Call Manager与Active Directory之间LDAP集成的 自定义组织单元

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简介

本文档介绍在您有主OU时为特殊用户创建新的自定义组织单位(OU)的过程。

先决条件

要求

思科建议您了解Active Directory(AD)服务器。

使用的组件

本文档中的信息基于Cisco Unified Call Manager(CUCM)版本10.5.2.13900-12。

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原 始(默认)配置。如果您使用的是真实网络,请确保您已经了解所有命令的潜在影响。

配置

AD服务器上的配置

步骤1.创建新OU。

右键单击主OU,然后选择"新建">"组织单位"。



步骤2.检查新创建的OU。(在本例中,新创建的OU是"Clsco_TAC"。)



步骤3.在新OU中添加用户。

右键单击新OU并选择"新建">"用户"。



步骤4.创建一个用户,该用户将弥补AD服务器与CUCM之间的差距。

右键单击"**用户"**,然后选择"新建">"用户"。

🗧 Active Directory Users and Computers						
File Action View Help						
♦ 2	a 🗈 🛛 📷 🕺 🗞 😭 🐨 🗾 🎘					
Active Directory Users and Comput	Vame	Туре	Description			
Heating Directory Osers and Computers Saved Queries Builtin Cisco_ICM Computers Domain Controllers ForeignSecurityPrincipals Managed Service Accounts Sachin Cisc Delegate Control Find New All Tasks View Refresh Export List Properties Help	Administrator Administrator Allowed RODC Password Replica ccm admin Cert Publishers Denied RODC Password Replica DnsAdmins DnsUpdateProxy Domain Admins Domain Computers Domain Computers Domain Controllers Domain Guests Computer Contact Group InetOrgPerson msImaging-PSPs MSMQ Queue Alias Printer User Shared Folder	User User User Security Group - Domain Local User Security Group - Domain Local Security Group - Domain Local Security Group - Domain Local Security Group - Global Security Group - Universal Security Group - Universal Security Group - Global User Security Group - Domain Local Security Group - Domain Local Security Group - Universal	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 guests All domain users Designated administrators Members of this group are Built-in account for guest Servers in this group can Members of this group are Members of this group are			
)			
Create a new object						

即会创建新用户。此用户必须是域管理员**的成员。**

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					
Account options:						
 Account expires ● Never <u>End of:</u> Saturday , August 06, 2016 						
ОК С	Cancel	pply	Help			

步骤5.右键单击"用户"**>"属性"。**

在"属性"对话框中,选择"**成员"**选项卡。

在"成员**"选项**卡上,单**击添加**。

ccm admin Properties			? ×				
Dial-in Envi Remote Desktop Servio General Address Acc	ronment ces Profile ount Profile	Sessions Personal Virtual Telephones O	Remote control				
Member of:	otius Director	u Domain Sorricas	Folder				
Domain Admins r	amebala.com/	y Domain Services Users					
A <u>d</u> d <u>R</u> e Primary group: Don	move nain Admins						
Set Primary Group There is no need to change Primary group unless you have Macintosh clients or POSIX-compliant applications.							
01	< C	Cancel 🖉	pply Help				

步骤6.对于"要选择的对象名称",输入"domain admin"并单击"**Check Names"。**

	<u> ?</u> ×
	Object Types
	Locations
	<u>C</u> heck Names
OK	Cancel
	OK

步骤7.选择Domain Admins,然后单击Set Primary Group;然后删除域用户。

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 ramebala.com/Users Domain Users ramebala.com/Users					
Add <u>R</u> emove					
Primary group: Domain Admins <u>Set Primary Group</u> Unless Understand Admins Understand Admins Understand Admins Understand Admins Understand Admins Understand Admins Domain					
OK Cancel <u>Apply</u> Help					

步骤8.右键单击新OU(本例中为Cisco_TAC),然后选择"属**性"。**



步骤9.在"属性"对话框中,选择"管理者"选项卡并单击更改。

Cisco_TAC Properties		? X
General Managed By	/ СОМ+	
Name:		-
	Change Properties Clear	
Office:		
Street:		
City:)	
State/province:		
Country/region:		
Telephone number:		
Fax number:		
	OK Cancel Ap	ply

