

# Coveo Enterprise Search 6.1

## Active Directory Connector

Coveo's *Microsoft Active Directory* connector allows users to index *Active Directory* content. By querying *Active Directory*, user information located in *Active Directory* can be retrieved.

### Features

The *Active Directory* connector can be used to index all user information for users. It allows *Coveo Enterprise Search (CES)* to crawl and index the content of *Active Directory*. It allows CES to create contacts for these users.



The following details the features available in the *Active Directory* connector:

- **Live indexing:** Allows the connector to periodically query *Active Directory* for the latest edits, keeping the index content up to date.

### Installation

#### ▶ How to Configure a User Identity

Any user can be used to index *Active Directory* as everyone has read access in *Active Directory*, as long as the user is from the same domain or a trusted domain. It is necessary to configure a CES user identity:


1. In the Administration Tool, access the **Administrators** page (Configuration > Security).
2. In the left navigation pane, click **User Identities**. The **User Identities** page is displayed.
3. Click . The **Modify User Identity** page is displayed.
4. In the **Name**, **User** and **Password** fields, enter the credentials of the administrative account.
5. Click .

<b>Name</b>	<input type="text" value="companyname/jsmith"/>
<b>User</b>	<input type="text" value="companyname/jsmith"/>
<b>Password</b>	<input type="password" value="•••••"/>
<b>Option</b>	<input type="checkbox"/> Support basic authentication
<b>Client certificate</b>	<input type="checkbox"/> Use client certificate
<b>Store</b>	<input type="text" value="Personal"/>
<b>Certificate</b>	<input type="text"/>

## Configuration


### ▶ How to Index an Active Directory Source

To use a single source to index all *Active Directory* users, enter a single URL in the **Addresses** box that represents the current domain. In the Administration Tool, access the **Sources and Collections** page (Index> Sources and Collections).

1. In the **Sources** section, click  **Add** . The **Add Source** page is displayed.
2. Enter the appropriate values.

Field	Description	Example
Name	Any descriptive name.	Active Directory
Source Type	The connector used by this source.	Active Directory
Addresses	List of starting points for the connector, one address per line.	For example, if the domain was corp.acme.com, acceptable values would be: <ul style="list-style-type: none"> <li>- LDAP://acme</li> <li>- LDAP://corp.acme.com</li> <li>- LDAP://DC=corp,DC=acme,DC=com</li> </ul> If you want to select only users in a particular OU, you would enter: <ul style="list-style-type: none"> <li>- LDAP://OU=ouname,DC=corp,DC=acme,DC=com</li> </ul>
LDAP Filters*	Filters used to refine the LDAP query to Active Directory	The default value is "mail=*". This is used to get all users that also have an Exchange Mailbox. This same filter is used in Coveo's Exchange Connector to expand user mailboxes. See Appendix for details on the filter.

\* These parameters are optional.

3. Click  **Save and Start** .

## Appendix

### ▶ LDAP Searches

LDAP Searches are an important part of the *Active Directory* connector. An LDAP Search is performed in order to find all the items to index.

The results should reflect all the users in *Active Directory*. Depending on the configuration of the *Active Directory*, it is possible the results will not match the results anticipated. Two parameters of the connector allow to fine tune the search:

- **The starting address:** Specifies to the connector where to start looking in *Active Directory*. For example, to search only within the OU "companynameOU" within the domain "corp.companyname.com", enter: "LDAP://OU=companynameOU, DC=corp, DC=companyname, DC=com".
- **LDAP Filters:** Allows to add properties to the results the connector is looking for. The default filter is: "(&(objectclass=user)(objectclass=person))". This AND operation is performed on a few properties in order to find the most mailboxes without receiving any unwanted ones. If this filter is

not specific enough, it is possible to complete the filter by adding a value to it. The value entered is added to the AND operation on the filter. For example, if the value "cn=JohnSmith" is entered in the parameter, the resulting filter is: "(&(objectclass=user)(objectclass=person)(cn=JohnSmith)". The default value of the LDAP Filters is "mail=\*" in order to only find users that own an *Exchange* mailbox.