Set Up RADKit in a Collaboration Environment

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Introduction

This document describes the steps to set up RADKit and shows the configuration necessary to start the use of it with Collaboration Products.

Requirements

Cisco recommends that you have knowledge on these topics:

- Basic knowledge of any VOS Collaboration product
- Basic knowledge of CLI/SSH Access

Components Used

The information in this document is based on these software and hardware versions:

• Cisco Unified Communications Manager 12.5 and 14.0

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure

that you understand the potential impact of any command.

Terminology

RADKit: It is a connector providing secure remote access to the user devices to Cisco TAC engineers and partners. It supports multiple protocols to interact with devices, such as SSH or HTTP/HTTPs.

RADKit Service: This is the **Server** side. It is handled and entirely managed by the **User**. From the Server side, user controls, who canaccess the devices and for how long. Radkit Service must have conectivity to the devices in the network to provide access to them.

RADKit Client: This is the Client side. It is the PC used to connect to the devices in the user network.

RADKit Architecture



RADKit Architecture

RADKit Installation

Step 1. Navigate to <u>https://radkit.cisco.com</u> and click **Downloads**, then go to the release folder.



Step 2. Click the latest release.

INDEX OF /DOWNLOADS/RELEASE/						
<u>/</u>						
<u>1.3.9/</u> <u>1.4.6/</u>	11-Jan-2023 13:11 10-Mar-2023 15:05	-				
<u>1.4.7/</u> <u>1.4.8/</u>	24-Mar-2023 13:00 11-Apr-2023 16:05	-				
<u>1.4.9/</u>	11-Apr-2023 16:05	-				

Step 3. Download the correct file depending on your OS system.

INDEX OF /DOWNLOADS/RELEASE/1.4.9/					
<u>(</u>					
docs/	04-Apr-2023 11:45	-			
<pre>cisco_radkit_1.4.9_doc_html.tgz</pre>	04-Apr-2023 11:43	8003863			
<pre>cisco_radkit_1.4.9_macos_arm64_signed.pkg</pre>	11-Apr-2023 10:41	74142354			
<pre>cisco_radkit_1.4.9_macos_x86_64_signed.pkg</pre>	11-Apr-2023 10:41	77265560			
<pre>cisco_radkit_1.4.9_pip_linux.tgz</pre>	04-Apr-2023 11:49	146189048			
<pre>cisco_radkit_1.4.9_pip_macos.tgz</pre>	04-Apr-2023 11:49	37257192			
<pre>cisco_radkit_1.4.9_pip_win.tgz</pre>	04-Apr-2023 11:49	35385652			
<pre>cisco_radkit_1.4.9_win64_signed.exe</pre>	04-Apr-2023 13:18	104692424			

Step 4. Run the installer on the PC or server. As part of the installation, Radkit needs to install three applications: Radkit Service, Radkit Client and Radkit network console.

RADKit Service (User side)

Onboarding

Step 1. To start configuring the RADKit service, navigate to Applications and locate **RADKit Service**. The first time you run it shows a message "not yet bootstrapped".

🔴 🕘 💿 🛛 🛛 RADKit S	ervice, 1.4.9	
Service status		
not yet b	ootstrapped	
Domain: PROD Service ID: No	ne 🗐	
Actions	Logs	
Configure RADKit	Logging level:	INFO 0
	Open logs dir	Show logs
		Exit

Step 2. Click **Configure RADKit**, the browser pops up automatically with URL <u>https://localhost:8081/bootstrap</u>.

- Create password for **superadmin** user and click **Submit**.
- This **superadmin** username and password is requested each time the service is started or configured.

cisco	Remote Automation Development RADKit Service
Register superad	min user
No superadmin user was found. Please fill in this form to create a superadmin acc	ount.
A superadmin user must be created. P password will be requested in the futur	lease enter a strong password for this user. This re to (re)start or manage RADKit Service.
Username *	PASSWORD REQUIREMENTS:
superadmin	- Minimum 1 lowercase letter
Password *	- Minimum 1 uppercase letter
	- Minimum 1 number
Repeat Password *	- Minimum 1 symbol
	 Minimum 8 characters
	Submit

Step 3. Once you click Submit, the browser redirects you to https://localhost:8081/#/connectivity/.

