

APIを使用したCisco Meeting ServerでのLDAPユーザーの設定

はじめに

このドキュメントでは、API (アプリケーションプログラミングインターフェイス) を介したCisco Meeting Server(CMS)でのLDAP(Lightweight Directory Access Protocol)の設定について説明します。

前提条件

PostManアプリ

Cisco Meeting Server

Microsoft Active Directory

使用するコンポーネント

Cisco Meeting Server

Microsoft Active Directory

背景説明

APIを介してLDAPを同期するための高レベルの設定フロー。

ステップ1: 次の説明に従って、APIを使用して/ldapServersパラメータを設定します。

1. LDAPサーバのアドレス/ポート情報
2. サーバにアクセスするためのユーザ名とパスワード
3. 非セキュアLDAPのセキュア化。

手順2: 次のように、APIを使用して/ldapMappingsパラメータを設定します。

1. LDAPユーザプロパティオブジェクトからcms対応ユーザオブジェクトへ
2. cmsユーザjidの例は、cmsなどで\$sAMAccountName\$@domain.comにマップされます。

手順3: ldapServersとldapMappingsオブジェクトを結び付ける/ldapSourcesパラメータをAPIを使用して次のように設定します。

設定

ステップ1:/ldapServersの設定

1. /ldapServersのPOSTを送信します。これにより、ldapServer IDが作成されます。さらに設定するには、一意の/ldapServers IDを使用します。

POST	https://10.106.80.30:7445/api/v1/ldapservers	Send
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2. POSTへの応答は同様の形式で返されます。ldapServerid="7ca32cc4-389f-46f5-a1b0-0a468af291a4">
3. 以下の情報をキャプチャして、[CMS API Reference Guide](#)に従ってLDAPサーバIDを更新してください

Parameters	Type/Value	Description/Notes
address *	String	The address of the LDAP server to connect to.
portNumber *	Number	The TCP or TLS port number to connect to on the remote LDAP server.
username	String	The username to use when retrieving information from the LDAP server.
password	String	The password of the account associated with username.
secure *	true false	Whether to make a secure connection to the LDAP server. If "true" then TLS will be used; if "false", TCP will be used.

4. パラメータを使用したPOSTメソッドの例

POST ▼ https://10.106.80.30:7445/api/v1/ldapservers/7ca32cc4-389f-46f5-a1b0-0a468af291a4?address=10.106.80.4&name= ... Send ▼

Params ● Authorization ● Headers (10) Body Pre-request Script Tests Settings

Query Params

	KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/>	address	10.106.80.4	
<input checked="" type="checkbox"/>	name	DOT4ADserver	
<input checked="" type="checkbox"/>	username	CN=Administrator,CN=Users,DC=S,DC=com	
<input checked="" type="checkbox"/>	portNumber	389	
<input checked="" type="checkbox"/>	secure	false	

5. GETを実行して、設定されたパラメータを確認する

GET ▼ https://10.106.80.30:7445/api/v1/ldapServers/7ca32cc4-389f-46f5-a1b0-0a468af291a4

Params Authorization ● Headers (9) Body Pre-request Script Tests Settings

Body Cookies (1) Headers (15) Test Results 🌐 Status: 200 OK

Pretty Raw Preview Visualize XML ▼ ≡

```

1 <?xml version="1.0"?>
2 <ldapServer id="7ca32cc4-389f-46f5-a1b0-0a468af291a4">
3   <address>10.106.80.4</address>
4   <name>DOT4ADserver</name>
5   <username>CN=Administrator,CN=Users,DC=S,DC=com</username>
6   <portNumber>389</portNumber>
7   <secure>false</secure>
8 </ldapServer>

```

手順2:/ldapMappingsの設定

1. POST /ldapMappings/ldapMappings ID/ldapMappings ID

POST ▼ https://10.106.80.30:7445/api/v1/ldapMappings Send ▼

2. [CMS API Reference Guide](#)LDAPID

Parameters	Type/Value	Description/Notes
jidMapping	String	The template for generating user JIDs from the associated LDAP server's entries, for instance \$sAMAccountName\$@example.com.
nameMapping	String	The template for generating user names from the associated LDAP server's entries; for instance "\$cn\$" to use the common name.
cdrTagMapping	String	The template for generating a users' cdrTag value. Can be set either to a fixed value or be constructed from other LDAP fields for that user. The user's cdrTag is used in callLegStart CDRs. See the Cisco Meeting Server CDR Reference for details.
authenticationIdMapping	String	The template for generating authentication IDs from the associated LDAP server's entries, for instance "\$userPrincipalName\$".
coSpaceUriMapping	String	<p>If these parameters are supplied, they ensure that each user account generated by this LDAP mapping has an associated personal coSpace. The user is automatically added as a member of the coSpace, with permissions defined above</p> <p>In order for that coSpace to be set up as required, these parameters provide the template for setting the coSpaces' URI, displayed name and configured Call ID. For example, setting coSpaceNameMapping to "\$cn\$ personal coSpace" ensures that each user's coSpace is labelled with their name followed by "personal coSpace".</p> <p>Note that the generated coSpace will have its own cdrTag - and it will be the same as the user's cdrTag and cannot be changed other than by changing the cdrTagMapping above and re-syncing. (The coSpace's cdrTag is used in the callStart CDR. See the Cisco Meeting Server CDR Reference for details.)</p> <p>Note that the normal uniqueness rules apply to the URI and Call IDs of coSpaces set up in this way: it is not valid to have the same URI or Call ID for more than one coSpace set up by a given LDAP mapping, nor is it valid for such a coSpace URI or Call ID to be the same as one currently in use elsewhere on the Meeting Server.</p>
coSpaceSecondaryUriMapping	String	
coSpaceNameMapping	String	
coSpaceCallIdMapping	String	

