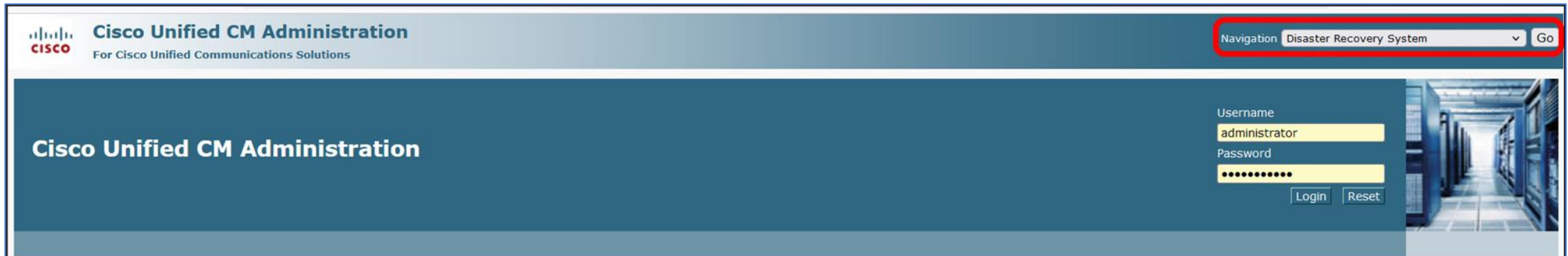
- เลือก Settings > Version



- ในหน้าต่าง่นี้จะมีเมนูที่สามารถสั่ง Restart หรือ Shutdown CUCM ได้ผ่าน Web Application

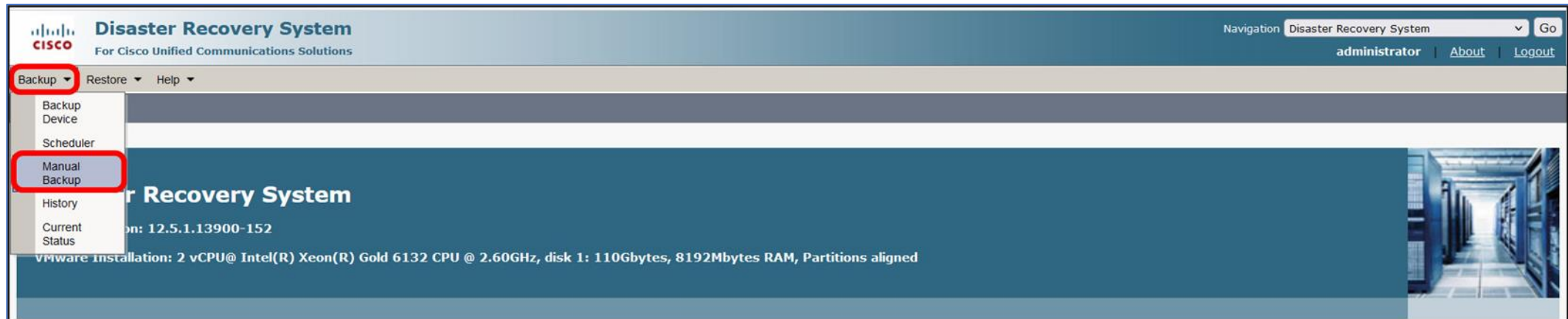
The screenshot displays the Cisco Unified Operating System Administration web interface. The page title is "Cisco Unified Operating System Administration" with the subtitle "For Cisco Unified Communications Solutions". The navigation bar includes "Navigation Cisco Unified OS Administration" and "Go". The user is logged in as "administrator" with links for "About" and "Logout". The main menu includes "Show", "Settings", "Security", "Software Upgrades", "Services", and "Help". The "Version Settings" section is highlighted with a red box, showing "Restart" and "Shutdown" buttons. Below this, the "Status" section shows "Status: Ready". The "Installed Versions" section shows "Active Version 12.5.1.13900-152". At the bottom, there are "Restart" and "Shutdown" buttons, and two informational messages: "*- indicates required item." and "**Use caution when shutting down, restarting, or switching versions".

