在CUCM上配置自助調配功能(基於IVR)

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簡介

本文檔介紹如何在CUCM(基於IVR)上配置自助調配功能。

必要條件

需求

思科建議您瞭解以下主題:

- 思科整合通訊管理員。
- 網際網路通訊協定語音(VoIP)
- •電話註冊流程。

採用元件

本檔案中的資訊是根據思科整合通訊管理員10.5

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除(預設))的組態來啟動。如果您的網路正在作用,請確保您已瞭解任何指令可能造成的影響。

什麼是自我調配?

自助調配是10.x版思科統一通訊管理器(CUCM)中引入的一項功能。 它提供**即插即用**型功能簡化了 電話部署過程。使用**自動註冊**、某些模板和配置檔案配置以及IVR服務,CUCM管理員能夠以最少 的前期配置部署電話。

自助調配(基於IVR)的功能類似於舊的自動註冊電話工具(TAPS)方法。自助調配的關鍵區別在於

IVR服務在CUCM上運行,因此您不需要UCCX,如同使用TAPS一樣。

設定

1.建立通用裝置模板(UDT)。

步驟1.導航至 使用者管理>使用者電話新增>通用裝置模板 並新增新模板。

cisco	Cisco Unified CM Administration For Cisco Unified Communications Solutions									
System 💌	Call Routing • Media Resources • Advanced Features • Device • Application •	Us	ser Management 🔻	Bulk Administr	ation	·▼ Help ▼				
			Application User							
			End User							
Cisc	o Unified CM Administration		User/Phone Add		•	Page Layout Preference				
System version: 10.5.2.13901-2			SIP Realm			Universal Device Template				
			User Settings			Universal Line Template				
VMware	VMware Installation: 2 vCPU Intel(R) Xeon(R) Platinum 8176 CPU @ 2.10GHz,		Self-Provisioning			Feature Group Template				
WARNI			Assign Presence	Users		Quick User/Phone Add				
Last Su	ccessful Backup: 513 day(s) ago						-			
cis	Cisco Unified CM Administrations	ti	on							
Add N ^{em}		ure	es 🔻 Devid	xe ▼ App	olic	ation User Managemen	t Bulk Administration	•	Help 🔻	
Find a	nd List Universal Device Templates									
	dd New 🔛 Select All 🔛 Clear All 💥 Delete Selec	cte	d							

步驟2.將電話在自動註冊後採用的配置應用到新的UDT。

System Call Routing	Media Resources 👻 Advanced Features 👻 Device 👻 Application 👻 User Management 👻 Bulk Administration 👻 Help 👻
Universal Device Templa	te Configuration
🔚 Save X Delete Expa	and All 🛟 Add New
 Template Information 	
Name * Auto-registration	n Template
 Required and Frequently En 	tered Settings
Device Description	#FirstName# #LastName# (#Pro
Device Pool *	Default view Details
Device Security Profile *	Universal Device Template - Moc +
SIP Profile *	Standard SIP Profile
Phone Button Template *	Universal Device Template Butto -

2.建立通用行模板(ULT)。

步驟1。導覽至User Management > User/Phone Add > User Line Template,如下圖所示。

alada	Cisco Ui	nified CM Ad	ministration									
cisco	For Cisco Un	ified Communication	ns Solutions									
System Call Routing Media Resources Advanced Features Device Application U							User Management Bulk Administration Help					
							Application User					
							End User					
Cisc	o Unifie	d CM Adm	inistration				User/Phone Add	•		Page Layout Preference		
							SIP Realm			Universal Device Template		
System version: 10.5.2.13901-2							User Settings	•		Universal Line Template		
VMware	Installation:	2 vCPU Intel(R)	Xeon(R) Platinum	8176 CPU	@ 2.10GHz,		Self-Provisioning			Feature Group Template	1	

步驟2.新增自動註冊後電話上預期的路由分割槽和CSS。

Sys	tem 👻 Call Routing 👻 Media Resour	rces - Advanced Features -	Device	 Applicat 	tion 👻	User Management 👻	Bulk Administration	 Help 	•
Uni	versal Line Template Configura	tion							
	🕽 Save 💢 Delete 🛛 Expand A	II 🕂 Add New							
	 Template Information 								
	Name * Sample Line Temp	late with TA Urgent Pri	ority						
	 Required and Frequentl 	y Entered Settings							
	Line Description:	#FirstName# #LastNam	e# (#	1					
	Route Partition:	PT-Intra	-						
	Voice Mail Profile:		-						
	Calling Search Space:	CSS-Inter	-						
	Alerting Name:	#FirstName# #LastNam	e#	/					
	External Call Control Profile:		*						

