# Unidade organizacional personalizada para integração LDAP entre Call Manager e Ative Diretory

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### Introduction

Este documento descreve o procedimento para criar uma nova unidade organizacional (OU) personalizada para usuários especiais quando você tem uma OU principal.

### Prerequisites

### Requirements

A Cisco recomenda que você tenha conhecimento do servidor do Ative Diretory (AD).

#### **Componentes Utilizados**

As informações neste documento são baseadas no Cisco Unified Call Manager (CUCM) versão 10.5.2.13900-12.

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, make sure that you understand the potential impact of any command.

### Configurar

#### Configuração no servidor AD

Etapa 1. Crie uma nova OU.

Clique com o botão direito do mouse na OU principal e escolha New > Organizational Unit.



Etapa 2. Verifique a OU recém-criada. (Neste exemplo, a OU recém-criada é "CIsco\_TAC".)



Etapa 3. Adicione usuários na nova OU.

Clique com o botão direito do mouse na nova OU e escolha Novo > Usuário.



Etapa 4. Crie um usuário que faça a ponte entre o servidor AD e o CUCM.

Clique com o botão direito do mouse em Usuários e escolha Novo > Usuário.

📴 Active Directory Users and Computers						
File Action View Help						
← ⇒ 2 📅 ¼ 🗎 🗙 🗒 Q 😖 🛛 🖬 % 🗞 🖆 🍸 🧕 🍇						
Active Directory Users and Comput	Vame	Туре	Description			
<ul> <li>Saved Queries</li> <li>ramebala.com</li> <li>Builtin</li> <li>Cisco_ICM</li> <li>Computers</li> <li>Computers</li> <li>ForeignSecurityPrincipals</li> <li>Managed Service Accounts</li> <li>sachin</li> <li>User</li> <li>Cisc</li> <li>Delegate Control</li> <li>Find</li> <li>New</li> <li>All Tasks</li> <li>View</li> <li>Refresh</li> <li>Export List</li> <li>Properties</li> <li>Help</li> </ul>	Administrator Allowed RODC Password Replica Cert Publishers Denied RODC Password Replica DisAdmins DisUpdateProxy Domain Admins Domain Computers Domain Computers Domain Guests Computer Contact Group InetOrgPerson msImaging-PSPs MSMQ Queue Alias Printer User Shared Folder	User User Security Group - Domain Local User Security Group - Domain Local ti 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 - Universal Security Group - Domain Local Security Group - Universal	Built-in account for admini Members in 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 Members of this group are Built-in account for guest Servers in this group can Members of this group are Designated administrators			
Create a new object	·		<b>[ ]</b>			

O novo usuário é criado. Este usuário deve ser um membro do admin de domínio.

Dial-in Environment Sessions Remote contro						
Remote Desktop Services Profile Personal Virtual Desktop COM	1+					
General Address Account Profile Telephones Organization Membe	er Of 📋					
<u>U</u> ser logon name:						
cadmin @ramebala.com						
User logon name (pre- <u>W</u> indows 2000):						
RAMEBALA\ cadmin						
Log On To						
Unlock account						
<ul> <li>□ User must change password at next logon</li> <li>□ User cannot change password</li> <li>□ Password never expires</li> <li>□ Store password using reversible encryption</li> </ul>						
Account expires						
C End of: Saturday , August 06, 2016						
OK Cancel Apply Help	 >					

Etapa 5. Clique com o botão direito do mouse em User > Properties.

Na caixa de diálogo Propriedades, selecione a guia Membro de.

Na guia Membro de, clique em Adicionar.

ccm admin Properties				? ×			
Dial-in Env Remote Desktop Servi General Address Acc	ironment ices Profile count   Profile	Sessions Personal Virtua Telephones 0	Remote contro Desktop COM Irganization Memb	vl+ vl+ erOf			
Member of:			Faldas				
Domain Admins	dmins ramebala.com/Users						
Add Re	emove						
Primary group: Do	main Admins						
<u>S</u> et Primary Group	J There is no you have N application	) need to change P facintosh clients or s.	rimary group unless POSIX-compliant				
	ĸ	Cancel 🖉	pply Help	2			

Etapa 6. Para "nomes de objeto a selecionar", introduza "admin de domínio" e clique em Verificar nomes.

Select Groups		? ×
<u>S</u> elect 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 ( <u>examples</u> ):		
domain admin		<u>C</u> heck Names
		_
<u>A</u> dvanced	OK	Cancel

Passo 7. Selecione **Domain Admins** e clique em **Set Primary Group;** em seguida, remova **Usuários de domínio**.

ccmadmin cucm Properties ? 🔀
Dial-inEnvironmentSessionsRemote controlRemote Desktop Services ProfilePersonal Virtual DesktopCOM+GeneralAddressAccountProfileTelephonesOrganization
Member of:
Name Active Directory Domain Services Folder
Domain Admins ramebala.com/Users
A <u>d</u> d
Primary group: Domain Admins
Set Primary Group There is no need to change Primary group unless you have Macintosh clients or POSIX-compliant applications.
OK Cancel <u>Apply</u> Help

Etapa 8. Clique com o botão direito do mouse na nova OU (Cisco\_TAC neste exemplo) e escolha **Propriedades.** 



Etapa 9. Na caixa de diálogo Propriedades, selecione a guia Gerenciado por e clique em Alterar.

