

# CA Release Automation Continuous Delivery Edition

*User management settings*

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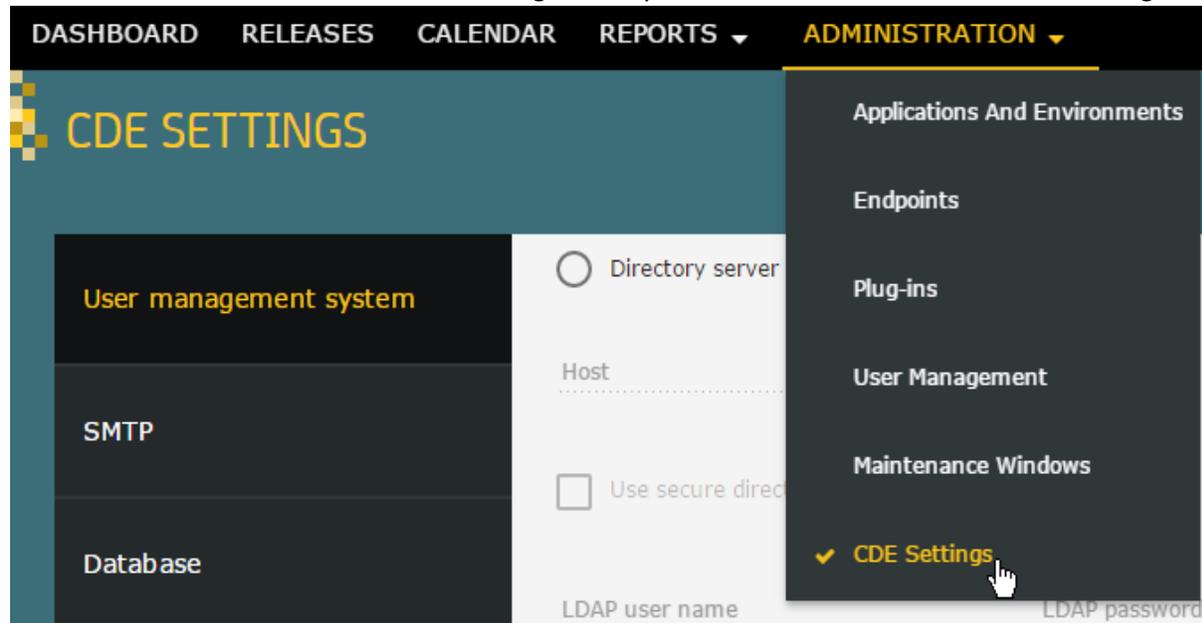
CA Release Automation Continuous Delivery Edition (CDE) include integration with Microsoft LDAP system (AKA Active Directory) and LDAP directory systems for user authentication. Below you can find useful information that will assist integrating CDE with user management system.

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## Accessing user management system

Users with admin role can access user management system via ADMINISTRATION → CDE Settings



## User credentials

LDAP user name	LDAP password
cn=Manager,dc=maxcrc,dc=com	*****

When using Active Directory the user format can be in domain\user or user@domain

LDAP user name	LDAP password
administrator@mylab.local	*****

## Domain name settings

Must be set in FQDN format and not in LDAP DN format (e.g. DC=maxcrc,DC=com) both for Active Directory or LDAP configuration

<input type="radio"/> Active Directory	<input checked="" type="radio"/> LDAP
Domain	
maxcrc.com	

<input checked="" type="radio"/> Active Directory	<input type="radio"/> LDAP
Domain	
mylab.local	

## User DN Pattern

UserDNPattern
uid={0},ou=Dev,ou=IL,ou=Europe,dc=maxcrc,dc=com;uid={0},ou=QA,ou=IL,ou=Europe,dc=maxc

Relevant only for LDAP system, during login the user will be searched **only** in the locations specified.

Multiples locations (OU paths) can be added using semi column separator  
e.g.

**uid={0},ou=LA,ou=North America,dc=maxcrc,dc=com;uid={0},ou=UK,ou=Europe,dc=maxcrc,dc=com**

You can enter MAX of 200 characters in UserDNPattern field

## Group Search Filter

Group Search filter

member={0}



Mandatory for LDAP configurations (used to find the user's group membership), in order to see if different filter is needed check group attributes.

Search results for object: cn=prod,ou=Dev,ou=Sec,ou=Europe,dc=maxcrc,dc=com

Attribute Description	Value
<b>objectClass</b>	<b>top (abstract)</b>
<b>objectClass</b>	<b>groupOfNames (structural)</b>
<b>cn</b>	<b>prod</b>
<b>member</b>	<b>uid=omri,ou=Dev,ou=IL,ou=Europe,dc=maxcrc,dc=com</b>
<b>member</b>	<b>uid=nir,ou=Dev,ou=IL,ou=Europe,dc=maxcrc,dc=com</b>
<b>member</b>	<b>uid=ahaz,ou=Dev,ou=IL,ou=Europe,dc=maxcrc,dc=com</b>
<b>member</b>	<b>uid=yonatana,ou=Dev,ou=IL,ou=Europe,dc=maxcrc,dc=com</b>
<b>member</b>	<b>uid=boris,ou=Dev,ou=IL,ou=Europe,dc=maxcrc,dc=com</b>
<b>member</b>	<b>uid=andreyk,ou=Dev,ou=IL,ou=Europe,dc=maxcrc,dc=com</b>