Under **Connectivity** > **Service Enrollment**, there are two authentications methods: **Single Sing-On** and **One-Time Password**.



Step 4. You can use Single Sign-On providing your CEC.



Step 5. Complete the wizard and complete the steps until it shows "Service enrolled with new identity: xxxx-xxxx", and when clicking on **Close** the service shows as **Connected**.





Note: A Cisco account is needed to activate RADKit Service.



Caution:

• If the Server where the RADKit Service is running requires a proxy to be defined, apart from defining the Proxy on the Server/PC itself, a environment variable also needs to be defined for the RADKit Service to work RADKIT_CLOUD_CLIENT_PROXY_URL=<u>http://proxy.example.com:80</u>.

Add devices

Step 1. Navigate to Devices and click Add Device.

← ·	→ C	$\hat{\Box}$	A Not S	Secure	https://lo	calhost:80	081/#/		٥	☆	θ	0	• •	(=)	9 F	* 0	ם) i
★ Bo	okmarks	data	Technical S	ervice	🔹 iCloue	d - Buscar m	ni 🚾 Cisc	co Internal	atta w	ww.cis	co.com/c	/ 🗎] Cisco	General	30	🛅 Oth	er Boo	kmarks
Ξ	Př.	Cis	iote Automati ico RAD	on Develop Kit Sen	vice		Domain:	PROD \$	Serial: k	331-0	evx-s94	4g 🖸	E	со	NNECTI	ED 同	٥	•
ç Connect	avity	+	Add Devi	ce y ~	✓	×	1 (
Device	es	Q S	Search															?
- 40		• A	Active 🚊	Device	Name	Hostr	name or IP A	Address	£.	Devi	ce Type	E.	In tray	• E.	Descri	ption	Acti	ons
Remot	te s						Δ	No Dev	vices Av	vailable	9							

Step 2. You need to configure the next details:

- Device Name
- Management IP address or Hostname
- Device Type

Additionally, you must configure **Forwarded TCP ports**, which are ports used by the device that need to be accessible from the RADKit Client. On this example, the ports used are 443 for GUI Access and 8443 for RTMT.

Finally, select the available Management Protocols, in this case Terminal and HTTP.

Add New Device		×
Device Name*(as it will appear in RADKit)?	Device Type*	
cesavilacucm	CUCM	•
Management IP Address or Hostname*?	Jumphost Name	
10.88.247.197	- Optional jump	host - 🗸
Forwarded TCP ports ?	Description	
443;8443		
Q Label search	?	RBAC status: ENABLED
Available Labels - 2 of 2 (click to add)	Selec	ted Labels - 0 (click to delete)
• active • SR697039480	(@	Create new (ONone added)
Active (remotely manageable)	Available Manage	ement Protocols: Netconf Swagger VHTTP SNMP

Step 3. For each Management Protocol configure the correct settings and click Add & Close.

Terminal	
SSH O Telnet	Allow connecting using obsolete/insecure SSH algorithms Use SSH Tunneling when using this device as a jumphost
Username	Password
admin	
	If left blank, will be set to "" as default -
Port	Enable Password ?
22	

Step 4. Once added, the device must be displayed in the device list, it can be enabled/disabled for remote access.

≡	Cisco RADKit Service	Domain: PROD Serial:	k331-0evx-s94g 🗋	E ² co	NNECTED 😚	۰.
(î:	+ Add Device 🛛 🖉	Î				
Connectivity	o \cdot Edit Tray ∨ + \cdot + \cdot →	·				
Devices	Q Search					?
业	Active 🚊 Device Name 🚊 Hostn	ame or IP Address 🚊	Device Type 🚊	In tray 📄	Description	Actions
Remote Users	cesavilaCUCM 10.88	247.197	UNKNOWN			2 💼
9 ⁰	Showing 1 to 1 of 1 entries. Selected: 0.		Page size 15	25 50 100	250 《 〈	<u>1</u> > >

Authorize remote users

Step 1. In order to grant user access to the Devices configured in the RADKit Service, go to **Remote Users** and select **Add Users**.