- ที่ Navigation เลือก Disaster Recovery System และเลือก Go
- ใส่ username, password ของ Cisco Unified Communication Manager และเลือก Login



The screenshot displays the Cisco Unified CM Administration web interface. At the top left, the Cisco logo and the text "Cisco Unified CM Administration For Cisco Unified Communications Solutions" are visible. In the top right corner, a navigation menu is highlighted with a red box, showing "Navigation" followed by a dropdown menu containing "Disaster Recovery System" and a "Go" button. Below the navigation menu, the main content area features the text "Cisco Unified CM Administration" on the left. On the right side of this area, there is a login form with the following fields: "Username" with the value "administrator", "Password" with a masked field of ten dots, and two buttons labeled "Login" and "Reset". To the right of the login form is a background image of a server room aisle.

- เลือก Backup > Manual Backup



- ช่อง Device Name* ให้เลือก Device ที่มีอยู่ในระบบ
- คลิกเลือก UCM, CDR_CAR, IM_AND_PRESENCE
- คลิก Start Backup

Disaster Recovery System
For Cisco Unified Communications Solutions

Backup ▾ Restore ▾ Help ▾

Manual Backup 3

Start Backup Estimate Size Select All Clear All

Status
Status: Ready 1

Select Backup Device
Device Name* ▾

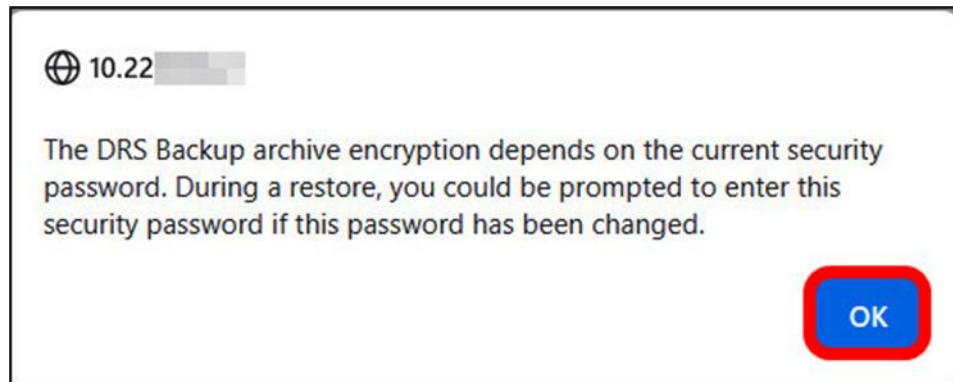
Select Features * 2

- UCM
- CDR_CAR
- IM_AND_PRESENCE

The following components are registered with Disaster Recovery System:

Feature	Server
UCM	VOIP-CUCM01 CCMDB
UCM	VOIP-CUCM01 TCT

- เมื่อมีหน้าต่างแจ้งเตือนปรากฏขึ้นให้เลือก OK
- เมื่อระบบ Backup Complete: 100% แล้ว ไฟล์จะถูกจัดเก็บไว้ตาม device part ที่ admin ได้ Setting ไว้



- วิธีตรวจสอบ device part ที่ admin ได้ Setting ทำได้โดยเลือก Backup Device ก็จะแสดงข้อมูล Backup Device List

The screenshot shows the Cisco Disaster Recovery System interface. The 'Backup Device' menu item is highlighted in a red box. Below it, the 'Backup Device List' table is also highlighted in a red box. The table contains one entry for a device named 'voip-cucm'.

	Device Name	Device Type	Device Path
<input type="checkbox"/>	voip-cucm	NETWORK	10.2... : /home/administrator/...

