将目录连接器配置为在试运行中软删除用户

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简介

本文档介绍Directory Connector 3.7.3版对在Dry Run报告下显示软删除用户的增强功能。

先决条件

要求

- Microsoft Windows Server 2003、2008R2、2012、2012R2、2016、2019
- 至少需要使用版本Cisco Directory Connector 3.7.3000

使用的组件

- Microsoft Windows Server 2019
- Cisco Webex Directory Connector 3.7.3000

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。如果您的网络处于活动状态,请确保您了解所有命令的潜在影响。

背景

本文介绍如何从Active Directory中删除用户以将其标记为软删除用户,以及在下次与Directory Connector进行同步时使用Dry Run报告直接从Webex云中删除这些用户。 Webex管理员现在可以 通过选择部分用户或所有用户来强制在下一次同步中永久删除用户。

管理员可以从Active Directory中删除用户,执行同步任务后,用户在Webex云中标记为软删除。根

据设计,软删除用户将在7天后被硬删除。在7天的软删除期间,管理员无法添加具有相同电子邮件 地址的另一个新用户。

过去,需要从Webex云中硬删除软删除用户的管理员打开了一个TAC案例,以便与工程团队合作 ,然后通过同步任务添加新用户。

通过此增强功能,Webex管理员现在可以在下一个同步任务中通过选择部分用户或所有用户永久删 除这些用户,而无需联系Cisco TAC。

从Active Directory中删除用户

在本示例中,UUID为108cf4e8-150c-4e60-8a92-594b9a25e65d的主用(已验证)用户被删除。



打开Active Directory用户和计算机

从Windows Server导航至 Server Manager > Local Server > TASKS > Active Directory Users and Computers.

🔁 Server Manager					- 0 ×	
Server Ma	inager • Local Ser	ver			🕶 🕄 🏴 Manage Tools View Help	
Dashboard	PROPERTIES For Srv-Dns					
Local Server Local Server All Servers AD CS AD CS	Computer name Domain	Srv-Dns vizcainovich.com	Last installed updates Windows Update Last checked for updates	11/03/2022 03:20 a.m. Install updates automatically usin Today at 03:23 p.m.	Shut Down Local Server Windows PowerShell Computer Management Active Directory Administrative Center	
IN AD US AD DNS IN File and Storage Services ▷ IN IIS	Windows Defender Firewall Remote management Remote Desktop NIC Teaming	Domain: Off Enabled Enabled Disabled	Windows Defender Antivirus Feedback & Diagnostics IE Enhanced Security Configurat Time zone	Real-Time Protection: On Settings Off (UTC-06:00) Guadalajara, Mexico (Active Directory Domains and Trusts Active Directory Module for Windows PowerShell Active Directory Sites and Services Active Directory Users and Computers	
Ethernet0 Operating system versic Hardware information		Microsoft Windows Server 2019 Standard VMware, Inc. VMware Virtual Platform	Processors Installed memory (RAM) Total disk space	Intel(R) Xeon(R) CPU E5-2699A v4 16 GB 199.46 GB	AUSI Edit Certification Authority Dcdiag.exe DNS Manager Dsacls.exe Dsdbutil.exe	
	< EVENTS All events 5 total				Gpflixup.exe Gpflixup.exe Internet Information Services (IIS) Manager Ldp.exe Netdom.exe	
	Filter		1.00	Data and Time	Nitest.exe Ntdsutil.exe Repadmin.exe	
	SRV-DNS 37 Warning	Microsoft-Windows-Kerberos-Key-Distribu	tion-Center System	01/08/2022 06:24:18 p. m.	W32tm.exe Refresh	
	SRV-DNS 64 Warnin SRV-DNS 36 Warnin	Microsoft-Windows-CertificateServicesClie Microsoft-Windows-Time-Service	nt-AutoEnrollment Application System	01/08/2022 12:58:29 p. m. 01/08/2022 05:02:25 a. m.	The Polari	

查找要从特定组织单位(OU)删除的所需用户,选择用户,然后在操作栏上单击Delete。



确认删除任务。



使用PowerShell

您可以使用PowerShell cmdlet从Active Directory域中删除用户对象。

<#root>

Remove-ADUser

此cmdlet是用于Windows PowerShell的ActiveDirectory模块的一部分,必须预安装该模块,然后使 用以下命令将其导入到PowerShell会话中:

Import-Module activedirectory

🔰 Administrator: Windows Powe	rShell		×
Windows PowerShell Copyright (C) Microsoft Cor	poration. All rights reserved.		^
PS C:\Users\Administrator> PS C:\Users\Administrator≻	Import-Module activedirectory		
			~

您可以通过以下方式删除具有用户名的用户:可分辨名称(DN)、GUID、安全标识符(SID)或SAM帐 户名称。要删除具有用户登录名的用户,请运行命令:

Remove-ADUser soft-deleteduser

Administrator: Windows PowerShell	_	\times
Windows PowerShell Copyright (C) Microsoft Corporation. All rights reserved.		^
PS C:\Users\Administrator> Import-Module activedirectory PS C:\Users\Administrator> Remove-ADUser soft-deleteduser		
		×

系统将显示提示符,要求您确认是否从域中删除用户对象。要删除用户,请按 Y 并按 Enter 密钥.



