

LDAP Integration

LUCY has an LDAP API, which allows the administrator to:

- import recipients and users directly from your directory service
- authorize users in the Admin console, Enduser portal and Awareness website

Sync tool for Windows

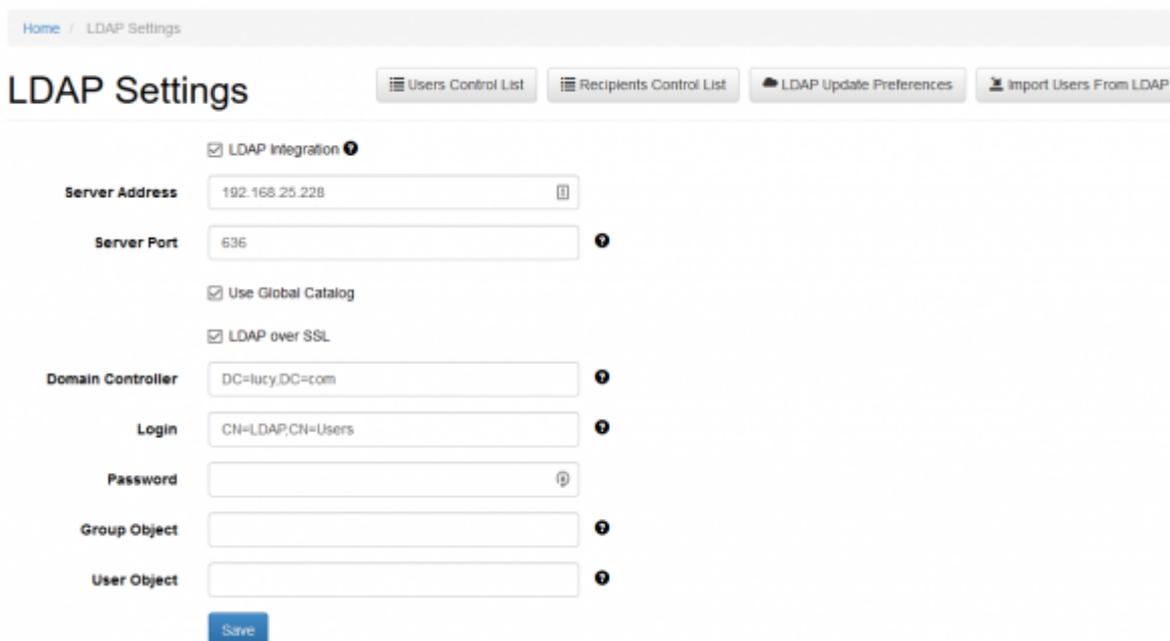
Besides LDAP API, there is a tool that can be run on Windows machines to sync your Active Directory groups with Lucy, see more [here](#).

Setup

To configure the LDAP connection please go in LDAP settings (Settings → LDAP Settings) and save your server and authentication details. Within the field "Server Address" you need to enter your LDAP server IP address, within the field "Server Port" you should enter TCP/UDP port for LDAP (default port 389 or port 636 for LDAPS) and if "Use Global Catalog" and "LDAP over SSL" are enabled you should use the ports 3268 and 3269. Within the field "Domain Controller" you need to enter your LDAP Server Root RDN (example: "dc=domain,dc=com") and within the field "Login" you need to enter user RDN (example: "cn=Administrator,cn=Users").

Fields "Group Object" and "User Object" are used to filter search from the LDAP objects. Objects within "Group Object" and "User Object" fields need to be separated with a comma and one space.

You may use regular Active Directory search filters, for example:
(!(objectClass=inetOrgPerson)(objectClass=user))



Also in the "LDAP settings" you can use Global Catalog:

LDAP Integration ⓘ

Server Address: 192.168.60.141 ⓘ

Server Port: 3268 ⓘ

Use Global Catalog

LDAP over SSL

Domain Controller: DC=support,DC=local ⓘ

Login: CN=Administrator,CN=Users ⓘ

Note: The Global Catalogue allows the connection only via two special ports: 3268 or 3269. To use this functionality, please configure one of these ports for connection to AD.