Session

File protocol:
SFTP

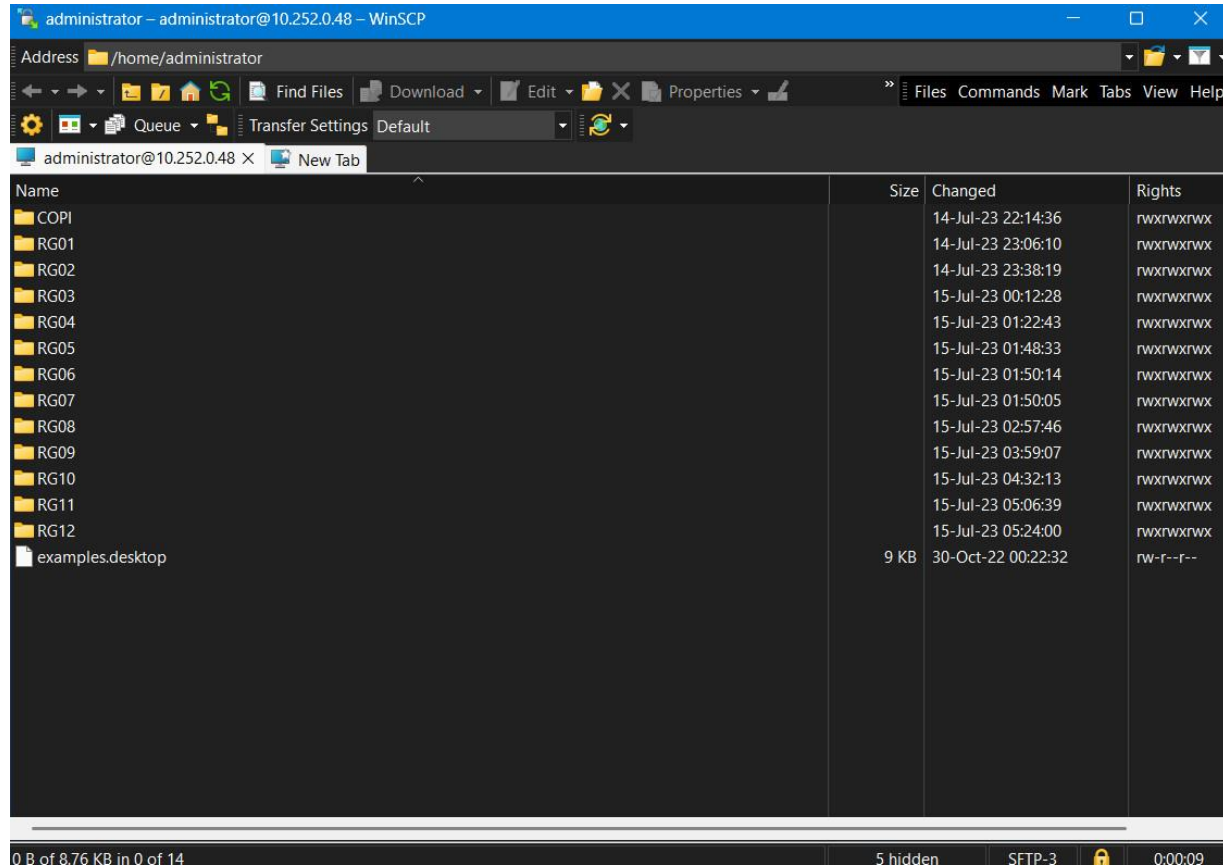
Host name: 10.252.0.48 Port number: 22

User name: administrator Password:

