Grouper LDAP external system

Grouper LDAP connections are managed from the external system UI page (or from the underlying configs)

As a Grouper admin navigate to Miscellaneous External systems

Here is an example

Grouper external systems

Actions ▼

Config id		pennKiteAd

URL ☐ EL?

ldaps://is[███████]du:636 📋 *****

Specify the ldap connection url. Note the URL should start with ldap: or ldaps: if it is SSL. It should contain the server and port (optional if 389/636). e.g. ldaps://ldapserver.school.edu:636   You should not want specify the base dn here. If you do then all ldap filters will use this base dn. If you still want to specify the base dn, here is an example: ldaps://ldapserver.school.edu:636/dc=school,dc=edu

Config file from classpath ☐ EL?

Load this ldaptive config file before the configs here. load from classpath. eg: ldap.personLdap.properties   this is in the container in /opt/grouper/grouperWebapp/WEB-INF/classes/

User name ☐ EL?

IS[██████]er

optional, if authenticated. eg: uid=someapp,ou=people,dc=myschool,dc=edu

Password ☐ EL?

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optional, if authenticated, note the password can be stored encrypted in an external file

TLS ☐ EL?

◉ Default value (True)   ○ True   ○ False

optional, if you are using tls, set this to true. Generally you will not be using an SSL URL to use TLS. Default value is 'true'.

Is Active Directory? ☐ EL?

○ Default value (False) ◉ True   ○ False

optional, if this ldap connector is an active directory. Default value is 'false'.

SASL authorization id ☐ EL?

optional, if using sasl

SASL Realm ☐ EL?

optional, if using sasl

UI test search dn ☐ EL?

DC=kite,DC=upenn,DC=edu

When testing the connection in the UI, this is the search dn, e.g. ou=People,dc=example,dc=edu

UI test search scope ☐ EL?

ONELEVEL_SCOPE ⌄

When testing the connection in the UI, this is the search scope

UI test filter ☐ EL?

OU=UnivOfPennsylvania

When testing the connection in the UI, this is the search filter, e.g. (uid=aanderson)

UI test attribute name ☐ EL?

OU

When testing the connection in the UI, this is the search attribute name, e.g. cn

UI test expected value ☐ EL?

UnivOfPennsylvania

When testing the connection in the UI, this is the search expected value

Batch size ☐ EL?

optional (note, time limit is for search operations, timeout is for connection timeouts), most of these default to ldaptive defaults. times are in millis

Count limit ☐ EL?

optional (note, time limit is for search operations, timeout is for connection timeouts), most of these default to ldaptive defaults. times are in millis

Time limit ☐ EL?

| Timeout | ☐ EL? | | |
| | | optional (note, time limit is for search operations, timeout is for connection timeouts), most of these default to ldaptive defaults. times are in millis | |

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Timeout ☐ EL?

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Paged results size ☐ EL?

1000

if there is a max size limit on ldap server, then this will retrieve results in pages

Referral ☐ EL?

set to 'follow' if using AD and using paged results size and need this for some reason (generally you shouldnt)

Search results handle ☐ EL?

org.ldaptive.handler.DnAttributeEntryHandler,edu.internet2.middlew;

comma-delimited list of classes to process LDAP search results. Useful if AD returns a ranged attribute for large groups (e.g., member;range=0-1499); include the GrouperRangeEntryHandler to handle progressive fetching.

Search ignore result codes ☐ EL?

comma-delimited list of result codes (org.ldaptive.ResultCode) to ignore, e.g. TIME_LIMIT_EXCEEDED, SIZE_LIMIT_EXCEEDED, PARTIAL_RESULTS

Enabled ☐ EL?   ⦿ Default value (True)   ○ True   ○ False
Enabled. Default value is 'true'.

pooling

pooling

Customize pooling ☐ EL?   ⦿ Default value (False)   ○ True   ○ False
if want to customize pooling. Default value is 'false'.

Submit   Cancel

Testing LDAP connections

Search in a DN, one level, or an object, and test that the attribute value retrieved is expected, see the example above

GSH LDAP command

GSH LDAP command