步骤10.输入要选择的对象名称(在步骤4中为桥接AD服务器和CUCM而创建的用户名),然后单击 "检查名**称"。**

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

步骤11.转到System > LDAP > LDAP System。

Server		M Administration			Na	avigation Cisco Unified	CM Adn	ninistratio	on 🔻 G
Cisco Unified CM	u	nications Solutions			ccmadmin	Search Document	ation	About	Logo
Cisco Unified CM Group		rces · Advanced Features · Device	✓ Application ✓ User Management ✓ F	Bulk Administration 👻 Help 👻					
Presence Redundancy Groups	1								
Phone NTP Reference	Ľ								
Date/Time Group	ļ	en 47 day(s) without a si	uccessful backup. Please ver	rify backup configuration.					
BLF Presence Group			-					-	
Region Information	•	Administration						A & A	
Device Pool								24	7
Device Mobility	• 1	2							朝上
DHCP	۰ i	tel(R) Xeon(R) CPU X7560 @ 2.	27GHz, disk 1: 110Gbytes, 4096Mb	ytes RAM, Partitions aligned					
LDAP		LDAP System					<u>H</u>		-
SAML Single Sign-On		LDAP Directory						7	and the local division in which the
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					
Location Info	• 4	nc	1						

步骤12.选中标记为"从LDAP服务器启用同步"的复选框。

System Call Routing Media Resources Advanced Features Device	Application Vuer 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	▼
() *_ indicates required item	

步骤13.转到System > LDAP > LDAP Directory。

Server	M Administration			Navigation Cis	:o Unified CM Administration 🔻
Cisco Unified CM	unications Solutions			ccmadmin Search D	ocumentation About Lo
Cisco Unified CM Group	Irces - Advanced Features - Device	e Application User Management	Bulk Administration Help		
Presence Redundancy Groups					
Phone NTP Reference					
Date/Time Group	ear All 🕂 Delete Selected				
BLF Presence Group					
Region Information	•				
Device Pool					
Device Mobility	•				
DHCP					Rows per Page 50
LDAP	LDAP System	h ▼ Find	Clear Filter 🕂 👄		
SAML Single Sign-On	LDAP Directory	LDAP Distinguished Name	LDAP User Search Base	2	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				

步骤14.单击Add new。

System Call Routing Media Res	sources Advanced Features	Device 🔻	Application <	User Management <	Bulk Administration <	Help 🔻		
LDAP Directory								
Save								
Status								
i Status: Ready								
-LDAP Directory Information								
LDAP Configuration Name*	TAC_LDAP							
LDAP Manager Distinguished Name	* cadmin@ramebala.com							
LDAP Password*	•••••							
Confirm Password *	•••••							
LDAP User Search Base*	OU=Cisco_TAC,DC=ramebala,I	DC=com						
LDAP Custom Filter	< None >							

注意:

LDAP配置名称:此值是LDAP配置的任何名称。 LDAP管理器可分辨名称:此值应为AD和CUCM网桥用户的用户名。 LDAP密码:此值是在步骤4中创建的网桥用户的密码。 LDAP用户搜索库:要查找此值,请在AD服务器上执行以下步骤: A)右键单击OU并选择"属性"。

🗧 Active Directory Users and Computers				
File Action View Hel	p			
🗢 🔿 📶 🤞 🗎 💥 🗒 🍳 🗟 😰 🗊 % % 🖆 🍸 💆 %				
Image: Solution of the second sec	Ind Comput Name Type There are no items to ate Control sks	Description		
Prope Help	rties			
Opens the properties dialog box for the current selection.				

B)在"属性"对话框中,选择"属**性编辑器**"选项卡,并找到"distinguishedName"值。

Cisco_TAC Properties ? 🗙					
General Managed Bull Object 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>			
	displauNamePrintable	(not set)			
	distinguishedName	OU=Cisco_TAC,DC=ramebala,DC=com			
	Comorgination	- motooli			
	dSCorePropagationD	7/7/2016 2:12:25 AM Pacific Daylight Time;			
	extensionName	<not set=""></not>			
	· · <u>· · </u> · · · · ·				
	View	Filter			
		Cancel Apply Help			
		Carlos Spply Help			

步骤15.在此保留LDAP服务器IP地址和端口。

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	

步骤16.单击"保**存"**。

步骤17.单击"**立即执行完全同步**"。



验证

要验证CUCM上的用户,请导航至"用户管理"**>"最终用户"**。

故障排除

目前没有针对此配置的故障排除信息。