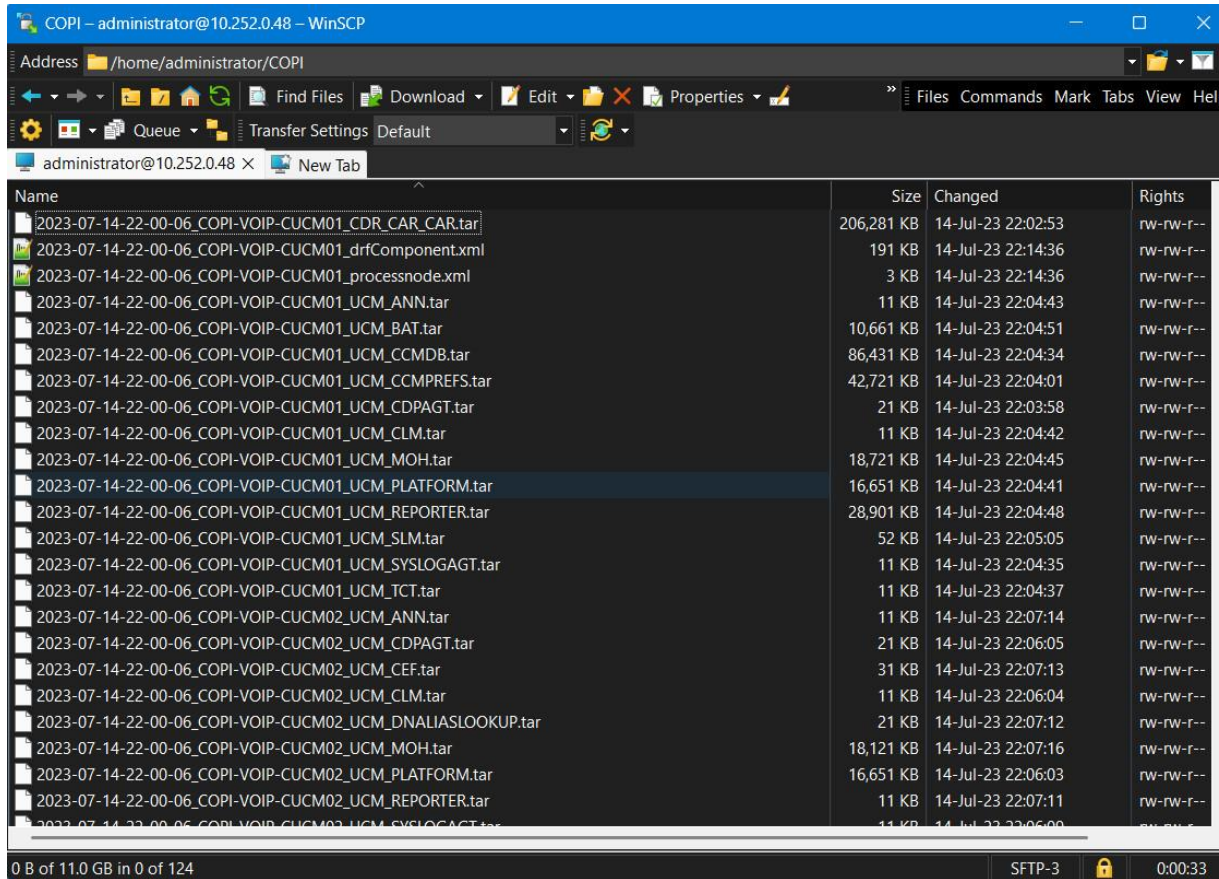
Save Advanced...