附註:這些通用裝置模板和通用線路模板應與自動註冊連結,以便電話可以在自動註冊時進行 配置。

3.將模板新增到CUCM節點以進行**自動註冊**配置,然後導航到**System > Cisco Unified CM**,如下圖 所示。

cisco	For Cisco Un	nified C	M Ad	ministration	n				
System -	Call Routing -	Media Reso	urces 🔻	Advanced Features	 Device 	 Application • 	User Management 🔻	Bulk Administration 👻	Help 🔻
Serve	r								
Cisco	Unified CM								
Cisco	Unified CM Group		٥dm	inistratio					

System - Call Routing - N	lediaResources 🔻	Advanced Features 🔻	Device 🔻	Application 🔻	User Management 🔻	Bulk Administration 🔻	Help 🔻
Cisco Unified CM Configur	ation						
🔜 Save 🎦 Reset 🥖	Apply Config						
_ Status							
i Status: Ready							
⊂ Cisco Unified Communicat	tions Manager Inf	ormation					
Cisco Unified Communication	ns Manager: CM_UC	CM-PUB10 (used by 74	devices)				
Server Information							
CTI ID		1					
Cisco Unified Communication	ns Manager Server*	10.106.114.151					
Cisco Unified Communication	ns Manager Name*	CM_UCM-PUB10					
Description		10.106.114.151					
Location Bandwidth Manager	r Group	< None >			0		
Auto-registration Informa	tion						
Universal Device Template*	Auto-registration	Template		0			
Universal Line Template*	Sample Line Tem	plate with TAG usage	examples	0			
Starting Directory Number*	1000						

4.新增用於自置**置備的**新使用者配置檔案。

步驟1。導覽至User Management > User Settings > User Profile,如下圖所示。

Cisco Unified CM Administration For Cisco Unified Communications Solutions									
System Call Routing Media Resources Advanced Features Device Application	Us	er Management 👻 Bulk	lk Administratio	ion 👻 Help 👻					
		Application User							
	End User								
Cisco Unified CM Administration		User/Phone Add	,						
		SIP Realm							
System version: 10.5.2.13901-2		User Settings			Credential Policy Default				
VMware Installation: 2 vCPU Intel(R) Xeon(R) Platinum 8176 CPU @ 2.10GHz,	Self-Provisioning			1	Credential Policy				
WARNING: DNS unreachable		Assign Presence Users			Role				
Last Successful Backup: 514 day(s) ago	_				Access Control Group				
					Application User CAPF Profile				
Iser administrator last logged in to this cluster on Friday, February 15, 2019 8:57:30 PM CST, to	noc	de 10.106.114.151, from	om 10.142.18	3	End User CAPF Profile				
apyright © 1999 - 2015 Cisco Systems, Inc.					UC Service				
Il rights reserved.					Service Profile				
his product contains cryptographic features and is subject to United States and local country laws go isers are responsible for compliance with U.S. and local country laws. By using this product you agree	to o	ing import, export, trans comply with applicable la	nsfer and use. laws and regu		User Profile	oes not imply third-party authority S. and local laws, return this proc			

步驟2.新增使用者裝置模板、使用者線路模板並選中Allow End User to Provision Their Own Phone**復**選框。

System Call Routing Media Resources Advanced Features Device Application User Management	nt ▼ Bulk Administration ▼ Help ▼
User Profile Configuration	
🔚 Sava 🗶 Dalete 🕂 Add New	
⊂ Status	
i Status: Ready	
User Profile	
Name* selforo	
Description	
Make this the default User Profile for the system	
-Universal Device Template	
Desk Phones Auto-registration Template 📀 View Details	
Mobile and Desktop Devices Auto-registration Template 📀 View Details	
Remote Destination/Device Profiles Auto-registration Template	
-Universal Line Template	
Universal Line Template Sample Line Template with TAG usage examples 🛛 😌 <u>View Details</u>	
- Fold-Browinian in a	
Sen-Provisioning	
Allow End User to Provision their own phones	
Limit Provisioning once and User has this many phones 10	

