

LDAP-gebruikers configureren op Cisco Meeting Server via API

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Inleiding

Dit document beschrijft de configuratie van LDAP (Lichtgewicht Directory Access Protocol) op Cisco Meeting Server via API (Application Programming Interface).

Voorwaarden

PostMan-app

Cisco Meeting Server (CMS)

Microsoft Active Directory

Vereisten

Er zijn geen specifieke vereisten van toepassing op dit document.

Gebruikte componenten

Cisco-vergaderserver

Microsoft Active Directory

Achtergrondinformatie

Configuratie-stroom op hoog niveau naar sync LDAP via API.

Stap 1. Het configureren/bepersen van IPsec-servers door API zoals hieronder beschreven

1. Adres/poortinformatie van de LDAP-server
2. Gebruikersnaam en wachtwoord voor toegang tot de server
3. Beveiliging van niet-beveiligde ldap.

Stap 2: Het instellen van een IP-telefoon/ldapMappings-parameter via API zoals hieronder

beschreven

1. LDAP gebruikerseigenschappen objecten naar cms corresponderende gebruikersobjecten
2. Bijvoorbeeld cms-gebruiker jid zal zich op cms en cms aanmelden op \$sAMAaccountName\$@domain.com.

Stap 3: Configureer/ldapBronparameters door API zoals hieronder beschreven, zodat ldapServer en ldapMappings-object met elkaar verbonden kunnen worden.

Configureren

Stap 1. Configureren/bladeservers

1. Verzend een POST voor /ldapServer-servers, wat een IPserver-ID zou creëren. Gebruik unieke IP/IPsec-servers voor verdere configuratie.

POST

2. Respons op POST worden teruggegeven in een vergelijkbaar formaat <liServer id="7ca32cc4-389f-46f5-a1b0-0a468af291a4">
3. Hieronder informatie opnemen om LDAP Server-ID per [CMS API-handleiding](#) bij te werken

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. POST-voorbeeldmethode met parameters

POST

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. Ga om geconfigureerde parameters te controleren

The screenshot shows a REST client interface. At the top, a GET request is shown with the URL `https://10.106.80.30:7445/api/v1/ldapServers/7ca32cc4-389f-46f5-a1b0-0a468af291a4`. Below the URL bar, there are tabs for Params, Authorization, Headers (9), Body, Pre-request Script, Tests, and Settings. The Body tab is selected, showing the response in XML format. The XML response is as follows:

```
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>
```

Stap 2, Configureren/veldopMaps

1. Verzend een POST voor /ldapMappings om een /ldapMappings ID te creëren. Gebruik ID /ldapMappings en stel de onderstaande parameters in.

The screenshot shows a REST client interface for a POST request. The method is POST, and the URL is `https://10.106.80.30:7445/api/v1/ldapMappings`. A blue Send button is visible on the right.

2. Hieronder informatie opnemen om LDAP mapping-id bij te werken volgens de [CMS API-handleiding](#)

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	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
coSpaceSecondaryUriMapping	String	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".
coSpaceNameMapping	String	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.)
coSpaceCallIdMapping	String	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.

3. Onder parameters voor ldapMappingen configureren

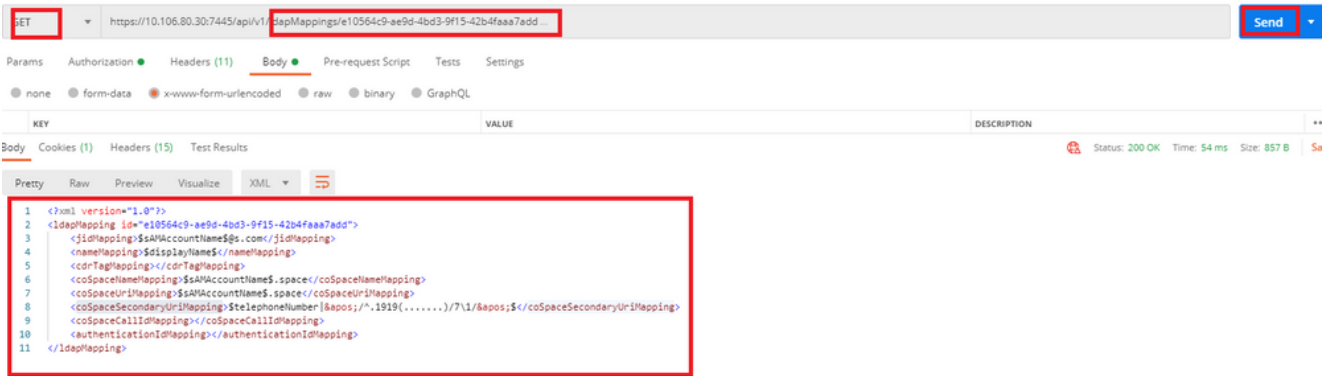
POST https://10.106.80.30:7445/api/v1/ldapMappings/e10564c9-ae9d-4bd3-9f15-42b4faa7add Send

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{7^,1919{.....}7/1/\$	

4. Voer een GET uit om geconfigureerde parameters te controleren.



Stap 3: Configureren/toewijzen

1. Verzend een POST voor /ldapsourcen om een /ldapsourcing ID te maken. Gebruik /ldapsourcet ID en stel hieronder parameters vast.



2. Hieronder informatie opnemen om LDAP mapping-id bij te werken volgens de [CMS API-handleiding](#)

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. Onder parameters voor bronnen configureren

POST

Params Authorization Headers (11) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL

KEY	VALUE	DESCRIPTION
server	7ca32cc4-389f-46f5-e1b0-0a468af291a4	
mapping	e10564c9-ae9d-4bd3-9f15-42b4faa7add	
baseDn	OU=Acano,DC=S,DC=com	
filter	{sAMAccountType=805306368}/filter	

4. Voer een GET uit om geconfigureerde parameters te controleren.

GET

Params Authorization Headers (11) Body Pre-request Script Tests Settings

Body Cookies (1) Headers (15) Test Results

Pretty Raw Preview Visualize XML

```

1 <?xml version="1.0"?>
2 <ldapSource id="8307ef0c-feda-4fbc-b3c7-a60caffd9cc">
3   <server>7ca32cc4-389f-46f5-e1b0-0a468af291a4/</server>
4   <mapping>e10564c9-ae9d-4bd3-9f15-42b4faa7add/</mapping>
5   <baseDn>OU=Acano,DC=S,DC=com/</baseDn>
6   <filter>{sAMAccountType=805306368}/filter
7   <nonMemberAccess>true/</nonMemberAccess>
8 </ldapSource>

```

Status: 200 OK Time: 67 ms Size: 839 B

De configuratie is voltooid. We kunnen nu een volledige sync uitvoeren.

Verifiëren

Stap 1. Verzend POST voor IP-camera's vanuit API en controleer gebeurtenissen

POST

Stap 2. Controleer in de logbestanden van de gebeurtenis als de sync's is voltooid.

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

Stap 3. Controleer dat de gebruikers zijn gesynchroniseerd vanaf de taakbron.

Users

Filter

Name	Email	Username
Gogi	gogi@s.com	gogi@s.com
Sai acano	saiacano@s.com	Saiacano@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

Problemen oplossen

Controleer of de API parameters en LDAP kenmerken nauwkeurig zijn.

Het nemen van pakket opnamen van Call Bridge helpt bij het isoleren van connectiviteitsproblemen met LDAP.