在Call Manager和Active Directory之間進行 LDAP整合的自定義組織單位

目錄

簡介

本文檔介紹當您擁有主OU時為特殊用戶建立新的自定義組織單元(OU)的過程。

必要條件

需求

思科建議您瞭解Active Directory(AD)伺服器。

採用元件

本檔案中的資訊是根據Cisco Unified Call Manager(CUCM)版本10.5.2.13900-12。

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。

設定

AD伺服器上的配置

步驟1.建立新的OU。

按一下右鍵主OU並選擇新建>組織單元。



步驟2.檢查新建立的OU。(在本例中,新建立的OU是「Clsco_TAC」。)



步驟3.在新OU中新增使用者。

按一下右鍵新OU並選擇「新建」>「使用者」。



步驟4.建立一個將彌補AD伺服器和CUCM之間差距的使用者。

按一下右鍵Users,然後選擇New > User。

📴 Active Directory Users and Computers											
File Action View Help	File Action View Help										
← ⇒ 2 m 4 1 × 0 0 ≥ 2 m 3 2 × 7 2 2											
📃 Active Directory Users and Comput	Name		Туре	Description							
Active Directory Users and Comput Saved Queries ramebala.com Saved Queries Builtin Soco_ICM Computers Computers Computers SocourtyPrincipals Sachin User Cisc Delegate Control Find New All Tasks	Name Administrator Administrator Allowed RODC Password R Cert Publishers Cert Publishers Denied RODC Password R DonsAdmins DonsUpdateProxy Domain Admins Domain Computers Domain Guests Computer Contact	teplica	Type User Security Group - Domain Local User Security Group - Domain Local Security Group - Domain Local Security Group - Domain Local Security Group - Global Security Group - Global	Description Built-in account for admini Members in this group can Members of this group can Members in this group can DNS Administrators Group DNS clients who are permi Designated administrators All workstations and serve All domain controllers in th All domain guests All domain users Designated administrators							
View Refresh Export List Properties Help	Group InetOrgPerson msImaging-PSPs MSMQ Queue Alias Printer User Shared Folder	ain Co ers Iers	Security Group - Universal Security Group - Global User Security Group - Domain Local Security Group - Global Security Group - Universal	Members of this group are Members in this group can Built-in account for guest Servers in this group can Members of this group are Designated administrators							
Create a new object	•)							
Jaroace a new objection			J	J							

即會建立新使用者。此使用者必須是域管理員**的成員。**

ccm admin Properties			? ×
Dial-in Environment Remote Desktop Services Profile General Address Account Profile	Sessions Personal Virtual Telephones O	Remote Desktop rganization	e control COM+ Member Of
User logon name: cadmin User logon name (pre- <u>W</u> indows 2000): RAMEBALA\ Log On <u>T</u> o	@ramebala.com cadmin		
User must change password at r User cannot change password Password never expires Store password using reversible	next logon encryption		•
Account expires Ne <u>v</u> er <u>E</u> nd of: Saturday , A	ugust 06, 2016		
ОК С	Cancel	pply	Help

步驟5.按一下右鍵User > Properties。

在「屬性」對話方塊中,選擇**「成員」**頁籤。

在「成員**」選項**卡上,按一下**新增**。

ccm admin Properties			? ×
Dial-in Envir Remote Desktop Servic General Address Acco	onment es Profile punt Profile 1	Sessions Personal Virtual D elephones Org	Remote control)esktop COM+ ganization Member Of
Member of:	-tive Disectory D		
Domain Admins ra	mebala.com/Usi	omain Services H ers	older
A <u>d</u> d <u>R</u> er Primary group: Dom	nove ain Admins		
<u>S</u> et Primary Group	There is no new you have Maci applications.	ed to change Prir ntosh clients or F	nary group unless 'OSIX-compliant
OK	. Can	cel <u>Ap</u>	ply Help