The global catalog (GC) allows users and applications to find objects in an Active Directory domain tree, given one or more attributes of the target object. The global catalog contains a partial replica of every naming context in the directory. It contains the schema and configuration naming contexts as well. This means the GC holds a replica of every object in the directory but with only a small number of their attributes. The attributes in the GC are those most frequently used in search operations (such as a user's first and last names or login names) and those required to locate a full replica of the object.

LDAP Update Preferences

This menu allows configuring automatic synchronization of LDAP recipients and users that were imported into LUCY. Automatic synchronization happens every 10 minutes.

Note, these settings are global and all of the Autoupdate LDAP preferences per a group of recipients will be ignored with the settings enabled (see [Autoupdate LDAP Recipients](#)).

Home / LDAP Settings

LDAP Settings Users Control List Recipients Control List **LDAP Update Preferences** Import Users From LDAP

LDAP Integration ⓘ

Server Address: 192.168.111.128 ⓘ

Server Port: 389 ⓘ

Use Global Catalog

LDAP over SSL

Domain Controller: dc=local,dc=com ⓘ

Login: cn=ldap,cn=users ⓘ

Password: ⓘ

Group Object: ⓘ

User Object: ⓘ

Save

LDAP update preferences contain 2 options for automatic action. It is possible to configure LUCY to

add users and recipients automatically or to wait for the Administrator's decision.

LDAP Update Preferences

Autoupdate LDAP recipients

Action for new recipients: Waiting for administrator's decision

Action for deleted recipients: Automatically Add

In case if you select "Waiting for administrator's decision", an Administrator will have to go to a control list and decide whether it is necessary to delete\add a recipient\user or not.

LDAP Settings

Users Control List Recipients Control List LDAP Update Preferences Import Users From LDAP

LDAP Integration

Server Address: 192.168.111.128

Server Port: 389

Use Global Catalog

LDAP over SSL

It is also possible to customize the pattern of automatic import of users from an Organization Unit. Lucy will scan a Distinguished Name (RDN) of the OrganizationUnit (eg. OU=Admins, DC=domain, DC=tld) and automatically bind a role to an imported user according to the settings that can be seen on the screenshot below.

Import Administrator role users from AD group

Admin group DN:

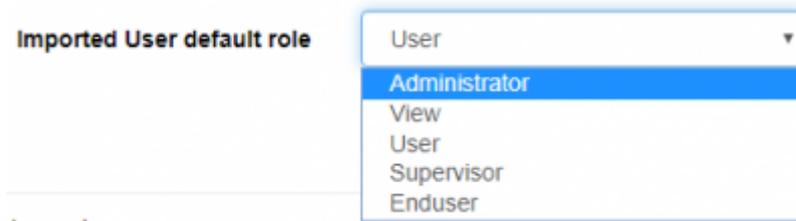
Import View role users from AD group

Import Supervisor role users from AD group

Import User role users from AD group

Import Enduser role users from AD group

The user default role defines a role that will be assigned to users with manual import users from LDAP.



Importing recipients in a group for a campaign

When you create a new recipient group you will be able to use the previously configured LDAP connection to query and import all the users/groups:

Home / Recipients / OrganizationLDAPTest / Import

OrganizationLDAPTest

Recipients

Edit Group Name

Import

Scan

LDAP Import Settings

Import From

File

File

LDAP Server

Add recipients to bound campaigns.

Send emails if bound campaigns are running.

Add more groups

Import File

Browse... No file selected.

Import

Home / Recipients / OrganizationLDAPTest / Import

OrganizationLDAPTest

Recipients

Edit Group Name

Import

Scan

LDAP Import Settings

Import From

LDAP Server

Update existing recipients

Add recipients to bound campaigns.

Send emails if bound campaigns are running.