≡	Remote Automation Development Cisco RADKit Service	Domain: PROD	Serial: k331-0evx-s94g 📋	CONNEC	TED 🛜 🌣 🕶
Connectivity	+ Add User 🛛 🛇	Û		Q Searc	h ?
	🔲 Active 🚊 Remaining Time 🚊 🛛 U	lser Email 🚊	Full Name 🚊	Description	Actions
Devices			Jsers Available		
业	Showing 0 to 0 of 0 entries. Selected: 0.		Page size 15	25 50 100 250	« < <u>1</u> > »
Users					

Step 2. Configure the user details:

- Email address
- Full Name (optional)

- Activate the user.
- Specify if the Activation must be Manually controlled or set a time frame to grant access to that user.

User Email*	
cesavila@cisco.com	Activate this user
Full Name	USER ACCESS POLICY
Cesar Avila	Manual
Description	O Time slice (h/m):
	24 00

Step 3. Select Add & Close.

RADkit Client (TAC side)

>>> client = sso_login("cesavila@cisco.com")

Login

Step 1. On the Client PC, navigate to Applications and locate RADkit Client.

Step 2. Create a client instance with your SSO login.

<#root> >>> client = sso_login("cesavila@cisco.com") . . . cesavila — radkit-client — 117×32 Example usage: client = sso_login("<email_ac client = certificate_login(" client = access_token_login(" # Open new client and authenticate with SSO)) # OR authenticate with a certificate # OR authenticate with an SSO Access Token service = client.service("<serial>")
service = start_integrated_service() # Then connect to a RADKit Service
Immediately login to an integrated session client.grant_service_otp() # Enroll a new service

Step 3. Accept the SSO Authorization Request opened automatically on your browser.



Step 4. Create a service instance using the user generated Serial Number from the RADKit Service - Onboarding stage.



```
<#root>
```

```
>>>
```

```
service = client.service("k331-0evx-s94g")
```

>>> service =	clien	ť.:	service("k	33	1-0evx-s940	")		
05:16:36.349Z	INFO	I	internal	I	Connecting	to	forwarder	[uri='wss://prod.radkit-cloud.cisco.com/forwarder-2/websocke
t/']								
05:16:37.153Z	INFO		internal	L	Connection	to	forwarder	successful [uri='wss://prod.radkit-cloud.cisco.com/forwarder
-2/websocket/'	1							
05:16:39.523Z	INFO		internal	L	Connecting	to	forwarder	[uri='wss://prod.radkit-cloud.cisco.com/forwarder-3/websocke
t/']								
05:16:40.333Z	INFO		internal	I	Connection	to	forwarder	<pre>successful [uri='wss://prod.radkit-cloud.cisco.com/forwarder</pre>
-3/websocket/'	1							



Note: service is a variable that can be anything.

Step 5. Check the devices available for access.

<#root>

service.inventory

<pre>>>> service.inventory <radkit_client.sync.device.devicedict 0x10d7728e0="" at="" object=""></radkit_client.sync.device.devicedict></pre>								
name	host	device_type	Terminal	Netconf	Swagger	HTTP	description	failed
cesavilacucm	10.88.247.197	UNKNOWN	True	False	False	True		False

To refresh the inventory list, use the command update_inventory.

<#root>

>>> service.update_inventory().wait()

SSH Access

Step 1. Create an object from the inventory list.

<#root>

```
>>> cucm = service.inventory['cesavilacucm']
```

>>> service.inventory <radkit_client.sync.device.devicedict 0x10d7728e0="" at="" object=""> name host device_type Terminal Netconf Swagger HTTP description failed</radkit_client.sync.device.devicedict>								
cesavilacucm	10.88.247.197	UNKNOWN	True	False	False	True		False
cesavilacucm 10.88.247.197 UNKNOWN True False False True False Untouched inventory from service k331-0evx-s94g. >>> >>> cucm = service.inventory["cesavilacucm"]								

Step 2. Start the SSH session with the interactive command.