## Search pattern - Users

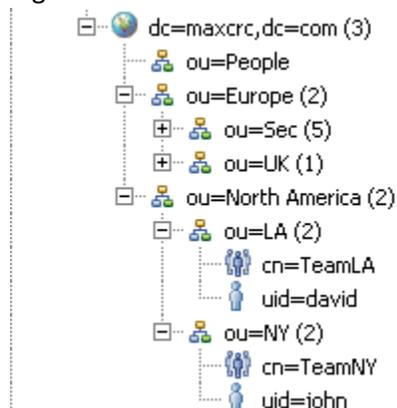
### Search Pattern

User pattern

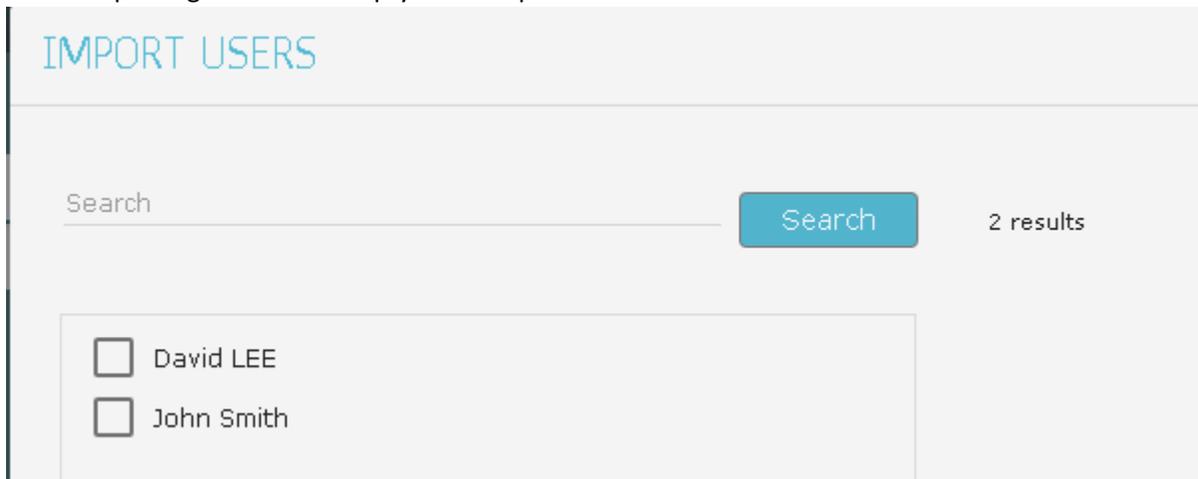
`(&(cn={0}*)((ou:dn:=NY)(ou:dn:=LA)))`

When importing users from LDAP, limit the search and allow you to add free text

e.g. I want to search for users that locate only in two different OUs LA and NY



When importing users with empty search option



IMPORT USERS

Search  Search 2 results

David LEE

John Smith

I can also use the search option to limit the output



IMPORT USERS

Search Dav Search 1 results

David LEE

Note that the filter for users import must be align with the UserDNPattern settings

## Search pattern – Groups

Group pattern

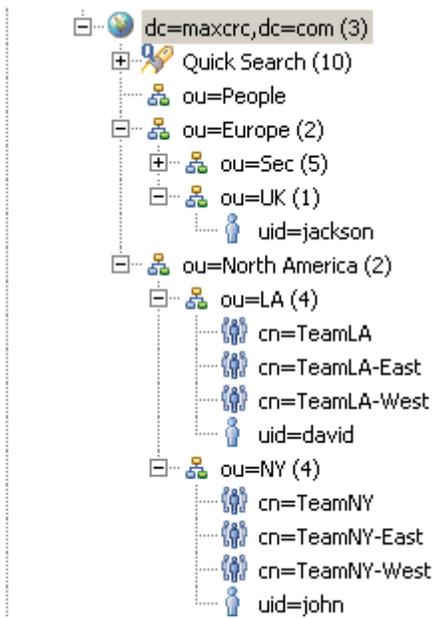
```
(&(cn={0}*)((ou:dn:=NY)(ou:dn:=UK)))
```

Similar to user search pattern.

Note that the filter for groups must be align to Groups search base (In this example groups that part of UK OU will be filtered out since the group search is configured only to include North America OUs

Group search base

```
ou=North America,dc=maxcra,dc=com
```



## IMPORT GROUPS

Search

Search

3 results

- TeamNY
- TeamNY-East
- TeamNY-West

## Troubleshooting and Errors handling

It's recommended to use Test connection button prior saving your new settings, the test connection verify that you can successfully bind to the LDAP system using the values you set for:

- 1.Host
- 2.Port
- 3.Use secure directory connection
- 4.LDAP user name
- 5.LDAP password

Host	Port
jacky-srv	389

Use secure directory connection

LDAP user name: administrator@mylab.local      LDAP password: .....