Add more groups

Search

Search by group or user name

Search **Reset**

<input type="checkbox"/>	Name	Email	Phone	Location
<input type="checkbox"/>	End User1	enduser@lucysecurity.com	12	
<input type="checkbox"/>	User1	user@lucysecurity.com	41628357764	

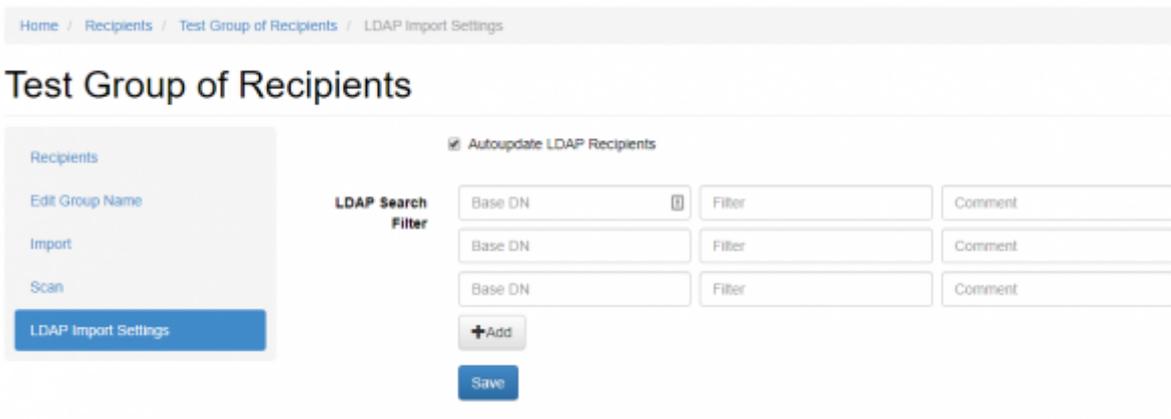
LUCY will automatically match the user's attributes in the LDAP directory with the available recipient attributes in LUCY.

If "Update existing recipients" option is enabled, recipient attributes will update during LDAP import if these recipients have been imported before.

Autoupdate LDAP Recipients

It is possible to configure LUCY autoupdate recipient list of from an LDAP Server.

⚠ Note, this configuration will not be active if there are global settings for recipients import disabled.



You may use regular Active Directory search filters, for example:

```
( | (objectClass=inetOrgPerson) (objectClass=user) ) .
```

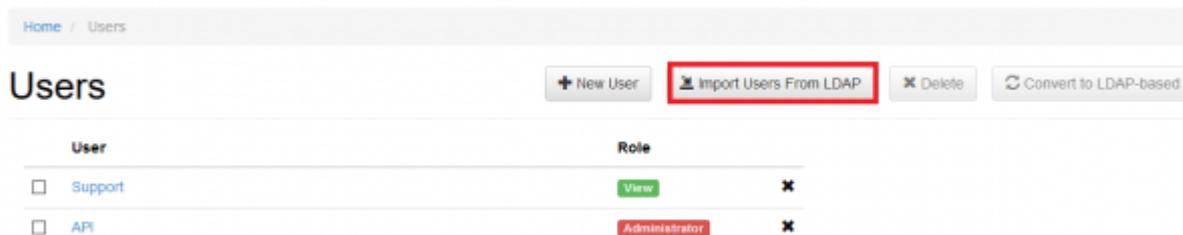
See [Microsoft Documentation](#) for more info.

The Base DN of the query must be specified in the following format:

```
dc=MyDomain,dc=com.
```

Importing users via LDAP

If you want to import users who can access LUCY using their AD account, you can go into the user settings menu (Settings > Users) and click the according button:



By default, the User role will be assigned for all imported users.

Which LDAP fields can be used?

LUCY will automatically match the user's attributes in the LDAP directory with the available recipient attributes in LUCY. Those are:

- 1.Email - Recipient's e-mail address
- 2.Name - Recipient's name
- 3.Location - Recipient's location
- 4.Phone - recipient phone number

To configure other recipient fields to match Active Directory attributes go to the LDAP Fields Associations page (Settings > LDAP Settings > LDAP Fields Associations):

Home / LDAP Settings / Fields Associations

Please, select matches between recipient attributes and LDAP properties. These settings will use in Recipient LDAP Import.