附註:當使用者嘗試使用自己的副檔名自行調配裝置時,應用這些設定。

附註:您還可以為使用者設定最大裝置數限制,超過此限制後,自助調配對使用者將不起作用 。 例如:如果使用者已分配9台裝置,因為上述螢幕截圖中的最大限制設定為10,則使用者只能 自行調配一台裝置。

附註:如果「允許終端使用者調配自己的電話」覈取方塊未選中。自助調配不適用於使用者。

5.建立**功能模板組**並分配**使用者配置檔案**。現在,請導航到**「使用者管理」>「使用者/電話新增」 >「功能組模板」**,然後按一下**新建**。

cisco p	Cisco Unified CM Ad For Cisco Unified Communication	ministration								
System 👻 Ca	all Routing - Media Resources -	Advanced Features 👻	Device 👻	Application 👻	Use	er Management 👻	Bulk Administr	ation	✓ Help ✓	
						Application User				
						End User		- [
Cisco	Unified CM Adm	inistration				User/Phone Add		•	Page Layout Preference	
						SIP Realm			Universal Device Template	
System ve	rsion: 10.5.2.13901-2					User Settings		•	Universal Line Template	
VMware In WARNING	nstallation: 2 vCPU Intel(R)	Xeon(R) Platinum	8176 CPU 🌘	2.10GHz,		Self-Provisioning			Feature Group Template	
						Assign Presence	Users		Quick User/Phone Add	
Last Succe	essful Backup: 514 day(s) aç	jo								

System - Call	Routing -	Media Resources 🔻	A	dvanced Features	•	Device 🔻	Application -
Feature Group	o Templat	e Configuration					
릚 Save 🗶 I	Delete 🕂	Add New					
Feature Group Name * se Description	Template lf_fg						
Features	ar.						
Enable User Include mee	for Unified (ting informa	CM IM and Presence (ation in Presence(Requ	Cor	figure IM and Pr S Exchange Prese	esen ence	ce in the as Gateway to	sociated UC Servic be configured on
Services Profile	Use Syste	m Default	*	View Details			
User Profile	selfpro		*	View Details			
 Allow Control Enable Exter Enable Mobil Enable Mobil Maximum Wait 	I of Device f Ision Mobilit lity le Voice Acc Time for De	from CTI cy Cross Cluster ess sk Pickup * 10000					
6.從「快速使用者	行電 話新增 .	」頁建立用 戶,並新:	増り	〕 能組模板 。			

步驟1。導覽至User management > User Phone Add > Quick User/Phone Add。

cisco	Cisco Unified CM Administration For Cisco Unified Communications Solutions							
System 👻	Call Routing - Media Resources - Advanced Features - Device - Applica	ation 👻	Use	er Management 👻 Bulk	k Administration	•	Help 👻	
				Application User				
				End User				
Cisc	o Unified CM Administration			User/Phone Add	×		Page Layout Preference	
Custom	version: 10 E 2 12001-2			SIP Realm			Universal Device Template	
System	version: 10.3.2.13901-2			User Settings	•		Universal Line Template	
VMware	Installation: 2 vCPU Intel(R) Xeon(R) Platinum 8176 CPU @ 2.1	OGHz,		Self-Provisioning			Feature Group Template	
				Assign Presence Users			Quick User/Phone Add	
I wet Cur	coecful Radium E14 day(c) and							<u> </u>

步驟2.在訪問控制組成員身份下新增標準CCM終端使用者。

System Call Routing	r Media Resources 👻 Advanced Features 👻 Device 👻 Application 👻 User Management 👻 Bulk Administration 👻 Help 👻	
Quick User/Phone Ac	d	
🔚 Save		
User Information		
First Name	akash	
Middle Name		
Last Name *	sethi	
User ID *	aksethi	
Feature Group Template	self_fg view Details	
Access Control Group	Membership	
User is a member of:		
Access Control	Traun Mamharshin	
Access Control		
User is a member	Standard CCM End Users	

步驟3.將擴展欄位中的擴展新增到User,按一下Action下的+ Icon以啟用該欄位。

Access Control Group	1embership			
User is a member of:	itandard CCM End Users	▼ <u>1</u> =		
Credentials				
Use default credential Password				
Confirm Password				
PIN				
Confirm PIN				
Extensions				
Order Extension		Line Primary URI/Partition		Acti
	* New		1	÷

