

ศูนย์เทคโนโลยีสารสนเทศและการสื่อสาร สป.มท.

Information and Communication Technology Center.



# IP Telephony

Unified Real-Time Monitoring Tool (RTMT)



 ใส่ IP Login Cisco Unified Communication Manager และเลือกที่หัวข้อ Cisco Unified Communication Manager

CIS	0			
Insta	led Applications			
Cis	co Unified Communications co Unified Communications	Manager Self Care Portal	1	
Crypt	ographic Features			

- ใส่ Username และ Password และกด Login
- ทำการติดตั้ง RTMT โดยเลือก Application > Plugins





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

alada Cisco I	<b>Unified CM Admini</b>	stration Cisco Unified CM Administration v Go						
CISCO For Cisco U	nified Communications Soluti	ons administrator   About   Logout						
System - Call Routing	stem   Call Routing  Media Resources  Advanced Features  Device  Application  User Management  Bulk Administration  Help							
Find and List Plugins								
_ Status								
(i) 11 records found								
Plugin (1 - 11 of	11)	Rows per Page 50 v						
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.						
<u>Download</u>	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 (RTMI) 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 ขึ้นมาให้ ใส่ username, password ของ Cisco Unified Communication Manager และเลือก OK

Authentication Required	×
A username and password are being red User Name: Password: Ok	Luested by https:// 8443



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

System	Device Search							
Voice/Video	StandAloneCluster	Name	Status	Node	IpAddress	Model	Description	StatusR
Toloci Tideo	- D Phone	unity-VI1	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-VI1	N/A
oice and Video Summary	Gateway Devices	unity-VI10	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-VI10	N/A
Voice and Video Summary	- 🗋 H323 Devices	unity-VI11	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-VI11	N/A
allProcess	CTI Devices	unity-VI12	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-VI12	N/A
	Voice Mail Devices	unity-VI13	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-VI13	N/A
Call Activity	Media Resources	unity-VI14	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-VI14	N/A
Gateway Activity	N Hunt List	unity-VI15	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-VI15	N/A
		unity-VI16	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-VI16	N/A
Trunk Activity		unity-VI17	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-VI17	N/A
SDL Queue		unity-VI2	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-VI2	N/A
		unity-VI3	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-VI3	N/A
SIP Activity		unity-VI4	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-VI4	N/A
Session Trace Log View		unity-VI5	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-VI5	N/A
Real Time Data		unity-VI6	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-VI6	N/A
Open from Local Dick		unity-VI7	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-VI7	N/A
Open nom Local Disk		unity-VI8	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-VI8	N/A
Called Party Tracing		unity-VI9	Registered	cucm01.moi.go.th	10.2	Voice Mail Port	unity-VI9	N/A
Device Summary								

# Cisco Unified Communications Manager-Monitor Service



- 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

Line Cisco	<b>Unified Serviceabilit</b>		Navigation Cisco Unified Serviceability 🗸 🗸
CISCO For Cisc	co Unified Communications Solu	tions	
rm • Trace • T		· ·	auministrator About Log
vice Activation	Service Activation		
	Control Center - Feature		
elect Server —	Services		
rver* Select	Control Center - <u>N</u> etwork Services	<b>v</b> Go	
	Serviceability <u>R</u> eports Archive		
	Audit Log Configuration	Cieco Unified Serviceshility	
	Locations •	CISCO Unified Serviceability	<ul> <li>เลือก CHCM ที่ต้องการตราจสอบ Service และ</li> </ul>
	CDR Analysis and	For cisco oninea communications solutions	
		<u>A</u> larm ▼ <u>T</u> race ▼ T <u>o</u> ols ▼ <u>S</u> nmp ▼ <u>C</u> allHome ▼ <u>H</u> elp ▼	เลือก (
		Service Activation	661011 00
		- Select Server	
		Server* Select a Server V Go	
		Select a Server	
		copi-voip-cucm02.moi.go.thCUCM Voice/Video	
		copi-voip-cucm03.moi.go.thCUCM Voice/Video	
		copi-voip-cucm04.moi.go.thCUCM Voice/Video	
		moi-voip-cucm01.moi.go.thCUCM Voice/Video	
		copi-voip-cucm01.moi.go.thCUCM Voice/Video	
		moi-voip-cucm02.moi.go.thCUCM Voice/Video	
		moi-voip-cucm04.moi.go.thCUCM Voice/Video	
		moi-voip-cucm03.moi.go.thCUCM Voice/Video	
		copi-voip-cups01.moi.go.thCUCM IM and Presence	
		copi-voip-cups02.moi.go.thCUCM IM and Presence	
		moi-voip-cups02.moi.go.thCUCM IM and Presence	
		moi-voip-cups01.moi.go.thCUCM IM and Presence	