<#root> >>> cucm.interactive()







Caution:

- Always be mindful of our responsibility when operating in a user environment.
- RADKit must be used as a data collection tool.
- Never do any changes without the user permission.
- Document all your findings in the case notes.

GUI Access

• HTTP Proxy

Step 1. Ensure the HTTP Credentials are added in the RADKit Service on the device configuration.

Step 2. Start the HTTP Proxy on the Radkit Client and define the Local port used to connect to the Proxy.

<#root>

```
>>> http_proxy = client.start_http_proxy(4001)
```



Step 3. From the Web Browser, navigate to <u>https://localhost:4001</u> and select the Service you want to connect to.

\leftrightarrow \rightarrow C $\widehat{\mathbf{n}}$ O localhost:4001				
★ Bookmarks CX Technical Services 🔹 iCloud - Buscar mi.	de Cisco Internal de www.cisco.com/c/	🗅 Cisco General	D BUFF	Dedicated Instance
RADKit Client Proxy				
	Services			
	Choose any of the following services:			
	1. r7nz-6n40-x3su			
	2. ckt7-tv6c-uale			

Step 4. Click the option Go to Web Page on the correct device to connect to its Web Page.

Ŵ	localhost:4001/s	service/r7nz-6n40	-x3su							
CX Te	chnical Services 🧯 i	Cloud - Buscar mi	👬 Cisco Intern	al 🗰 www.cisco.com/c/	Cisco General	🗅 BUFF	Dedicated Instance	🗅 WxC Calling	🗅 Voice	
di adia cisco	RADKit Client P	roxy								
			Ser	vice ID	: r7 r	-Zר	6n40	-x3	su	
			Device name	TCP port forwards	S	upports HTT	P	Reset Sessio	on	
			expressway-c	443;8443	đ	Go to web p	bage	Reset)	
			expressway-e	443;8443	de	Go to web p	bage	Reset)	
			cucmhq	443;8443	ð	Go to web p	bage	Reset)	
			← Go back)						



Note: The first time HTTP Proxy is setup on a RADKit Client, it is recommended to click on the option Reset for each Devices before attempting to open the Device Web Page.

$\leftrightarrow \rightarrow C \widehat{\square} \textcircled{S Not Secure}$	https://expressway-e.r7nz-6n40-x3su.http.proxy/overview
★ Bookmarks CX Technical Services	🐞 iCloud - Buscar mi 🖞 Cisco Internal 🖞 www.cisco.com/c/ 🗅 Cisco General 🗅 BUFF
CISCO Cisco Expressway-E	
Status > System > Configuration >	Applications > Users > Maintenance >
Overview	
System mode	
Selected modes	Generic - Do you want to Run service setup?
System information	
System name	ехрму-е-03
Up time	23 days 4 hours 46 minutes 24 seconds
Software version	X12.7.1
IPv4 address	LAN 1: 192.168.15.8 LAN 2: 10.1.15.8
Options	51 Rich Media Sessions, 0 Room Systems, 0 Desktop Systems, 1800 TURN Relays, Traversal Server, Encryp
Resource usage (last updated: 18:16:03 CDT)	
Registered calls	Current video 0
	Current audio (SIP) 0
	Peak video 0
	Peak audio (SIP) 0

• Port Forwarding

Step 5. The Web Page is displayed.

Step 1. Verify the TCP Forwarded ports configured for the device.

<#root>

```
>>> cucm.forwarded_tcp_ports
```



Step 2. Configure a local port to be mapped with the destination port of the device, you must use the local port to access the device GUI.

