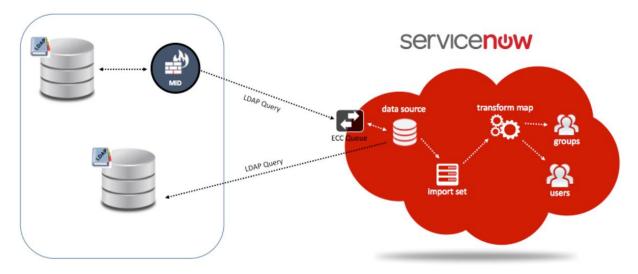
# LDAP Integration

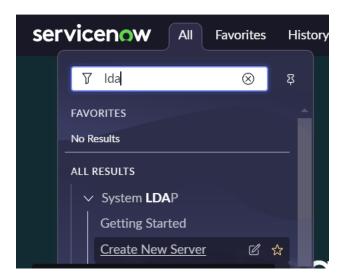
LDAP stands for **Lightweight Directory Access Protocol**. It is a vendor-neutral, industry-standard application protocol used to access and manage directory information services and provides a means to manage user and group membership stored in Active Directory.



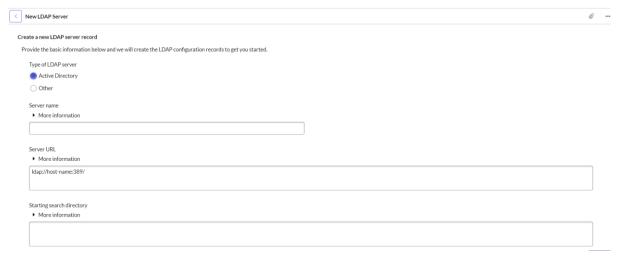
➤ An LDAP integration allows your instance to use your existing LDAP server as the master source of user data.

Now lets to practical

- ➤ Login to PDI and search LDAP
- Click on create new server



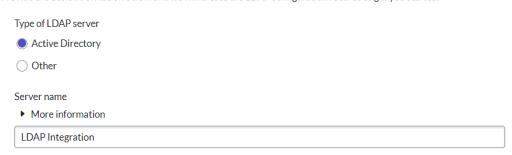
> A form is open



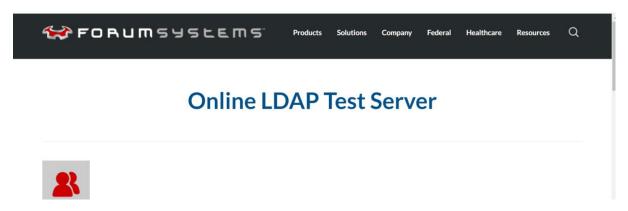
> Select LDAP server Active Directory and Give server name

## Create a new LDAP server record

Provide the basic information below and we will create the LDAP configuration records to get you started.



➤ Now in google search for online LDAP Tester



➤ Now in form give server url copy from online LDAP test server

Here are the credentials for an Online LDAP Test Server that you can use for testing your applications that require LDAP-based authentication. Our goal is to eliminate the need for you to download, install and configure an LDAP sever for testing. If all you need is to test connectivity and authentication against a few identities, you have come to the right place. If you find this useful or would like us to enhance/modify this test LDAP server, please leave a comment.

LDAP Server Information (read-only access): Server: *Idap.forumsys.com* Port: *389* Bind DN: *cn=read-only-admin,dc=example,dc=com* Bind Password: *password* 

All user passwords are *password*. You may also bind to individual Users (uid) or the two Groups (ou) that include: *ou=mathematicians,dc=example,dc=com* 

• riemann

### Paste in form

#### Create a new LDAP server record

Provide the basic information below and we will create the LDAP configuration records to get you started.

Type of LDAP server  Active Directory	
○ Other	
Server name	
► More information	
Server URL	
► More information	
ldap://ldap.forumsys.com	

## Now provide Starting search directory

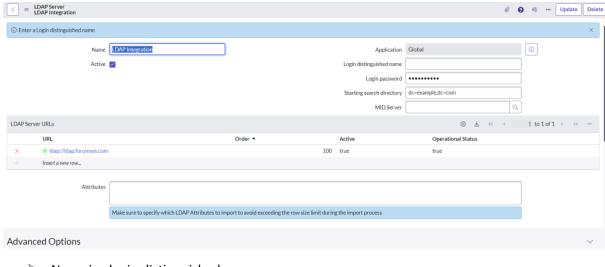
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· riomann

# Click on submit



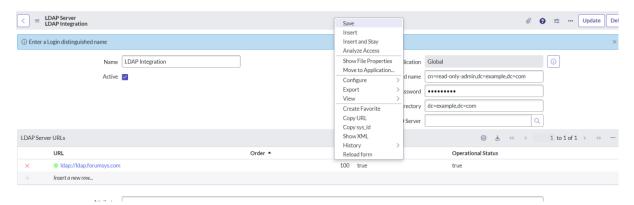
> Now give login distinguished name



Now give login password



Now save the form



Now it will test and give successfully message.