# Cisco Unified Communications Manager-Monitor Service



# • ในหน้านี้จะแสดงสถานะของ Service ต่างๆ ที่ใช้โดย CUCM

cisco	Cisco Unified Serviceability For Cisco Unified Communications Solutions	Navigation Cisco Unified Serviceability Go						
Alarm 👻	race ▼ Tools ▼ Snmp ▼ CallHome ▼ Help ▼	auministrator About Logout						
Service Ac	ivation	Related Links: Control Center - Feature Services 💙 Go						
Sav	e 🧬 Set to Default 🔇 Refresh							
Status								
Ready								
5								
- Select Se	rver							
Server*	copi-voip-cucm03.moi.go.thCUCM Voice/Video 🗸 Go							
Check	All Services							
-								
CM Servi	es							
	Service Name	Activation Status						
	Cisco CallManager	Activated						
	Cisco IP Voice Media Streaming App	Activated						
	Cisco CTIManager	Activated						
	Cisco Extension Mobility	Activated						
	Cisco Extended Functions	Activated						
	Cisco DHCP Monitor Service	Activated						
	Cisco Location Bandwidth Manager	Activated						
	Cisco Directory Number Alias Lookup	Activated						
	Cisco Headset Service	Activated						
	Cisco Dialed Number Analyzer Server	Activated						
	Cisco Dialed Number Analyzer	Activated						
	Cisco Tftp	Activated						
CTI Servi	ces							
	Service Name	Activation Status						
	Cisco IP Manager Assistant	Activated						
	Cisco WebDialer Web Service	Activated						



#### เลือก Tool > Control Center Feature Services

CISCO For C	co Unified Serviceat	s Solutions		Navigation Cisco Unified Serviceability V Go administrator About Logout
Alarm • Trace •	Tools • Snmp • CallHome •	• <u>H</u> elp ▼		
Control Center - I	Service Activation			
	Control Center - <u>F</u> eature Services			
- Select Server-	Control Center - <u>N</u> etwork Services			
Server* Selec	t Serviceability <u>R</u> eports Archive	✓ Go		
I + indicates rec	Audit Log Configuration	cisc	Cisco Unified Serviceability     For Cisco Unified Communications Solutions	
	CDR Analysis and Reporting	Alarm 💌	Trace  Tools  Somp  CallHome  Help	Ison CUCM ทตองการตรวจสอบ Service และ
	CDR Management	Control	Center - Network Services	
		Select	Server	
		Server	Go	
		<b>(1</b> )* - in	Select a Server copi-voip-cucm02.moi.go.thCUCM Voice/Video copi-voip-cucm03.moi.go.thCUCM Voice/Video copi-voip-cucm01.moi.go.thCUCM Voice/Video moi-voip-cucm01.moi.go.thCUCM Voice/Video moi-voip-cucm01.moi.go.thCUCM Voice/Video moi-voip-cucm02.moi.go.thCUCM Voice/Video moi-voip-cucm03.moi.go.thCUCM Voice/Video moi-voip-cucm03.moi.go.thCUCM Voice/Video copi-voip-cups01.moi.go.thCUCM IM and Presence copi-voip-cups02.moi.go.thCUCM IM and Presence moi-voip-cups01.moi.go.thCUCM IM and Presence moi-voip-cups01.moi.go.thCUCM IM and Presence	