Login Close Help

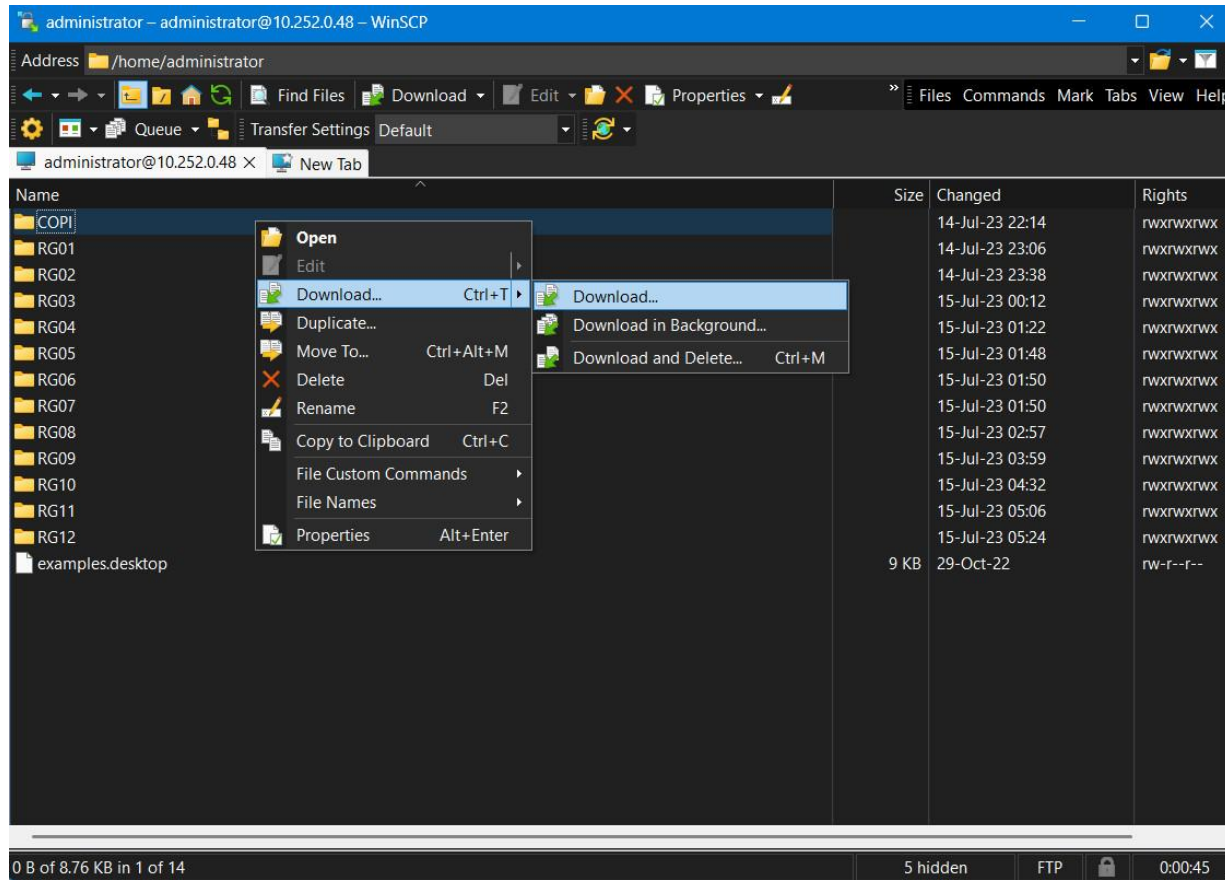
- ตรวจสอบ file ที่ได้ Backup ไว้โดยใช้ Protocol SFTP
- File protocol: SFTP
- Host name: 10.252.0.48
- Port number: 22
- User name: administrator
- Password: *สอบถามผู้ดูแลระบบ*
- เลือก Login