<#root>

>>> cucm.forward_tcp_port(local_port=8443, destination_port=443)

In a n							
>>>							
>>> cucm.forward_	>>> cucm.forward_tcp_port(12443,443)						
[RUNNING] <radkit< td=""><td>client.sync.port_forwarding.TCPPortForwarder object at 0x10ceb3d60></td><td></td></radkit<>	client.sync.port_forwarding.TCPPortForwarder object at 0x10ceb3d60>						
status	RUNNING						
serial	None						
device_name	cesavilacucm						
local_port	12443						
destination_port	443						
#active	0						
#failed	8						
#closed	0						
#total	8						
bytes up	0						
bytes down	0						
exception	None						

Step 3. Open your browser and type the URL with the port configured in Step 2: <u>https://localhost:8443</u>.

The GUI of the device is now accessible.

< -> C 🎧 📀	Not Secure https://localhost:8443		
\star Bookmarks 🛛 CX Technic	al Services 🗯 iCloud - Buscar mi 🎎 Cisco	Internal 🎎 www.cisco.com/c/ 🗅 Cisco Gene	ral
	cisco		
	Installed Applications		
	 Cisco Unified Communications Manager Cisco Unified Communications Self Care Cisco Prime License Manager Cisco Unified Reporting Cisco Unified Serviceability 	ər re Portal	
	Platform Applications		
	 Disaster Recovery System Cisco Unified Communications OS Adm 	ninistration	



Note: To access the GUI of the product you still need the credentials to be able to login, therefore it is recommended for user to create a Read-Only User Account for access.

Log Collection

• RTMT

Step 1. Verify that port 8443 is listed in the TCP Forwarded ports configured for the device.

<#root>

>>> cucm.forwarded_tcp_ports



Step 2. Configure the same port 8443 as local port to be mapped with port 8443 as the destination port of the device.

<#root>

>>> cucm.forward_tcp_port(local_port=8443, destination_port=8443)

<pre>>>> cucm.forward_tc</pre>	p_port(8443,8443)
[RUNNING] <radkit c<="" td=""><td>lient.sync.port forwarding.TCPPortForwarder object at 0x1077defa0></td></radkit>	lient.sync.port forwarding.TCPPortForwarder object at 0x1077defa0>
status R	UNNING
serial N	lone
device_name c	resavilacucm
local_port 8	443
destination_port 8	443
#active 0	
#failed 0	
#closed 0	
#total 0	
bytes up 0	
bytes down 0	
exception N	lone

Step 3. Open RTMT and type 127.0.0.1 in the Host IP Address, it automatically uses port 8443.

Real-Time Monitoring Tool Login	x
Host IP Address: 127.0.0.1	
Ok Cancel Certificates	

Step 4. Login with the correct credentials.







Step 6. Go to AnalysisManager on the left panel.



Step 7. Click **Nodes** and **Add** to configure the details of the device to be added using localhost and the forwarded TCP Port.

File System Voice/Video Anal	Cisco Unified Real Time Mo	onitoring Tool (C	Currently Log	ged into: localhost) Help	
Real Time Monitoring Too	For Cisco Unified Communications Solu	rtions			
System	Nodes Notes				X Turne
Voice/Video	Nam	e		Noc	етуре
AnalysisManager					
Inventory Nodes					
Call Record Repositories					
Trace File Repositories					
Tools					
- Collect Traces Now					
Schedule Trace Collection Schedule Trace Settings					
- Set Trace Levels					
- 🛃 View Configuration					
Administration					
Job Status					
- 🍑 Upload Files	Add	dit Delete	Discour	r Test Connectivity	Refresh
IM and Presence	Nud	un perete	DISCOVE	Test connectivity	Marcan
System Summary Nodes					A

• • •	Add Node
Node Type*	CUCM Voice/Video 🗸
IP/Host Name*	127.0.0.1
Transport Protocol*	HTTPS 🔻
Port Number*	8443
User Name*	admin
Password*	•••••
Confirm Password*	•••••
Description	
Associated Call Record Repositories	-
Associated Trace File Repositories	-
Associated Group	AllNodes
Advanced	
* Required Fields	
i i i i i i i i i i i i i i i i i i i	
s	ave Cancel

Step 8. Click Analysis Manager on the menu at the top and select Preferences.