โครงการค่าจัดหาระบบโทรศัพท์ (IP Telephony) เพื่อการสื่อสารแบบครบวงจรของกระทรวงมหาดไทย

# Cisco Unified Communications Manager-Monitor Service



#### • ในหน้านี้จะแสดงสถานะของ Network Service ต่างๆ ที่ใช้โดย CUCM

Cisco Unified Serviceability				Navigation Cisco Unified Serviceability	✓ Go
CISC	• For Cisco Unified Communications Solutions				
Alarm 🔻	Trace  Tools  Snmp  CallHome  Help			administrator About	Logout
Control (	Center - Network Services			Related Links: Service Activation	✓ Go
					-
Sta	art Stop ha Restart 🔇 Refresh Page				
Status					
(i) Read	ły				
- Select	Server				
Server	* coni voin curm03 mai co the CUCM Vaice/Video				
Perform	nance and Monitoring				
-	Service Name	Status	Start Time	Up Time	
0	Cisco CallManager Serviceability RTMT	Running	Thu Jan 6 20:39:54 2022	612 days 21:21:55	
0	Cisco RTMT Reporter Servlet	Running	Thu Jan 6 20:39:54 2022	612 days 21:21:55	
0	Cisco Log Partition Monitoring Tool	Running	Thu Jan 6 20:34:27 2022	612 days 21:27:22	
0	Cisco Tomcat Stats Servlet	Running	Thu Jan 6 20:39:54 2022	612 days 21:21:55	
0	Cisco RIS Data Collector	Running	Thu Jan 6 20:34:09 2022	612 days 21:27:40	
0	Cisco AMC Service	Running	Thu Jan 6 20:34:10 2022	612 days 21:27:39	
0	Cisco Audit Event Service	Running	Thu Jan 6 20:34:13 2022	612 days 21:27:36	
DI II	<b>2</b> •				
Plattor	m Services	<u></u>			
	Service Name	Status	Start Time	Up Time	
0	Platform Administrative Web Service	Running	Thu Jan 6 20:39:54 2022	612 days 21:21:55	
0	A Cisco DB	Running	Thu Jan 6 20:33:41 2022	612 days 21:28:08	
0	A Cisco DB Replicator	Running	Thu Jan 6 20:33:42 2022	612 days 21:28:07	
0	SNMP Master Agent	Running	Thu Jan 6 20:33:46 2022	612 days 21:28:03	
0	MIB2 Agent	Running	Thu Jan 6 20:33:47 2022	612 days 21:28:02	
0	Host Resources Agent	Running	Thu Jan 6 20:33:48 2022	612 days 21:28:01	
0	System Application Agent	Running	Thu Jan 6 20:33:49 2022	612 days 21:28:00	
0	Cisco CDP Agent	Running	Thu Jan 6 20:33:50 2022	612 days 21:27:59	
0	Cisco Syslog Agent	Running	Thu Jan 6 20:33:51 2022	612 days 21:27:58	
0	Cisco Certificate Expiry Monitor	Running	Thu Jan 6 20:34:02 2022	612 days 21:27:47	