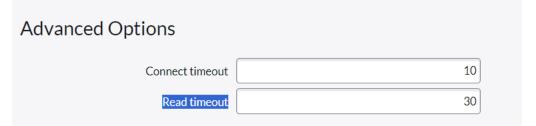


- Now understand few field on the form means
- Connect timeout

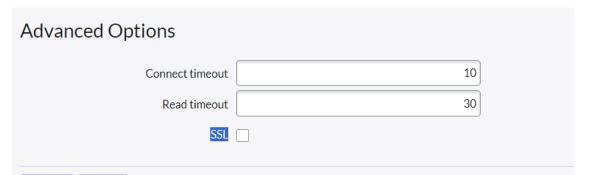


A LDAP connection timeout happens when the client loses connection to the LDAP server due to exceeding the time limits of InitRecvTimeout or MaxConnIdleTime parameters.

- Read timeout
- Read timeouts cover the amount of time it takes to actually receive the response back from the server



- > SSL
- > It is used to secure communication between LDAP clients and LDAP servers



- Listener
- > The "Listen Interval" defines how often to transform.

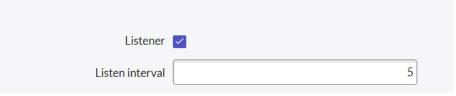
"So, the Listener interval is actually just the frequency at which the transform takes place. The updates will still come in real time. They build up an import set, then after the interval, that import set is transformed. Listener is a push service. We do not pull those updates, those get pushed to us by your server.

If you want your LDAP changes coming in just once a day, or just once every 6 hours or so, then you should actually turn off the listener, then let the LDAP Refresh scheduled job run.

The scheduled job runs once a day (by default). If you want it to run more often than that, then you can change the repeat interval on it.



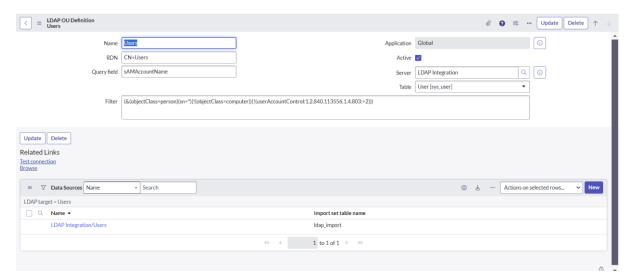
- Listen interval
- The "Listen Interval" defines how often to transform. "So, the Listener interval is actually just the frequency at which the transform takes place. The updates will still come in real time.



Below you will see users and groups



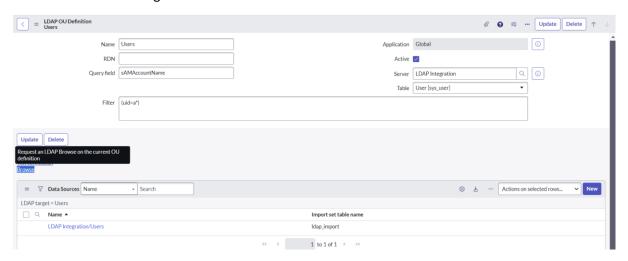
## Open users



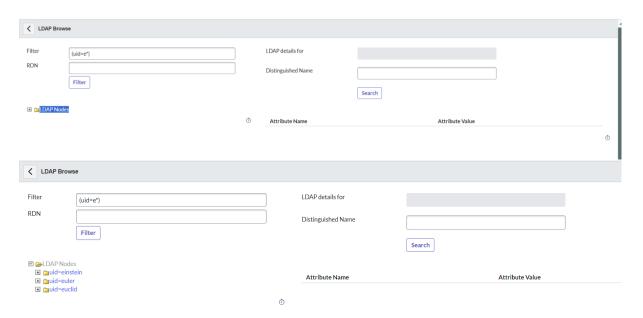
Now remove otb filter which come by default



