Unidad organizativa personalizada para la integración LDAP entre Call Manager y Active Directory

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Introducción

Este documento describe el procedimiento para crear una nueva Unidad organizativa (OU) personalizada para usuarios especiales cuando tiene un OU primario.

Prerequisites

Requirements

Cisco recomienda que tenga conocimiento del servidor de Active Directory (AD).

Componentes Utilizados

La información de este documento se basa en la versión 10.5.2.13900-12 de Cisco Unified Call Manager (CUCM).

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

Configuración en el servidor AD

Paso 1. Cree un nuevo OU.

Haga clic con el botón derecho del ratón en el OU principal y elija New > Organizational Unit.



Paso 2. Verifique la OU recién creada. (En este ejemplo, la OU recién creada es "Clsco_TAC").



Paso 3. Agregue usuarios en la nueva OU.

Haga clic con el botón derecho del ratón en la nueva OU y elija New > User.



Paso 4. Cree un usuario que supere la brecha entre el servidor AD y CUCM.

Haga clic con el botón derecho en Usuarios y elija Nuevo > Usuario.

| Active Directory Users and Computers | | | | | | | | | | |
|---|--|--|---|--|--|--|--|--|--|--|
| File Action View Help | File Action View Help | | | | | | | | | |
| | | | | | | | | | | |
| 📃 Active Directory Users and Comput 🛛 🔊 | lame | Туре | Description | | | | | | | |
| Active Directory Users and Comput Saved Queries ramebala.com Builtin Cisco_ICM Computers Domain Controllers ForeignSecurityPrincipals ForeignSecurityPrincipals Managed Service Accounts sachin User Cisc Delegate Control Find New All Tasks View Refresh Export List Properties Help | Administrator Administrator Allowed RODC Password Res ccm admin Cert Publishers Denied RODC Password Res Donain RODC Password Res Donain GOC Password Res Donain Computers Domain Computers Domain Computers Domain Computers Domain Guests Computer Contact Group InetOrgPerson msImaging-PSPs MSMQ Queue Alias Printer User Shared Folder | Type User security Group - Domain Local User Security Group - Domain Local plicati Security Group - Domain Local Security Group - Global Security Group - Universal rs Security Group - Domain Local ver Security Group - Domain Local ers Security Group - Domain Local security Group - Domain Local Security Group - Global | Description Built-in account for admini Members in this group can Members of this group can DNS Administrators Group DNS clients who are permi Designated administrators All domain controllers in th All domain users Designated administrators Members of this group are All domain tusers Designated administrators Members of this group can Members in this group can Members of this group can Built-in account for guest Members of this group can Designated administrators | | | | | | | |
| | | | | | | | | | | |
| Create a new object | | | | | | | | | | |

Se crea el nuevo usuario. Este usuario debe ser miembro de domain admin.

| 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 | Unlock account | | | | | | |
| Account options: | | | | | | | |
| Account expires | | | | | | | |
| C End of: Saturday August 06 2016 | | | | | | | |
| | | | | | | | |
| OK Cancel Apply Help | > | | | | | | |

Paso 5. Haga clic con el botón derecho del ratón en Usuario > Propiedades.

En el diálogo Propiedades, seleccione la ficha Miembro de .

En la ficha Miembro de, haga clic en Agregar.

| ccm admin Properties | ? × | | | | | |
|---|----------------------------------|--|--|--|--|--|
| Dial-in Environment Sessions Rem Remote Desktop Services Profile Personal Virtual Desktop General Address Account Profile Telephones Organization | ote control COM+ Member Of | | | | | |
| Member of: Name Active Directory Domain Services Folder Domain Admins ramebala.com/Users | | | | | | |
| Add <u>Remove</u> Primary group: Domain Admins Cot Primary Group There is no need to change Primary group | ıp unless | | | | | |
| Set Primary Group There is no need to change Primary group unless you have Macintosh clients or POSIX-compliant applications. | | | | | | |