步驟4.如果要建立新擴展,請按一下**New**和Add a New DN,如影象選項1中所示。如果CUCM上已 存在該擴展並將將其分配給「使用者」,則從影象選項2中所示的下拉選單中選擇該擴展。

Access Control Group	1embership		
User is a member of:	tandard CCM End Users	• + -	
Credentials			
Use default credential Password			
Confirm Password			
PIN			
Confirm PIN			
Extensions			
Order Extension	2 1	Line Primary URI/Partition	Action
	▼ New		• -

附註:使用者建立後,預設情況下將主線路作為自助使用者ID。

7.驗證終端使用者是否已收到**主要擴展、自助使用者ID、使用者配置檔案和標準CCM終端使用者角** 色。現在導航到**使用者管理>終端使用者**,然後訪問新建立的使用者,如下圖所示。

CISCO Unified CM Admi	nistration olutions	
System - Call Routing - Media Resources - Adv	anced Features - Device - Application -	User Management - Bulk Administration - Help -
		Application User
		End User
Cieco Unified CM Admin	istration	Llasz/Dhone Add
System Call Routing Media Resources	Advanced Features - Device - Applicatio	n 👻 User Management 👻 Bulk Administration 👻 Help 👻
End User Configuration		
Save 🗙 Delete 🕂 Add New		
11 ¥E		
- User Information		
User Status	Enabled Local User	
User ID*	aksethi	
Password	•••••	etit Credential
Confirm Password	•••••	
Self-Service User ID	1004	
PIN	••••••	Edit Credential
Confirm PIN	•••••	••••
Last name*	sethi	
Middle name		
First name	akash	
Title		

System Call Routing Media Resources A	dvanced Features Device Application	✓ User Management ✓ Bulk Administration ✓ Help ✓			
End User Configuration					
🔚 Save 🗶 Delete 🕂 Add New					
User Locale	< None >	0			
Associated PC					
Digest Credentials	•••••••				
Confirm Digest Credentials	•••••				
User Profile	selfpro	View Details			
Name Dialing	sethiakash				
Number of Digits needed for the Unique AA Name	2				
System Call Routing Advan End User Configuration	ced Features 🔹 Device 👻 Application 👻 U	ser Management 👻 Bulk Administration 👻 Help 👻			
🔚 Save 🗶 Delete 🕂 Add New					
Allow Control of Device from CTI					
Enable Extension Mobility Cross Cluster					
- Directory Number Associations					
Primary Extension 1004	0				
IPCC Extension < None >					
View Details					
Standard CCM End Users		Add to Access Control Group			
		Remove from Access Control Group			
	View Details				

8.要建立CTI路由點,請導航到Device > CTI Route Point,然後按一下Add New,如下圖所示。

cisco	Cisco Unified CM Administration For Cisco Unified Communications Solutions					
System +	Call Routing Media Resources Advanced Features	Device -	Application +	User Management 👻	Bulk Administration 🔻	Help 🔻
		CTI R	oute Point			

步驟1。新增名稱和裝置池專案,然後按一下**Save**,如下圖所示。

CTI Route Point Configuration		
Save		
- Status		
i Status: Ready		
Device Information		
Device is trusted		
Device Name*	Self_Pro	
Description	Self_Pro	
Device Pool*	Default	\$ View Details
Common Device Configuration	< None >	\$ View Details
Calling Search Space	< None >	\$
Location*	Hub_None	\$
User Locale	< None >	\$
Media Resource Group List	< None >	\$
Network Hold MOH Audio Source	< None >	\$
User Hold MOH Audio Source	< None >	\$
Use Trusted Relay Point*	Default	\$
Calling Party Transformation CSS	< None >	\$
Geolocation	< None >	\$
✓ Use Device Pool Calling Party T	ransformation CSS	