• • •	Cisco Unified Real Time Monitoring Tool (Currently Logged into: localhost)					
<u>F</u> ile <u>System</u> <u>V</u> oice/	Video	<u>A</u> nalysisManager	IM and Presence Edit	Window Application Help		
Real Time Moni	itoring	Inventory	ed Communications Solutions			
System		Administration >	aces Now_21:53:27			
-,		Preferences	nary:			

Step 9. Go to **Trace Collection** and select the Correct folder to download the logs, Click **Save** and then **Close**.

• • •	Preference	IS	
Preferences FTP Server Mail Server Trace Collection	Download Directory /Users Default Save	/cesavila/Downloads	Browse
	Close	łelp	

Step 10. Go to Collect Traces now.

● ● ● File System Voice/Video Ana	Cisco Unified Real Time Monitoring Tool (Currently Logged into: localhost)
Real Time Monitoring To	O For Cisco Unified Communications Solutions
System 4 Voice/Video	Collect Traces Now_21:53:15
Inventory Nodes Call Record Repositories Trace File Repositories	Status Details:
Trace Templates Tools Analyze Call Path Collect Traces Now Schedule Trace Collection Schedule Trace Settings and Collection	
Administration Job Status Job Status Job Status Job Status Job Status Job Status	
IM and Presence	Abort
System Summary Nodes	

Step 11. Select the option **Node**, select the device that was added on Step 7 and click **Customize**.

• •	0	Col	lect Traces No	w		
Cho	oose a Node o Group	r Group to perform	n query on:			
	Na	me	Node Type		Des	cription
L	127.0.0.1	CU	CM Voice/Video			
Use	Template	None		Cust	omize	
Star	. Time		▼.			
End	l Time	04-27-2023 21	:53:27 💌			
Tim	e Zone	(GMT-6:0)Cent	tral Dayl 🔻			
Vi	iew Summary	ок	Cancel		Help	

Step 12. Select the logs to be collected from the device and click OK.

Nodes	Components	
127.0.0.1	Component	Collect
	Cisco AMC Service DeviceL	
	Cisco AMC Service PPRLog	
	Cisco AMC Service ServerLog	
	Cisco AMC Service Service	
	Cisco Audio Translator App	
	Cisco Audit Event Service	
	Cisco Audit Logs	
	Cisco AXL Web Service	
	Cisco Bulk Provisioning Ser	
	Cisco Called Party Tracing	
	Cisco CallManager	
	Cisco CallManager Cisco I	
	Cisco CallManager SNMP S	
	Cisco CAR Scheduler	
	Cisco CAR Web Service	
	Cisco CCMAdmin Web Ser	

Step 13. Finally select Start Time and End Time of the logs to be collected and click OK.

• • •	Collect Traces Now	,
Choose a Node or	Group to perform query on:	
⊖ Group	Node	
Nar	ne Node Type	Description
127.0.0.1	CUCM Voice/Video	
Use Template	None 🔻 🕻	Customize
Start Time	04-27-2023 21:00:00 -	
End Time	04-27-2023 21:53:27 💌	
Time Zone		
	(GMT-6:0)Central Dayl 🔻	
View Summary	OK Cancel	Help

Step 14. Files are downloaded to the local PC (RADKit Client PC) successfully.