Paso 6. Para los "nombres de objeto a seleccionar", ingrese "administrador de dominio" y haga clic en **Comprobar nombres.**

| | <u>O</u> bject Types |
|----|----------------------|
| | Object Types |
| | |
| | |
| | Locations |
| | |
| | <u>C</u> heck Names |
| | |
| | |
| OK | Cancel |
| | OK |

Paso 7. Seleccione **Domain Admins** y haga clic en **Set Primary Group;** a continuación, elimine **Usuarios de dominio**.

| 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 Domain Users ramebala.com/Users | | | | | | | |
| A <u>d</u> d <u>R</u> emove | | | | | | | |
| Primary group: Domain Admins | | | | | | | |
| Set Primary Group you have Macintosh clients or POSIX-compliant applications. | | | | | | | |
| OK Cancel <u>Apply</u> Help | | | | | | | |

Paso 8. Haga clic con el botón derecho del ratón en el nuevo OU (Cisco_TAC en este ejemplo) y elija **Propiedades.**



Paso 9. En el diálogo Propiedades, seleccione la ficha Administrado por y haga clic en Cambiar.

| Cisco_TAC Properties | | ? × |
|----------------------|-----------------------|-------|
| General Managed By | СОМ+ | |
| Name: | | |
| [| Change Properties Cla | ar |
| | | |
| Office: | | |
| Street: | | |
| | | ਵ |
| City: | | |
| State/province: | | |
| Country/region: | | |
| | | |
| Telephone number: | | |
| Fax number: | | |
| | OK Cancel | Apply |

Paso 10. Introduzca el nombre del objeto que desea seleccionar (el nombre de usuario creado para puentear el servidor AD y CUCM en el paso 4) y, a continuación, haga clic en **Comprobar nombres**.

| 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>): | |
| ccmadmin cucm (ccmadmin@ramebala.com) | Check Names |
| | |
| | |
| Advanced | OK Cancel |

Configuración en CUCM

Paso 11. Vaya a Sistema > LDAP > Sistema LDAP.

| Server | | M Administration | | N | avigation Cisco Unifie | d CM Administration | - (|
|-------------------------------|---|-----------------------------------|---|----------|------------------------|---------------------|------|
| Cisco Unified CM | | unications Solutions | | ccmadmin | Search Documen | tation About | Logo |
| Cisco Unified CM Group | | rces • Advanced Features • Device | ✓ Application 		 User Management 		 Bulk Administration 		 Help | | | | |
| Presence Redundancy Groups | | | | | | | |
| Phone NTP Reference | | | | | | | |
| Date/Time Group | | en 47 day(s) without a su | ccessful backup. Please verify backup configuration. | | | | |
| BLF Presence Group | | | | | | | |
| Region Information | • | Administration | | | | | |
| Device Pool | | | | | | | 7 [|
| Device Mobility | • | 12 | | | | | 辑 |
| DHCP | • | itel(R) Xeon(R) CPU X7560 @ 2.2 | 27GHz, disk 1: 110Gbytes, 4096Mbytes RAM, Partitions aligned | | | | |
| LDAP | • | LDAP System | | | | | Ê. |
| 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 | | | | |
| | | | | | | | |

Paso 12. Seleccione la casilla de verificación Enable Synchronizing from LDAP Server.

| System Call Routing | Media Resources | Advanced Features 💌 | Device - Application | User Management • | Bulk Administration 💌 | Help 💌 | |
|-----------------------|-------------------------------------|----------------------|----------------------|---------------------------------------|-----------------------|--------|--|
| LDAP System Config | juration | | | | | | |
| – Status – | | | | | | | |
| (i) Please Delete All | LDAP Directories Before | Making Changes on Ti | nis Page | | | | |
| Please Disable LI | DAP Authentication Befo | re Making Changes on | This Page | | | | |
| LDAP System Infor | nation | | | | | | |
| Enable Synchroniz | ing from LDAP Server | | | | | | |
| LDAP Server Type | Microsoft Active D | Pirectory | - | | | | |
| LDAP Attribute for Us | er ID sAMAccountName | | • | | | | |
| | | | | | | | |
| | | | | | | | |
| (i) *- indicates req | uired item. | | | | | | |