Save

步驟2.將目錄號碼新增到CTI路由點,

Device Information		
Registration:	Unknown	
IPv4 Address:	None	
V Device is trusted		
Device Name*	Self_Pro]
Description	Self_Pro	
Device Pool*	Default	View Details
Common Device Configuration	< None >	View Details
Calling Search Space	< None >	
Location *	Hub_None	0
User Locale	< None >	
Media Resource Group List	< None >	o
Network Hold MOH Audio Source	< None >	o
User Hold MOH Audio Source	< None >	o
Use Trusted Relay Point*	Default	o
Calling Party Transformation CSS	< None >	3
Geolocation	< None >	o
Use Device Pool Calling Party	Transformation CSS	
Association		
Line [1] - Add a new DN		

CTI Route Point Configuration					
Save 🗶 Delete 📋 Copy	r 🎦 Reset 🛛 🖉 Apply Config 🕂 Add New				
- Status					
1 Status: Ready					
Device Information					
Registration:	Unknown				
IPv4 Address:	None				
Device is trusted					
Device Name*	Self_Pro				
Description	Self_Pro				
Device Pool*	Default	View Details			
Common Device Configuration	< None >	🗘 View Details			
Calling Search Space	< None >	•			
Location*	Hub_None	٥			
User Locale	< None >	٥			
Media Resource Group List	< None >	۵			
Network Hold MOH Audio Source	< None >				
User Hold MOH Audio Source	< None >	۵			
Use Trusted Relay Point*	Default	۲			
Calling Party Transformation CSS	< None >	©			
Geolocation	< None >	٥			
Use Device Pool Calling Party Transformation CSS					
Acception					
Association					

The [1] - 1111111 (no partition)

9.要新增新應用程式使用者,請導覽至使用者管理>應用程式使用者,然後按一下新增新使用者。

cisco	Cisco Unified CM Administration For Cisco Unified Communications Solutions						
System 👻	Call Routing 🔻	Media Resources 👻	Advanced Features 👻	Device -	Application -	User Management 👻	Bulk Administration 👻
CTI Route	Point Config	uration				Application User	
						Fod Lleer	_

步驟1.在Controlled Devices下新增建立的CTI路由點

Application User Configuration				
🔚 Save 🗶 Delete [Copy 🕂 Add New			
Status				
i Status: Ready				
-Application User Informa	ation			
User ID *	selfpro	Edit Credential		
Password				
Confirm Password				
Digest Credentials				
Confirm Digest Credentials				
BLF Presence Group Standard Presence group				
Accept Presence Subscr	iption			
Accept Out-of-dialog RE	FER			
Accept Unsolicited Notificities	ication			
C Accept Replaces Header				
Device Information				
Available Devices	Sample Device Template with TAG usage examp Selftprocti TEST UPCNIPC VINNU	Device Association Find more Route Points		
Controlled Double	**			
Controlled Devices	Self_Pro			
				

步驟2.在「Permission Information(許可權資訊)」部分新增**Standard CTI Enabled**和**Standard CTI Allow Control of All Devices**。

System * Call Routing * Media Resources * Advanced Features * Device * Application * User Management * Bulk Administration * Help * Application User Configuration State Ctl_6871 recordin testform Ctl_6871 recordin testform Find more Route Points Ctl_6871 recordin testform	
Application User Configuration	Related U Find and List Access Control Groups Find and List Access Control Groups https://10.106.114.151/comedmin/userGroupFindList.do?whereClause-pkid n col List Access Control Groups
Application User Configuration Assistic Devices di, 6871 recordin tettest recordin tettest testformel triger	Related L Find and List Access Control Groups Find and List Access Control Groups Thtps://10.106.114.151/comadmin/userGroupFindList.do?whereClause-plid m add List Access Control Groups
Available Devices cl.,6671 recordin tactest testSymmetric treger	Find and List Access Control Groups Https://10.106.114.151/ccmadmin/userGroupFindList.do?whereClause-pkid n
Available Devices ct, 6671 recordin tactest testSurreni trigger	https://10.106.114.151/ccmadmin/userGroupFindList.do?whereClause-pkid n
Available Devices ct. 6371 recordin tactest testShrreni triger	 The party for two is the comparison of party of our prime is a considered with the second seco
Lactest Device Association Find to the former Route Points Find to the Points	and i lat Access Posteri Course
tiger III i	and List success control enouge
	Salect All III Crear All Indected III Crean
**	anna 🖂 an a 🖓 an anna 🕞 ann
Controlled Devices cti_6872	Standard CCM Phone Administration
	Standard CCM Read Only
	Standard CCM Server Maintenance
Available Profiles sinto	Standard CCM Server Monitoring
0	Standard CCM Super Users
	Standard CTI Allow Call Monitoring
	Standard CTI Allow Call Park Monitoring
· · · · · · · · · · · · · · · · · · ·	Standard CTI Allow Call Recording
Li Londrolle Device Pronies	Standard CTI Allow Calling Number Modification
× –	Standard CTI Allow Control of All Devices
	Standard CTI Allow Control of Phones supporting Connected Xfer and conf
CAPP Information O	Standard CTI Allow Control of Phones supporting Rollover Mode
Associated CAPF Profiles	Standard CTI Allow Reception of SRTP Key Material
	Standard CTI Enabled
	Standard CTI Secure Connection
View Details	Standard Confidential Access Level Users
Reselucional Teleconolica	Standard EM Authentication Proxy Rights
	Standard Packet Sniffer Users
Add to Access Central Group	Standard RealtimeAndTraceCollection
	Standard TabSync User
View Details	Third Party Application Users
Ades	rect All Clear All Add Selected Close
Ver Ortals	