- แสดง Folder ที่ได้จัดเก็บ File Backup



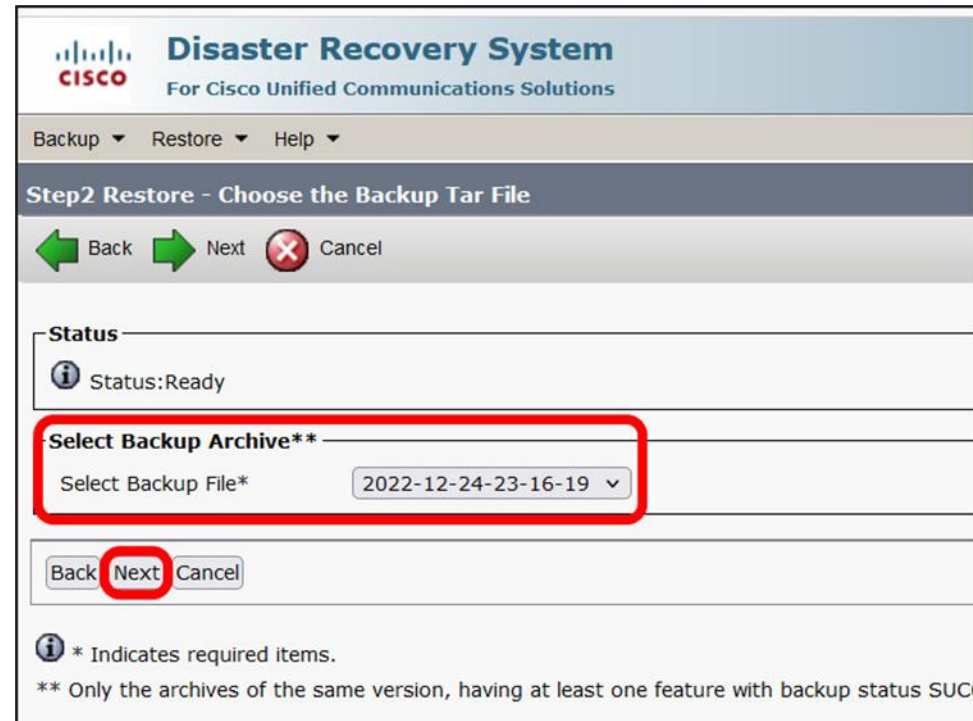
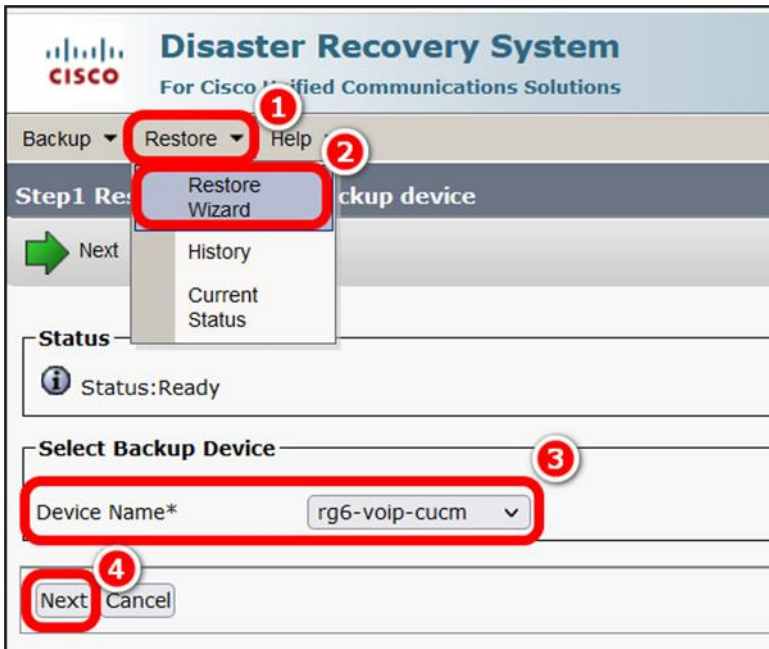
- แสดง File Backup ที่อยู่ด้านใน Folder



- วิธี Download Folder ที่จัดเก็บ File Backup ทำได้ดังนี้
- คลิกขวาที่ Folder ที่ต้องการ Download เลือก Download... และเลือก Download...

- เลือก Restore > Restore Wizard
- ที่หัวข้อ Device Name* เลือก Device ที่มีอยู่ในระบบ และเลือก Next

- ที่หัวข้อ Select Backup File* เลือกไฟล์ที่ Backup ไว้ และเลือก Next เพื่อเริ่มขั้นตอน Restore





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

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Thanks and Regards.

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