• • •	Cisco Unified Real Time Monitoring Tool (Currently Logged into: localhost)
<u>File System Voice/Video Ana</u>	ysisManager IM and Presence <u>E</u> dit <u>W</u> indow Appl <u>i</u> cation He <u>l</u> p
Real Time Monitoring Too	For Cisco Unified Communications Solutions
System	Collect Traces Now_21:53:27
Voice/Video	Status Summary:
AnalysisManager	Collecting traces from 1 nodes. Download location is '/Users/cesavila/Downloads/2023-04-27_21-59-30/'.
Inventory – 🍻 Nodes – 💑 Node Groups	127.0.0.1: 3 files (796.97 Kbytes) downloaded. Collection completed: 3 files (796.97 Kbytes) downloaded successfully from 1 nodes.
Call Record Repositories	Status Details:
	Thu Apr 27 21:59:34 CDT 2023 127.0.0.1: getting list of files to download. Thu Apr 27 21:59:40 CDT 2023 127.0.0.1: getting list of files successful.
Analyze Call Path Collect Traces Now Schedule Trace Collection	3 files (796.97 Kbytes) will be downloaded. Thu Apr 27 21:59:40 CDT 2023 Downloading 'SDL001_100_000110.txt.gz' from '127.0.0.1' to '/Users/cesavila/Downloads/2023-04-27_21-59-30/127.0.0.1/cm/trace/ccm/sdl'. Thu Apr 27 21:59:42 CDT 2023 Download of 'SDL001 100 000110.txt.gz' from '127.0.0.1' succeeded.
Schedule Trace Settings and Collection Set Trace Levels	Thu Apr 27 21:59:42 CDT 2023 Downloading 'SDL001_100_000111.txt.gz' from '127.0.0.1' to '/Users/cesavila/Downloads/2023-04-27_21-59-30/127.0.0.1/cm/trace/ccm/sdl". Thu Apr 27 21:59:44 CDT 2023 Download of 'SDL001_100_000111.txt.gz' from '127.0.0.1' succeeded. Thu Apr 27 21:59:44 CDT 2023 Download of 'SDL001_100_000111.txt.gz' from '127.0.0.1' succeeded.
Administration	'/Users/cesavila/Downloads/2023-04-27_21-59-30/127.0.0.1/cm/trace/ccm/sdl". Thu Apr 27 21:59:46 CDT 2023 Download of 'SDL001_100_000112.txt.gzo' from '127.0.0.1' succeeded.
Job Status	
	Abort
IM and Presence	
System Summary Nodes	

• SOAP API

SOAP API is currently supported for CUCM. Additionally, Swagger is supported for CMS, Expressway, CVP, and so on.

Step 1. Ensure the HTTP Credentials are added in the RADKit Service on the device configuration.

Step 2. Run the HTTP Post command on the RADKit Client, specify the resource path, request body with the necessary parameters and headers.





Note: The postprocessors option **'cucm-extract'** is used to remove the HTTP Response headers to be able to save the log to a file.

tpResponse(device_name='cucmsiteb', method='POST', url='/logcollectionservice2/services/LogCollectionPortTypeService', status_code=200)
cesavila@cisco.com
ckt7-tv6c-uale
cucmsiteb
POST
/logcollectionservice2/services/LogCollectionPortTypeService
200 OK
b'\x1f\x8b\x08\x08\x00\x00\x00\x00\x04\x03\xd4X[\x8f\xdaF\x14-G\xe2?\x9c\xb&%\x95\x81\xc1\x170N\xa9\xca\x1aH\xac,\xe0\xae\xcd\xf6\xa6\x1a\xdb\x03 xc9n\xb5?\xbeg\xcc%\xf6n\xd8\x90\xaaUU\xb4f\x99\xe3\xb9 s\xae\xdf\x0cQ\xd4'

Step 3. Save the content to a file to get the Trace File saved in the local PC.

<#root>

```
>>> content = r.content
>>> with open('SDL002_100_000819.txt.gz', 'wb') as file:
```

RADKit Use Cases

As it has been highlighted, RADKit provides a secure connection to the network devices including Collaboration servers without the need of being on a webex. The idea is to simplify some of the challenges around data collection by providing on demand access to the required devices.

Talking specifically about Collaboration deployments, RADKit currently can be very useful for a variety of issues such as:

- DB Replication issues.
- Certificate regeneration procedures.
- System Health check.
- Configuration validation in GUI / CLI.
- Log Collection through Web Interface (E.g. CER, Expressway, CIMC, etc).
- Debug logs via CLI on Voice Gateways.

Related Information

- RADKit Main page https://radkit.cisco.com/
- External RADKit support page https://community.cisco.com/t5/radkit-discussions/bd-p/disc-radkit