# Cisco Unified Communications Manager-Monitor Service



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

ahah	Cisco Unified Serviceability			Navigation Cisco Unified Serviceability v Go
cisco	For Cisco Unified Communications Solutions			administrator About Logout
Alarm -	<u>I</u> race ▼ Tools ▼ <u>S</u> nmp ▼ <u>C</u> allHome ▼ <u>H</u> elp ▼			
Control C	enter - Network Services			Related Links: Service Activation
Sta	rt 🐞 Stop 🕞 Restart 🐼 Refresh Page			
Status				
(i) Read	у			
- Select S	Server			
Server*	copi-voip-cucm03.moi.go.thCUCM Voice/Video 🔹 Go			
Perform	nance and Monitoring			
	Service Name	Status	Start Time	Up Time
	Cisco CallManager Serviceability RTMT	Running	Thu Jan 6 20:39:54 2022	612 days 21:21:55
0	Cisco RTMT Reporter Servlet	Running	Thu Jan 6 20:39:54 2022	612 days 21:21:55
õ	Cisco Log Partition Monitoring Tool	Running	Thu Jan 6 20:34:27 2022	612 days 21:27:22
0	Cisco Tomcat Stats Servlet	Running	Thu Jan 6 20:39:54 2022	612 days 21:21:55
0	Cisco RIS Data Collector	Running	Thu Jan 6 20:34:09 2022	612 days 21:27:40
0	Cisco AMC Service	Running	Thu Jan 6 20:34:10 2022	612 days 21:27:39
0	Cisco Audit Event Service	Running	Thu Jan 6 20:34:13 2022	612 days 21:27:36
Platiorn	n Services			
	Service Name	Status	Start Time	Up Time
0	Platform Administrative Web Service	Running	Thu Jan 6 20:39:54 2022	612 days 21:21:55
0	A Cisco DB	Running	Thu Jan 6 20:33:41 2022	612 days 21:28:08
0	A Cisco DB Replicator	Running	Thu Jan 6 20:33:42 2022	612 days 21:28:07
0	SNMP Master Agent	Running	Thu Jan 6 20:33:46 2022	612 days 21:28:03
0	MIB2 Agent	Running	Thu Jan 6 20:33:47 2022	612 days 21:28:02
0	Host Resources Agent	Running	Thu Jan 6 20:33:48 2022	612 days 21:28:01
0	System Application Agent	Running	Thu Jan 6 20:33:49 2022	612 days 21:28:00
0	Cisco CDP Agent	Running	Thu Jan 6 20:33:50 2022	612 days 21:27:59
0	Cisco Syslog Agent	Running	Thu Jan 6 20:33:51 2022	612 days 21:27:58
0	Cisco Certificate Expiry Monitor	Running	Thu Jan 6 20:34:02 2022	612 days 21:27:47

# Cisco Unified Communications Manager-Reboot and Shutdown



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





#### • เลือก Settings > Version

cisco	For Cisc	o Unified Operat	ing System Administration Solutions	Navigation Cisco Unified OS Administration V Go administrator About Logout
Show -	Settings 👻	Security • Software Upgra	des • Services • Help •	
	IP	۲		
	NTP Se	ervers		
	SMTP			
Cis	Time		g System Administration	AL ZU
Sucto	Versior	n		
Syste	III version.	Version		
VMwa	re Installa	ition: 4 vCPO intel(R) Xe	on(R) Gold 6132 CPU @ 2.60GHz, disk 1: 110Gbytes, 8192Mbytes RAM, Partitions aligned	

# Cisco Unified Communications Manager-Reboot and Shutdown



• ในหน้าต่างนี้จะมีเมนูที่สามารถสั่ง Restart หรือ Shutdown CUCM ได้ผ่าน Web Application

Cisco Unified Operating System Administration For Cisco Unified Communications Solutions	Navigation Cisco Unified OS Administration V Go administrator About Logout
Show   Settings   Sett	
Version Settings	
Restart 🔯 Shutdown	
Status	
Status: Ready	
_ Installed Versions	
Active Version 12.5.1.13900-152	
Restart Shutdown	
(i) *- indicates required item.	
(i) **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

CISCO Unified CM Administration For Cisco Unified Communications Solutions	Navigation Disaster Recovery System V Go
Cisco Unified CM Administration	Username administrator Password Login Reset



#### • เลือก Backup > Munal Backup

cise	1. [ 0 F	Disaster Recovery System	Navigation Disaster Recovery System V C administrator   About   Logo	Go out
Backup	- Re	estore  Help		
Ba	kup			
Sci	eduler			
Ma Bai His	nual kup ory	r Recovery System		
Cu Sta	rent tus varre 1	on: 12.5.1.13900-152 Installation: 2 vCPU@ Intel(R) Xeon(R) Gold 6132 CPU @ 2.60GHz, disk 1: 110Gbytes, 8192Mbytes RAM, Partitions aligned		1 10000