Ldap Fields Associations Edit

Full Name	<input type="text" value="cn"/>
First Name	<input type="text" value="givenname"/>
Last Name	<input type="text" value="sn"/>
Email Address	<input type="text" value="mail"/>
Phone Number	<input type="text" value="telephoneNumber"/>
Location	<input type="text" value="l"/>
Staff Type	<input type="text" value="physicalDeliveryOfficeName"/>
Comment	<input type="text" value="description"/>
Link	<input type="text"/>
Language	<input type="text" value="preferredLanguage"/>
Division	<input type="text" value="st"/>

⚠ Recipient's custom fields are also supported.

Login Lucy through Active Directory (LDAP)

Lucy allows users to login with their Active Directory account.

Admin console & Enduser portal

In order users to login Admin console or Enduser portal you should first import accounts to Lucy from your Active Directory. See [this](#) section for more details.

🔗 Please note that to login Lucy you should use an appropriate user role that can be configured within the LDAP Update Preferences page (Settings > LDAP Settings > LDAP Update Preferences).

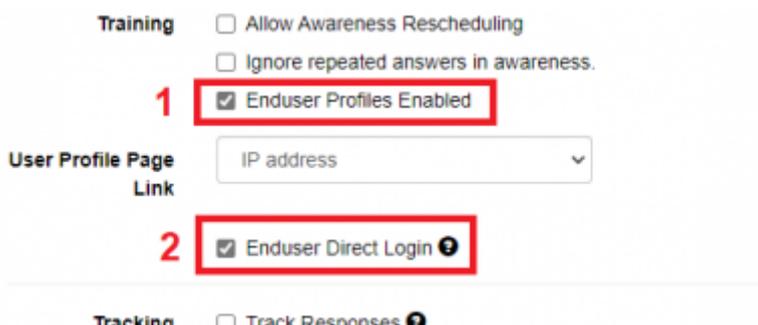
User roles used to access Admin console: **Administrator, View, User, Supervisor.**

User role used to access Enduser portal: **Enduser.**

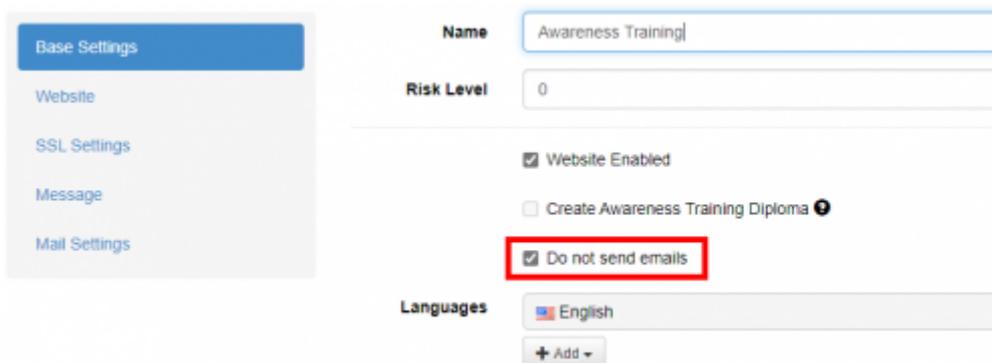
Awareness website

Lucy has an option to send a non-unique link for awareness website, but it requires users to login with their AD account to access the website. It also requires endusers to be imported into Lucy (see previous section).

To enable LDAP login for Awareness website, tick the option "**Enduser Direct login**" within the Base Settings in your campaign:



and the option "**Do not send emails**" within the Website section of the Awareness settings:



This enables the Global Link that can be used to access Awareness website after successful login via

LDAP:

The screenshot shows a configuration interface for LDAP integration. On the left, there is a sidebar with menu items: 'Base Settings', 'Website' (highlighted), 'SSL Settings', 'Message', and 'Mail Settings'. Below this is a 'Quick Tips' section with two items: 'Awareness Website Variables' and 'Create Custom Video'. The main configuration area includes: 'Domain' (text input), 'Subdomain' (text input), a 'Quiz' checkbox, 'Preview link' (text input with a URL), 'Global link' (text input with a URL, highlighted by a red box), 'Language' (dropdown menu set to 'English'), 'Editor Type' (dropdown menu set to 'Visual Editor'), and 'File' (dropdown menu set to 'index.html').

The option "Do not send emails" disables sending awareness emails from campaign, that allows to share the Global Link through your own channel.

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