3. IdapMappings

POST

https://10.106.80.30:7445/api/v1/idapMappings/e10564c9-ae9d-4bd3-9f15-42b4faa7add

Send

Params

Authorization

Headers (11)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

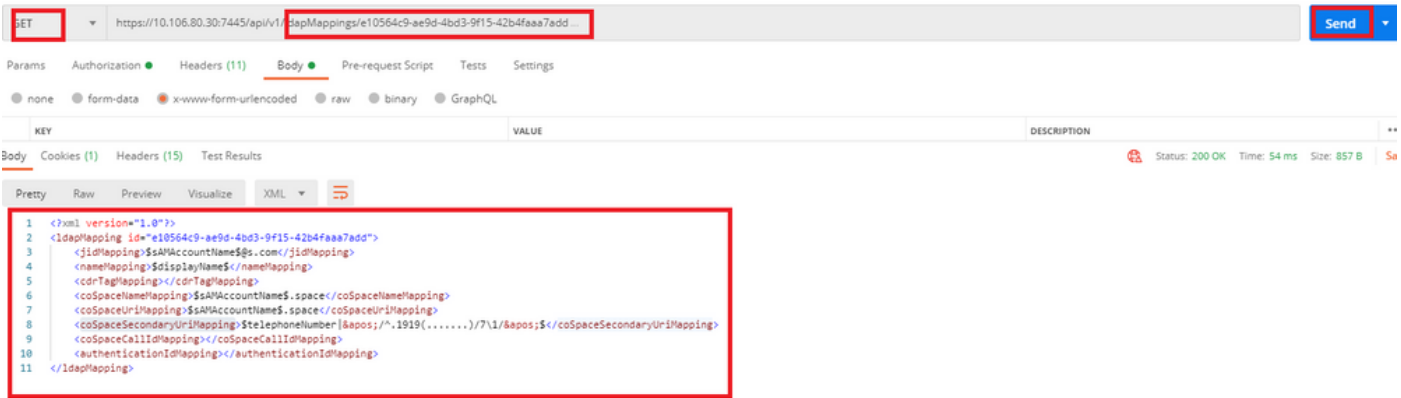
raw

binary

GraphQL

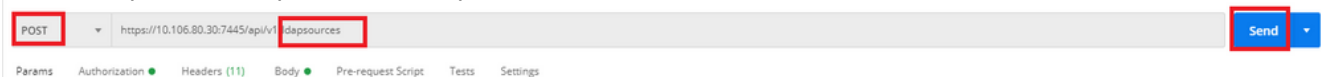
KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> jidMapping	\$sAMAccountName@s.com	
<input checked="" type="checkbox"/> nameMapping	\$displayName\$	
<input checked="" type="checkbox"/> coSpaceNameMapping	\$sAMAccountName\$.space	
<input checked="" type="checkbox"/> coSpaceUriMapping	\$sAMAccountName\$.space	
<input checked="" type="checkbox"/> coSpaceSecondaryUriMapping	\$telephoneNumber Y^1919Y71/\$	

4. GETを実行して、設定されたパラメータを確認する



ステップ3:/ldapsourcesの設定

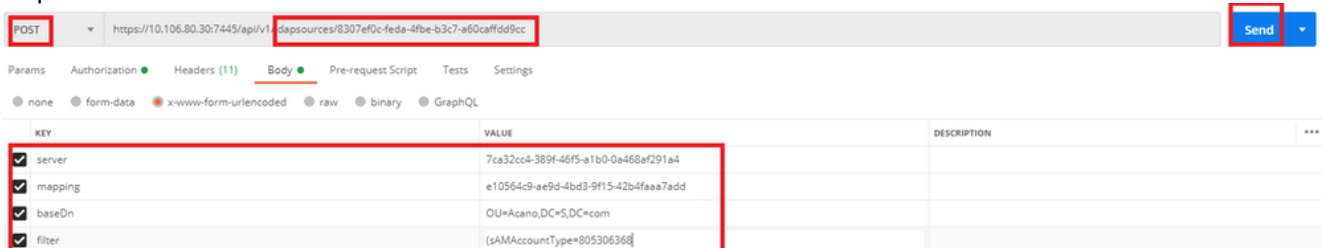
1. POST /ldapsources/ldapsources ID/ldapsources ID