要删除AD用户而不显示确认提示,请添加 -Confirm:\$False 在命令末尾:



已成功从Active Directory中删除用户。

使用目录连接器更新Webex Control Hub

执行同步任务将同步用户更改为软删除用户

在Cisco Directory Connector中,执行Dry Run任务以验证用户已删除。

Cisco Directory Connector	- 🗆 X
Cisco Directory Connector	Welcome, Directory Connector Admin Sign Out
Dashboard Configuration	
Actions Help	
Start Incremental Sync 😺 Sync Dry Run 🧭 Launch Event Viewer 🖾 Refresh [F5]	
Cloud Organization: VIZCAINOVICH LTD Active Directory Domain vizca	ainovich.com

从生成的试运行报告中,用户没有可分辨名称信息,这意味着该用户不再存在于Active Directory²中,并且将在下次同步时从Webex Cloud³中删除。

Cisco Directory Connector - Dry Run									
Cisco Directory Connector 1 2 3									
📴 Summary 🌡	🍋 0 Admins Deleted	🧏 1 Users Del	eted 🔒 0 Groups Delete	d 🕂 0 Objects Added	arrow 33 Objects Matched	🚹 0 Rooms Deleted	🔞 0 Soft-dele	eted Objects	
Object Type	Distinguished Name	•		▶	Display Name (UID)	¥			
user	Soft-Deleted User (soft-deleteduser@vizcainovich.com)								

运行增量同步任务以验证用户已从Webex Control Hub更改为非活动状态。

<#root>

2022-08-02 00:44:19,913 INFO sync-task-runner-1 com.cisco.codev.identity.dirsync.engine.handler.dirsync StatusCode: SUCCESS Domain: adds-vizcainovich.com Incremental Synchronization: yes Start Time: 2022-08-02T00:44:09Z End Time: 2022-08-02T00:44:19Z



Soft-Deleted User soft-deleteduser@vizcainovich.com

执行同步任务以触发用户的硬删除

在Cisco Directory Connector中,执行试运行任务以查看 Soft-deleted Objects 选项卡。

Cisco Directory Connector	—)	□ ×
Cisco Directory Connector	Welcome, Directory Connector Admin	Sign Out
Dashboard Configuration		
Actions Help		
Start Incremental Sync 😺 Sync Dry Run 🧭 Launch Event Viewer 🖾 Refresh [F5]		
Cloud Organization: VIZCAINOVICH LTD Active Directory Domain viz	cainovich.com	

从生成的试运行报告中,用户现在位于 Soft-deleted Objects 选项卡。

要立即删除该用户,管理员可以检查该用户,并且下次同步时该用户将被硬删除。

Cisco Directory Connector - Dry Run						
cisco Directory Connector						
👔 Summary 🍓 0 Admins Deleted 🧏 0 Users Deleted 🖕 0 Groups Deleted 🕂 0 Objects Added 🤕 33 Objects Matched 📑 0 Rooms Deleted 膨 1 Soft-deleted	Objects					
These objects have been soft-deleted. They will be retained in the system for 7 days after deletion date. You can select objects to delete permanently in the upcoming synchronzation and don't need to wait for 7 days.						
Object Type Display Name (UID)						
user Soft-Deleted User (soft-deleteduser@vizcainovich.com)						

Cisco Directory Connector - Dry Run	
cisco Directory Connector	
Summary to Admins Deleted 2 0 Users Deleted to Groups Deleted to Objects Added 2 33 Objects Matched The O Rooms Deleted 1 Soft-deleted Objects These objects have been soft-deleted. They will be retained in the system for 7 days after deletion date. You can select objects to delete permanently in the upcoming synchronization and don't need to wait for 7 days.	
Object Type Display Name (UID)	
2 User Soft-Deleted User (soft-deleteduser@vizcanovich.com)	
1 object selected for deletion in upcoming sync. Save Results to File 3 → Done	

运行增量同步任务以验证用户是否已成功从Webex云中硬删除,这意味着用户不再出现在Webex Control Hub中。

2022-08-02 01:20:04,313 INFO sync-task-runner-5 com.cisco.codev.identity.dirsync.engine.handler.dirsync StatusCode: SUCCESS Domain: adds-vizcainovich.com Incremental Synchronization: yes Start Time: 2022-08-02T01:19:53Z End Time: 2022-08-02T01:20:04Z Object Added: 0 Object Deleted: 0 Object Deleted: 0 Failure Count: 0

8

Soft-Deleted User

soft-deleteduser@vizcainovich.com



参考

<u>软删除后永久删除用户</u>

目录连接器发行说明 — 公告

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