- 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 ▼		
fanual Backup 3		
Start Backup 🕘 Estimate Size 🔛 Select All 🔛 Clear All		
- Status		
Status:Ready		
-Select Backup Device Device Name*		
Select Features *		
The following components are registered with Disaster Recovery	System:	
Feature	Server	
UCM	VOIP-CUCM01	CCMDB
UCM	VOIP-CUCM01	тст



• เมื่อมีหน้าต่างแจ้งเตือนปรากฏขึ้นให้เลือก OK

⊕ 10.22
The DRS Backup archive encryption depends on the current security password. During a restore, you could be prompted to enter this security password if this password has been changed.
ОК

 เมื่อระบบ Backup Complete: 100% แล้ว ไฟล์จะถูก จัดเก็บไว้ตาม device part ที่ admin ได้ Setting ไว้

ommunications Solution	<b>1</b> 15
ed	
2022-12-24-23	-16-19.tar
NETWORK	
BACKUP	
100%	
Server	Component
VIOID CUDCOL	XCP
VOIP-COPSUI	ALC:
VOIP-CUPS01	CDPAGT
	ed 2022-12-24-23 NETWORK BACKUP 100% Server



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

nun - Dectore				
tup + Restore	▼ Help ▼			
Backup	st			
Scheduler Manual Backup	Select All Clear All 💥 Delete Selected			
History Current Status	ords found			
скир ремсе и	Ist			
	Device Name	Device Type		Device Path
	voip-cucm	NETWORK	10.2 : /home/administrator/	



SFTP	$\sim$			
Host name:			Port number	
10.252.0.48			2	2 🔹
User name:		Password:		
administrator		•••••	••	
Save			Advanced	-

- 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



🗟 administrator – administrator@10.252.0.48 – WinSCP		—	
Address 🛅 /home/administrator			- 📁 - 🝸 -
🖛 🔹 🕶 🔁 📷 🏠 📄 Find Files 🚽 Download 👻 😈 Edit 👻 📴 🗙 🍡 Properties 🕶 🚄	*   F	iles Commands Mark	Tabs View Help
🔹 💶 🕈 🗿 Queue 🔹 🏪 Transfer Settings Default 🔹 🖌 🌮			
administrator@10.252.0.48 × 📑 New Tab			
Name	Size	Changed	Rights
		14-Jul-23 22:14:36	rwxrwxrwx
RG01		14-Jul-23 23:06:10	rwxrwxrwx
TRG02		14-Jul-23 23:38:19	rwxrwxrwx
TRG03		15-Jul-23 00:12:28	rwxrwxrwx
RG04		15-Jul-23 01:22:43	rwxrwxrwx
RG05		15-Jul-23 01:48:33	rwxrwxrwx
RG06		15-Jul-23 01:50:14	rwxrwxrwx
TRG07		15-Jul-23 01:50:05	rwxrwxrwx
- RG08		15-Jul-23 02:57:46	rwxrwxrwx
T RG09		15-Jul-23 03:59:07	rwxrwxrwx
💳 RG10		15-Jul-23 04:32:13	rwxrwxrwx
TRG11		15-Jul-23 05:06:39	rwxrwxrwx
TRG12		15-Jul-23 05:24:00	rwxrwxrwx
examples.desktop	9 KB	30-Oct-22 00:22:32	rw-rr
			_
0 B of 8.76 KB in 0 of 14	5 hidde	en SFTP-3	. 0:00:09

• แสดง Folder ที่ได้จัดเก็บ File Backup

โครงการค่าจัดหาระบบโทรศัพท์ (IP Telephony) เพื่อการสื่อสารแบบครบวงจรของกระทรวงมหาดไทย