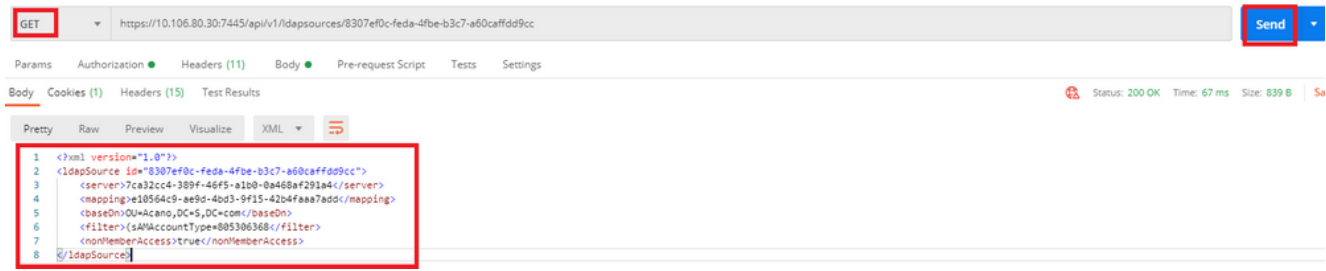
2. [CMS API Reference Guide](#)LDAPID

Parameters	Type/Value	Description/Notes
server *	ID	The ID of a previously-configured LDAP server (see above)
mapping *	ID	The ID of a previously-configured LDAP mapping (see above)
baseDn *	String	The distinguished name of the node in the LDAP server's tree from which users should be imported, for instance "cn=Users,dc=<companyname>,dc=com"
filter	String	An LDAP filter string that records must satisfy in order to be imported as users, for instance "(objectClass=person)"
tenant	ID	If supplied, the ID for the tenant to which the LDAP source should be associated. Users imported with this LDAP source will be associated with that tenant
userProfile	ID	If supplied, this is the ID of the user profile to associate with users imported via this LDAP source. This parameter is present from version 2.0 onwards.
nonMemberAccess	true false	This parameter pre-configures newly created spaces to allow or disallow non-member access. Spaces existing before the LDAP sync are not affected. true - no passcode is required to access the space and non-members are able to access the created spaces. This is the default setting and matches behavior before this parameter was introduced in version 2.0. false - ensures the member must configure non-member access and set a passcode as part of the LDAP sync. This setting allows a company to enforce passcode protection for non-member access to all user spaces. For more information, see Section 1.2 .

3. IdapSources



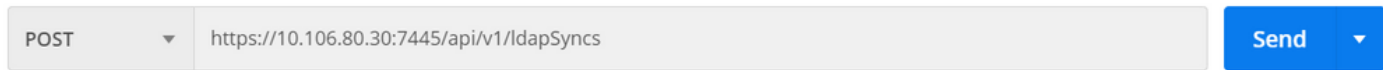
4. GETを実行して、設定されたパラメータを確認します。



設定が完了しました。これで完全同期を実行できます。

確認

ステップ1:APIから/ldapSyncsのPOSTを送信し、イベントログを確認する



ステップ2：同期が完了したら、イベントログをチェックインします。

10:50:41.225	Info	10.65.86.71: API user "admin" created new LDAP sync operation c02dbb2b-c63e-4bb8-a39f-bbee2cd9611f
10:50:41.225	Info	LDAP sync operation starting
10:50:41.269	Info	LDAP sync operation: finalising
10:50:41.650	Info	LDAP sync operation c02dbb2b-c63e-4bb8-a39f-bbee2cd9611f complete
10:50:55.705	Info	10.65.86.71: web user "admin" logged in
10:50:55.705	Info	web session 1 now in use for user "admin"
10:53:04.331	Info	1103 log messages cleared by "admin"
10:53:07.569	Info	10.65.86.71: web user "admin" created new LDAP sync operation 50c7034c-9aa7-4e81-a304-4113734ffc11
10:53:07.570	Info	LDAP sync operation starting
10:53:07.594	Info	LDAP sync operation: finalising
10:53:07.943	Info	LDAP sync operation complete

ステップ3：ユーザがLDAPソースから同期されていることを確認します。

Users

Filter Submit Query

Name	Email	Username
Gogi	gogi@s.com	gogi@s.com
Sai acano	saiacono@s.com	Saiacono@s.com
go go	gogo@federation.com	gogo@federation.com
ivrman	ivrman@s.com	ivrman@s.com
joey	joey@s.com	joey@s.com
prashant	prkapur@s.com	prkapur@s.com
sai1 acano	sai1acano@federation.com	sai1acano@federation.com
sankar v		sankar@s.com
shakur 2pac	2pac@s.com	2pac@s.com
user1	user1@acanolab3.com	user1@s.com
user2 2	user2@s.com	user2@s.com

トラブルシューティング

APIパラメータとLDAP属性が正確であることを確認します。

Call Bridgeからパケットキャプチャを取得すると、LDAPの接続の問題を切り分けるのに役立ちます。