Paso 13. Vaya a Sistema > LDAP > Directorio LDAP.

| Server | M Administration | | | Navigation Ci | sco Unified CM Admini | istration 🔻 |
|-------------------------------|------------------------------------|--|------------------------------|-------------------|-----------------------|-------------|
| Cisco Unified CM | unications Solutions | | | ccmadmin Search | Documentation / | About Lo |
| Cisco Unified CM Group | Irces - Advanced Features - Device | Application User Management | Bulk Administration 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 pe | er Page 50 |
| LDAP • | LDAP System | th 🔻 Find | Clear Filter 💠 📼 | | | |
| SAML Single Sign-On | LDAP Directory | LDAP Distinguished Name | LDAP User Search Base | | LDAP Serve | r Hosts(s) |
| Cross-Origin Resource Sharing | LDAP Authentication | amebala.com | OU=sachin,DC=ramebala,DC=com | | 10.106.122.160 | |
| (CORS) | LDAP Custom Filter | | | | | |
| | | | | | | |

Paso 14. Haga clic en Agregar nuevo.

| System Call Routing Media Res | 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 st | cadmin@ramebala.com | | | | | |
| LDAP Password* | ••••• | | | | | |
| Confirm Password* | ••••• | | | | | |
| LDAP User Search Base* | OU=Cisco_TAC,DC=ramebala,I | DC=com | | | | |
| LDAP Custom Filter | < None > | | ▼ | | | |

Nota:

Nombre de Configuración LDAP: Este valor es cualquier nombre de una configuración LDAP.

Nombre distinguido del administrador LDAP: Este valor debe ser el nombre de usuario del usuario del puente AD y CUCM.

Contraseña LDAP: Este valor es la contraseña del usuario puente creado en el paso 4. **Base de búsqueda de usuario LDAP**: Para encontrar este valor, siga este procedimiento en el servidor AD:

A) Haga clic con el botón derecho del ratón en la OU y seleccione Propiedades.

| Active Directory Users and Computers | | |
|--|------------------------------------|-------------|
| File Action View Help | | |
| 🗢 🔿 💋 📷 🔏 📋 🗙 🖻 💁 🔽 📷 % % | s 🛅 🔻 🗾 🕱 | |
| Active Directory Users and Comput Name | Туре | Description |
| Active Directory Users and Comput Active Directory Users and Comput Saved Queries Framebala.com E Solutin E Solutin E Comput Delegate Control Delegate Control Delegate Control Delegate Control Move E Comput Delegate Control Move E Comput Delegate Control Move E Solution Delete Rename Refresh Export List Properties Help | There are no items to show in this | view. |
| | | |
| Opens the properties dialog box for the current selection. | | |

B) En el cuadro de diálogo Propiedades, seleccione la ficha **Editor de atributos** y busque el valor "distinguidoName".

| Ciso | to_TAC Properties | ? × |
|------|-------------------------|--|
| G | eneral Managed By O | bject 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 |
| | Conorginatoro | - mot oob |
| | dSCorePropagationD | 7/7/2016 2:12:25 AM Pacific Daylight Time; |
| | extensionName | <not set=""></not> |
| | | |
| | View | Filter |
| | OK | Cancel Apply Help |

Paso 15. Aquí, mantenga la dirección IP y el puerto del servidor LDAP.

| Host Name or IP Address for Server [*] | LDAP Port [*] Use TLS |
|---|--------------------------------|
| 10.106.122.160 | 389 |
| | 389 |
| Another Redundant LDAP Server | |

Paso 16. Click Save.

Paso 17. Haga clic en Realizar sincronización completa ahora.



Verificación

Para verificar el usuario en CUCM, navegue hasta Administración de usuarios > Usuario final.

Troubleshoot

Actualmente, no hay información específica de troubleshooting disponible para esta configuración.