步驟6.對於「要選擇的對象名稱」,輸入「domain admin」並按一下**Check Names。**

Select Groups	?	×
Select this object type:		
Groups or Built-in security principals	<u>O</u> bject Types	
Erom this location:		
ramebala.com	Locations	
Enter the object names to select (examples):		
domain admin	<u>C</u> heck Names	1
		-
<u>A</u> dvanced	OK Cancel	

步驟7.選擇Domain Admins,然後按一下Set Primary Group;然後刪除域使用者。

ccmadmin cucm Properties 🔹 🔹 🔀
Dial-in Environment Sessions Remote control Remote Desktop Services Profile Personal Virtual Desktop COM+ General Address Account Profile Telephones Organization Member Of
Member of:
Name Active Directory Domain Services Folder
Domain Admins Tramebala.com/Users Domain Users ramebala.com/Users
A <u>d</u> d <u>R</u> emove
Primary group: Domain Admins <u>Set Primary Group</u> Unless Under Admins U
OK Cancel <u>Apply</u> Help

步驟8.按一下右鍵新OU(本例中為Cisco_TAC),然後選擇**Properties。**



步驟9.在「屬性」對話方塊中,選擇Managed By選項卡,然後按一下Change。

Cisco_TAC Properties		? X
General Managed By	/ COM+	
Name:		
	Change Properties Clear	
Office:		
Street:		4
		T
City:	,	
State/province:		
Country/region:		
		- 11
Telephone number:		
Fax number:		
	OK Cancel A	oply

步驟10.輸入要選擇的對象名稱(在步驟4中為橋接AD伺服器和CUCM而建立的使用者名稱),然後 按一下**Check Names。**

Select User, Contact, or Group	? ×
Select this object type:	
User, Group, or Built-in security principal	Object Types
From this location:	
ramebala.com	Locations
Enter the object name to select (<u>examples</u>):	
<u>ccmadmin cucm (ccmadmin@ramebala.com)</u>	Check Names
Advanced	OK Cancel

CUCM上的配置

步驟11.轉到System > LDAP > LDAP System。

Server		M Administration		Navigation Cisco Unified 0	CM Administration 🔻 🧧
Cisco Unified CM		unications Solutions		ccmadmin Search Documenta	ition About Logo
Cisco Unified CM Group		irces · Advanced Features · Device	✓ Application ✓ User Management ✓ Bulk Administration ✓ Help ✓		
Presence Redundancy Groups					
Phone NTP Reference					
Date/Time Group		en 47 day(s) without a s	uccessful backup. Please verify backup configuration.		
BLF Presence Group					
Region Information	•	Administration			
Device Pool					
Device Mobility	•	12			
DHCP	•	tel(R) Xeon(R) CPU X7560 @ 2.	27GHz, disk 1: 110Gbytes, 4096Mbytes RAM, Partitions aligned		
LDAP	•	LDAP System			
SAML Single Sign-On		LDAP Directory			
Cross-Origin Resource Sharing		LDAP Authentication			
(CORS)		LDAP Custom Filter	8 AM UTC, to node 10.106.99.195, from 10.196.120.81 using HTTPS		

步驟12.選中標籤為Enable Synchronizing from LDAP Server的覈取方塊。

System Call Routing Media Resources Advanced Features Device	Application Viser Management Bulk Administration Help
LDAP System Configuration	
⊂ Status	
Please Delete All LDAP Directories Before Making Changes on This Page	
Please Disable LDAP Authentication Before Making Changes on This Page	
LDAP System Information	
✓ Enable Synchronizing from LDAP Server	
LDAP Server Type Microsoft Active Directory	•
LDAP Attribute for User ID sAMAccountName	v
*- indicates required item.	