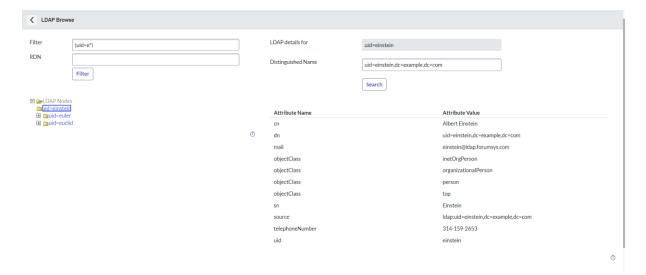
- ➤ Give filter (uid=e\*)
- And save
- Now after saving click on browse



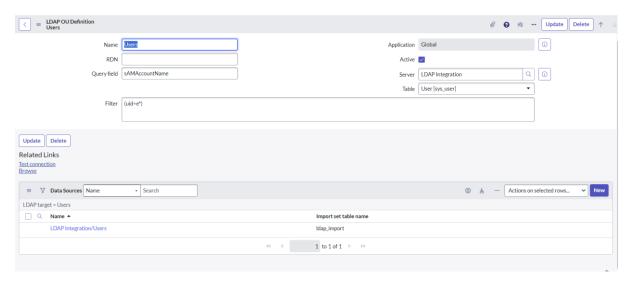
You will see get only those user who start with e click on LDAP Nodes



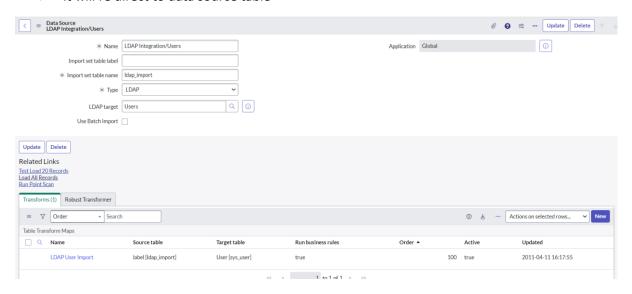
Now click on user and see all details



- Now go back to previous page
- Now open below data source



> It will re direct to data source table



Click on load all records



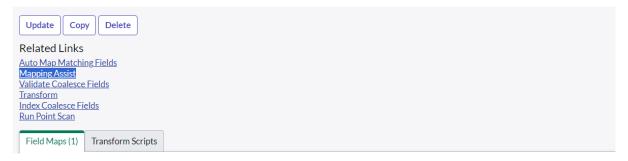
Now click on create transform map



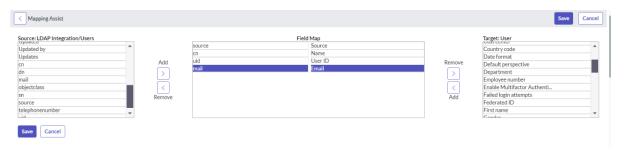
- Provide name and target table
- Click on Auto Map Matching Fields



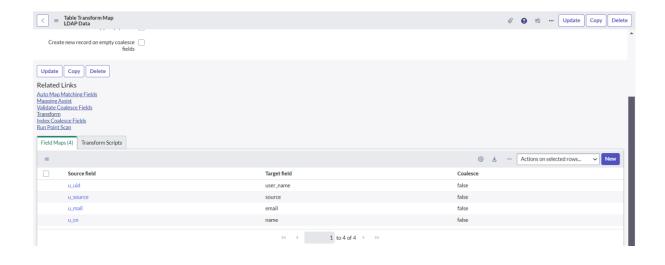
Now I want to map other fields click on mapping assist

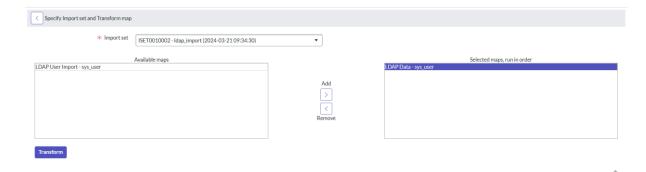


Now I did mapping



- Click on save
- Click on transform





## > Click on Transform



# Now go to user table and check



# You get user

## Requirement for LDAP

- Sever Details
- > DN

- Password
- > Filter

For more check below links

https://support.servicenow.com/kb?id=kb\_article\_view&sysparm\_article=KB0961314