SAMART	
COMTECH	

COPI – administrator@10.252.0.48 – WinSCP			o x
Address 🛅 /home/administrator/COPI			- 🗾 - 🕎 -
🛛 🖛 🖛 👻 🛅 🔽 👘 😋 🚊 Find Files 📑 Download 👻 📝 Edit 🔹 📑 🗙 📑 Properties 🔹 🏑	" 🛛 Fi	iles Commands Marl	k Tabs View Help
🔆 💶 🗸 🗃 Queue 🖌 🏪 Transfer Settings Default			
administrator@10.252.0.48 X			
Name	Size	Changed	Rights
	206 281 KB	14-Jul-23 22:02:53	rw-rw-r
2023-07-14-22-00-06_COPI-VOIP-CUCM01_drfComponent.xml	191 KB	14-Jul-23 22:14:36	rw-rw-r
2023-07-14-22-00-06 COPI-VOIP-CUCM01 processnode xml	3 KB	14-Jul-23 22:14:36	rw-rw-r
2023-07-14-22-00-06 COPI-VOIP-CUCM01 UCM ANN.tar	11 KB	14-Jul-23 22:04:43	rw-rw-r
2023-07-14-22-00-06 COPI-VOIP-CUCM01 UCM BAT.tar	10.661 KB	14-Jul-23 22:04:51	rw-rw-r
2023-07-14-22-00-06 COPI-VOIP-CUCM01 UCM CCMDB.tar	86.431 KB	14-Jul-23 22:04:34	rw-rw-r
2023-07-14-22-00-06_COPI-VOIP-CUCM01_UCM_CCMPREFS.tar	42,721 KB	14-Jul-23 22:04:01	rw-rw-r
2023-07-14-22-00-06_COPI-VOIP-CUCM01_UCM_CDPAGT.tar	21 KB	14-Jul-23 22:03:58	rw-rw-r
2023-07-14-22-00-06_COPI-VOIP-CUCM01_UCM_CLM.tar	11 KB	14-Jul-23 22:04:42	rw-rw-r
2023-07-14-22-00-06_COPI-VOIP-CUCM01_UCM_MOH.tar	18,721 KB	14-Jul-23 22:04:45	rw-rw-r
2023-07-14-22-00-06_COPI-VOIP-CUCM01_UCM_PLATFORM.tar	16,651 KB	14-Jul-23 22:04:41	rw-rw-r
2023-07-14-22-00-06_COPI-VOIP-CUCM01_UCM_REPORTER.tar	28,901 KB	14-Jul-23 22:04:48	rw-rw-r
2023-07-14-22-00-06_COPI-VOIP-CUCM01_UCM_SLM.tar	52 KB	14-Jul-23 22:05:05	rw-rw-r
2023-07-14-22-00-06_COPI-VOIP-CUCM01_UCM_SYSLOGAGT.tar	11 KB	14-Jul-23 22:04:35	rw-rw-r
2023-07-14-22-00-06_COPI-VOIP-CUCM01_UCM_TCT.tar	11 KB	14-Jul-23 22:04:37	rw-rw-r
2023-07-14-22-00-06_COPI-VOIP-CUCM02_UCM_ANN.tar	11 KB	14-Jul-23 22:07:14	rw-rw-r
2023-07-14-22-00-06_COPI-VOIP-CUCM02_UCM_CDPAGT.tar	21 KB	14-Jul-23 22:06:05	rw-rw-r
2023-07-14-22-00-06_COPI-VOIP-CUCM02_UCM_CEF.tar	31 KB	14-Jul-23 22:07:13	rw-rw-r
2023-07-14-22-00-06_COPI-VOIP-CUCM02_UCM_CLM.tar	11 KB	14-Jul-23 22:06:04	rw-rw-r
2023-07-14-22-00-06_COPI-VOIP-CUCM02_UCM_DNALIASLOOKUP.tar	21 KB	14-Jul-23 22:07:12	rw-rw-r
2023-07-14-22-00-06_COPI-VOIP-CUCM02_UCM_MOH.tar	18,121 KB	14-Jul-23 22:07:16	rw-rw-r
2023-07-14-22-00-06_COPI-VOIP-CUCM02_UCM_PLATFORM.tar	16,651 KB	14-Jul-23 22:06:03	rw-rw-r
2023-07-14-22-00-06_COPI-VOIP-CUCM02_UCM_REPORTER.tar	11 KB	14-Jul-23 22:07:11	rw-rw-r
P 2022 07 14 22 00 06 COREVOR CHEMOS HEM SYCLOCACT tor	11 VD	14 101 22 22:06:00	
0 B of 11.0 GB in 0 of 124		SFTP-3	0:00:33