步驟13.轉到System > LDAP > LDAP Directory。

Server	M Administration			Navigation Ci	sco Unified CM Administration 🔻
Cisco Unified CM	unications Solutions			ccmadmin Search	Documentation About Lo
Cisco Unified CM Group	Irces - Advanced Features - Device	e Application User Management	 Bulk Administration Help Help 		
Presence Redundancy Groups					
Phone NTP Reference					
Date/Time Group	ar All 🕂 Delete Selected				
BLF Presence Group					
Region Information					
Device Pool					
Device Mobility					
DHCP					Rows per Page 50
LDAP	LDAP System	ih 🔻 Find	Clear Filter 💠 😑		
SAML Single Sign-On	LDAP Directory	LDAP Distinguished Name	LDAP User Search Base	1	LDAP Server Hosts(s)
Cross-Origin Resource Sharing	LDAP Authentication	amebala.com	OU=sachin,DC=ramebala,DC=com		10.106.122.160
(CORS)	LDAP Custom Filter				

步驟14.按一下「Add new」。

ł	System Call Ro	outing 🔻	Media Reso	ources 🔻	Advanced Features <	Device 🔻	Application -	User Management	•	Bulk Administration 	Help 🔻	
I	LDAP Directory											
	Save											
ļ	Status											
	i Status: Read	dy										
_	-LDAP Directory	Inform	ation ——									
	LDAP Configuration	on Name	e*	TAC_LDA	٨P							
	LDAP Manager Di	stinguis	hed Name *	cadmin@	ramebala.com							
	LDAP Password*			•••••	••							
	Confirm Password	d*		•••••	••							
	LDAP User Search	h Base*		OU=Cisc	o_TAC,DC=ramebala,I	DC=com						
	I DAP Custom Filt	er		< None	>							

附註:

LDAP配置名稱:此值是LDAP配置的任意名稱。 LDAP管理器可分辨名稱:該值應該是AD和CUCM網橋使用者的使用者名稱。 LDAP密碼:此值是在步驟4中建立的網橋使用者的密碼。 LDAP使用者搜尋庫:要查詢此值,請在AD伺服器上執行以下步驟: A)按一下右鍵OU並選擇Properties。

Active Directory Users and Computers											
File Action View Help											
Active Directory Users and Comput Active Directory Users and Comput Saved Queries Framebala.com Builtin Cisco_ICM Cisco_ICM Cisco_ICM Cisco_ICM Cisco_ICM Cisco_ICM Cisco_ICM Comput Cut	me Type There are no items to show in this view.	Description									
Opens the properties dialog box for the current selection.											

B)在「屬性」對話方塊中,選擇「**屬性編輯器**」頁籤,然後查詢「distinguishedName」值。

Cisco_TAC Properties ? 🗙				
G	eneral Managed By O	Ibject Security COM+ Attribute Editor		
	Attributes:			
	Attribute	Value		
	с	<not set=""></not>		
	cn	<not set=""></not>		
	со	<not set=""></not>		
	countryCode	<not set=""></not>		
	defaultGroup	<not set=""></not>		
	description	<not set=""></not>		
	desktopProfile	<not set=""></not>		
	destinationIndicator	<not set=""></not>		
	displayName	<not set=""></not>		
	disnlauNamePrintable	(not set)		
	distinguishedName	OU=Cisco_TAC,DC=ramebala,DC=com		
	domoignatoro	- motool		
	dSCorePropagationD	7/7/2016 2:12:25 AM Pacific Daylight Time;		
	extensionName	<not set=""></not>		
	↓			
	View	Filter		
	ОК	Cancel Apply Help		

步驟15.在此處保留LDAP服務器IP地址和埠。

LDAP Server Information		
Host Name or IP Address for Server*	LDAP Port*	Use TLS
10.106.122.160	389	
Add Another Redundant LDAP Server		
Save		

步驟16.按一下**「Save**」。

步驟17.按一下「Perform Full Sync Now」。



驗證

若要驗證CUCM上的使用者,請導航至**User Management > End User**。

疑難排解

目前尚無適用於此組態的具體疑難排解資訊。