Cisco_TAC Properties		? X
General Managed By	COM+	1
Name:		
	Change Properties Clea	ir
Office:		
Street:		4
City:		
State/province:		
Country/region:		
Telephone number:		
Fax number:		
	OK Cancel 4	2pply

Etapa 10. Insira o nome do objeto a ser selecionado (o nome de usuário criado para ligar o servidor AD e o CUCM na etapa 4) e clique em **Verificar nomes.** 

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

### Configuração no CUCM

Etapa 11. Vá para System > LDAP > LDAP System.

Server		M Administration		Na	vigation Cisco Unified CM	Administration	- G
Cisco Unified CM	u	inications Solutions		ccmadmin	Search Documentation	n About I	Logo
Cisco Unified CM Group		rces · Advanced Features · Device	✓ Application ✓ User Management ✓ Bulk Administration ✓ Help ✓				
Presence Redundancy Groups	1						
Phone NTP Reference	1						
Date/Time Group	þ	en 47 day(s) without a si	ccessful backup. Please verify backup configuration.				
BLF Presence Group							
Device Pool							7
Device Mobility	۰I	12					朝日
DHCP	۰,	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				

Etapa 12. Marque a caixa de seleção Enable Synchronizing from LDAP Server (Habilitar sincronização do servidor LDAP).

System      Call Routing	Media Resources 🔻	Advanced Features 🔻	Device  Application	<ul> <li>User Management </li> </ul>	Bulk Administration 🔻	Help 🔻
LDAP System Configura	tion					
– Status						
Please Delete All LDA	P Directories Before	Making Changes on Th	is Page			
Please Disable LDAP	Authentication Before	Making Changes on 1	This Page			
Theuse Disuble LOAP /	durientication before	Having changes on h	nis ruge			
LDAP System Informatio	on					
Enable Synchronizing f	C Enable Synchronizing from LDAP Server					
LDAP Server Type	Microsoft Active Di	rectory	-			
LDAP Attribute for User ID	sAMAccountName		•			
(i) *- indicates required	item.					

#### Etapa 13. Vá para Sistema > LDAP > Diretório LDAP.

Server	M Administration			Navigation Cisco U	Inified CM Administration 🔻
Cisco Unified CM	unications Solutions			ccmadmin   Search Docu	Imentation About Lo
Cisco Unified CM Group	Irces - Advanced Features - Device	e ▼ Application ▼ User Management	<ul> <li>Bulk Administration          <ul> <li>Help</li> <li>Help</li> </ul> </li> </ul>		
Presence Redundancy Groups					
Phone NTP Reference					
Date/Time Group	ear All				
BLF Presence Group					
Region Information	.				
Device Pool					
Device Mobility					
DHCP					Rows per Page 50
LDAP I	LDAP System	th 🔻 Find	Clear Filter 💠 😑		
SAML Single Sign-On	LDAP Directory	LDAP Distinguished Name	LDAP User Search Base	3	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				

Etapa 14. Clique em Adicionar novo.

System      Call Routing      Media Reso	ources  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 >		-			

Note:

**Nome da configuração LDAP**: Esse valor é qualquer nome de uma configuração LDAP. **Nome distinto do gerenciador LDAP**: Esse valor deve ser o nome de usuário do usuário da ponte AD e CUCM.

Senha LDAP: Esse valor é a senha do usuário da bridge criada na etapa 4.

**Base de pesquisa de usuário LDAP**: Para localizar este valor, siga este procedimento no servidor AD:

A) Clique com o botão direito do mouse na OU e selecione Propriedades.

🗧 Active Directory Users and Computers
File Action View Help
(= -> 2 📅 4 📋 🗶 🖻 2 🕞 🛛 🖘 % 🗞 🖆 🍸 🗵 🗞
Active Directory Users and Comput Name Type Description
Active Directory Users and Comput       Name       Type       Description         Saved Queries       There are no items to show in this view.       There are no items to show in this view.         Image: Source of the second secon
Properties Help

B) Na caixa de diálogo Propriedades, selecione a guia **Editor de atributos** e localize o valor "DistinguentName".

Cisc	:o_TAC Properties	? :	×
Ġ	eneral [ Managed Bu [ 0		
L L L			Ц
	Attributes:		
	Attribute	Value 🔺	
	c	<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	
	uomoignataro	choiceoid	
	dSCorePropagationD	7/7/2016 2:12:25 AM Pacific Daylight Time;	
	extensionName	<not set=""></not>	
	▲		
	View	Filter	
	ОК	Cancel Apply Help	
			-

Etapa 15. Aqui, mantenha o endereço IP e a porta do servidor LDAP.

Host Name or IP Address for Server <sup>*</sup> LDAP Port <sup>*</sup> Us	se TLS
10.106.122.160 389	
Add Another Redundant I DAP Server	

Etapa 16. Click Save.

Etapa 17. Clique em Executar sincronização completa agora.



# Verificar

Para verificar o usuário no CUCM, navegue para User Management > End User.

# Troubleshoot

Atualmente, não existem informações disponíveis específicas sobre Troubleshooting para esta configuração.