10.可以在系統級別將自助調配服務設定為使用安全模式,並且可以設定密碼。預設情況下,此功能 設定為**Non-Authentication Required** Mode, Not Required any PIN to Use Self Provisioning。

步驟1.導覽至User Management > Self-Provisioning。

Self-Provisioning
Save
_ Status
Status: Ready
CAuthentication Mode
Require Authentication In this mode, users may use their password or PIN to authenticate and provision devices based on the permissions in their User Profile. Additionally, administrators may authenticate on behal Allow authentication for users only(via Password/PIN) Allow authentication for users(via Password/PIN) and Administrators(via Authentication Code) Authentication Code
No Authentication Required
In this mode, authentication is disabled during device self-provisioning. The administrator or end user can enter a user ID or self-provisioning ID into an endpoint and the endpoint will associ

步驟2.將CTI路由點和應用程序用戶添加到Self-Provisioning。

Self-Provisioning			
Save			
- Status			
i Status: Ready	,		
-Authentication M	ode		
Require Auther	ntication		
In this mode,	users may use their password or PIN to authenticate	e and p	rovision device
Allow at	uthentication for users only(via Password/PIN)		
O Allow a	uthentication for users(via Password/PIN) and Admin	istrato	rs(via Authentie
Authe	entication Code		
No Authentica	tion Required		
In this mode,	authentication is disabled during device self-provision	ning. 1	The administrat
- IVR Settings			
Language Preferen	ce		
	Available Language		Selected La
	简体中文,普通话,简体字,中华人民共和国		English, Ur
CTI Route Point	Self_Pro	O Di	al 1111111 from
Application User	selforo	0	

附註:每次對IVR設定進行配置更改時,都需要重新啟動自助調配IVR設定以觸發更改。

與自助調配關聯的服務

Cisco Call Manager

此服務與電話註冊關聯,必須在嘗試註冊的節點上啟用。

自助調配IVR

可以在Cisco Unified Serviceability的功能服務頁面上的CM服務下找到此服務。

附註:即使服務已停用,您也可以配置自助調配,但管理員無法向使用IVR服務的使用者分配 IP電話。預設情況下,此服務處於停用狀態。

附註:自助調配IVR服務僅在Publisher上運行。

電話上的終端使用者體驗

- 終端使用者撥打CTI路由點並提示輸入自助服務ID。
- •系統會要求使用者確認自助服務ID並輸入PIN。
- 驗證PIN後,裝置將重新引導以獲取新的副檔名。

疑難排解

錯誤:收到警報「裝置無法調配」。

原因:裝置已設定,無法重新設定。

要收集的日誌

為了進一步排除故障,請從RTMT收集「自助調配IVR服務」日誌。

檔名的格式為PnP#####.log。 (#表示數字。)

預設情況下,「跟蹤」(Traces)設定為「資訊級別」(Info Level)。

預設情況下,最大檔案大小為1 MB。儲存檔案的最大數量預設為10。

附註:在「跟蹤配置」視窗中更改「最大檔案數」或「最大檔案大小」設定時,系統會刪除除 當前檔案(即如果服務運行)之外的所有服務日誌檔案。 如果服務尚未啟用,則在啟用服務後,系統會立即刪除檔案。

已知瑕疵

CSCun16461

相關資訊

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