• แสดง File Backup ที่อยู่ด้านใน Folder



🖺 administrator – administrator	@10	.252.0.48 – WinS	СР					-		×
Address 🚞 /home/administrato									- 🚰 -	<b>Y</b> -
🔶 🗕 🚽 🗾 🔁 🔁 🚺	i) Fi	nd Files 🛛 🛃 Do	ownload 👻 🗾	Edit	- 📄 🗙 📑 Properties - 🛃	* 🛙 F	iles Commands M	ark Tab	s View	Help
🔅 💷 - 💣 Queue - 🍾 1	rans	fer Settings Defa	ault		- 🧝 -					
administrator@10.252.0.48 ×		New Tab								
Name			^			Size	Changed		Rights	
COPI		2					14-Jul-23 22:14		rwxrw	krwx
C RG01	-	Open					14-Jul-23 23:06		rwxrw	krwx
C RG02	1	Edit	×.		-	-	14-Jul-23 23:38		rwxrw	krwx
C RG03		Download	Ctrl+T 🕨		Download		15-Jul-23 00:12		rwxrw	ĸrwx
C RG04	9	Duplicate		r?	Download in Background		15-Jul-23 01:22		rwxrw	ĸrwx
C RG05		Move To	Ctrl+Alt+M	-	Download and Delete Ctrl+M		15-Jul-23 01:48		rwxrw	ĸrwx
C RG06	×	Delete	Del				15-Jul-23 01:50		rwxrw	krwx
C RG07	1	Rename	F2				15-Jul-23 01:50		rwxrw	ĸrwx
C RG08	B.	Copy to Clipbo	ard Ctrl+C				15-Jul-23 02:57		rwxrw	ĸrwx
C RG09							15-Jul-23 03:59		rwxrw	ĸrwx
C RG10		File Custom Col	mmanos 🕨				15-Jul-23 04:32		rwxrw	ĸrwx
C RG11		File Names	•				15-Jul-23 05:06		rwxrw	ĸrwx
C RG12	Ż	Properties	Alt+Enter				15-Jul-23 05:24		rwxrw	krwx
examples.desktop						9 KB	29-Oct-22		rw-rı	r
0 B of 8.76 KB in 1 of 14						5 hi	idden <u>FTP</u>	6	0:00	:45

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

# Cisco Unified Communications Manager-Restore



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

cisco	Disaste	Frecovery System
Backup 👻	Restore - H	leip 2
Step1 Re:	Restore Wizard	ckup device
Next	History	
- Status -	Current Status	
Status	Ready	
Select Ba	ckup Device	3
Device Nan	ne*	rg6-voip-cucm 🗸
Next Can	cel	

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

cisco	Disaster Recovery System For Cisco Unified Communications Solutions
Backup 🝷	Restore - Help -
Step2 Res	store - Choose the Backup Tar File
Back	Next 🐼 Cancel
Select B	ackup Archive**
Select B	ackup File* 2022-12-24-23-16-19 v
Back	Cancel
* Indicate ** Only th	ates required items. e archives of the same version, having at least one feature with backup status SUC



ศูนย์เทคโนโลยีสารสนเทศและการสื่อสาร สป.มท. Information and Communication Technology Center.

SAMART

# Thanks and Regards.