Active Directory       LDAP

Domain: mylab.local

once the system change to bind you will see **Server is alive** message



### Errors during test connection

In case one or more of the above settings are wrong you will see the wrong configuration sign , when hovering above it you will get more information about the problem.

Host name resolution problem



Network access to LDAP port is blocked (Or the server you use not listening on the configured port)



Trying to work over secure connection without configuring certificate for CDE



Wrong user or password



Trying to work using secure connection but without server certificate (Or LDAP server certificate imported but CDE was not restart yet)



### Errors while trying to save configuration

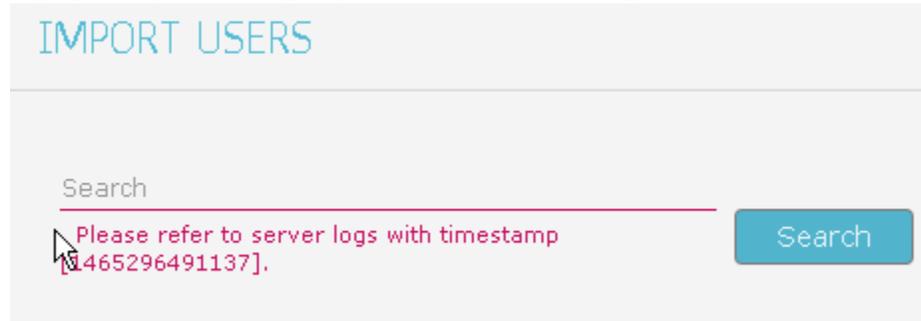
Error message while trying to save user management settings:



This caused by reaching the characters input limit. You will have additional information in cdd-server.log ... Caused by: com.mysql.jdbc.MySQLDataTruncation: Data truncation: Data too long for column 'user\_dn\_pattern'...

## Errors while trying to import users/groups

Trying to import users/groups end with error message

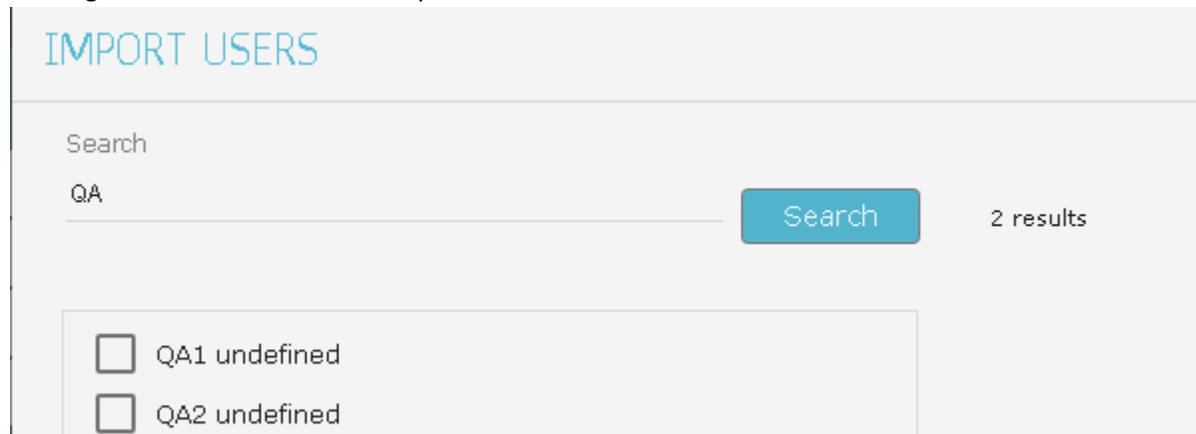


The screenshot shows the 'IMPORT USERS' interface. At the top, the title 'IMPORT USERS' is displayed in blue. Below the title is a search input field with the placeholder text 'Search'. A red error message is displayed below the search field: 'Please refer to server logs with timestamp [1465296491137]'. To the right of the search field is a blue 'Search' button.

You need to check that your search patterns have the write syntax (checking cdd-server.log will show you this this error:

```
http-apr-7080-exec-7] DEBUG c.c.r.auth.ad.DirectoryServicesUtils - Using the query: (&(objectClass=person)(cn=*))  
[http-apr-7080-exec-7] DEBUG c.c.r.auth.ad.DirectoryServicesUtils - Using the search base: dc=mylab,dc=local  
[http-apr-7080-exec-7] WARN c.c.r.auth.ad.DirectoryServicesUtils - Failed to finish retrieving user information  
javax.naming.directory.InvalidSearchFilterException: Unbalanced parenthesis
```

Getting undefined values when import users



The screenshot shows the 'IMPORT USERS' interface. At the top, the title 'IMPORT USERS' is displayed in blue. Below the title is a search input field with the placeholder text 'Search'. The search field contains the text 'QA'. To the right of the search field is a blue 'Search' button. To the right of the search button, the text '2 results' is displayed. Below the search field is a list of search results. The first result is 'QA1 undefined' with an unchecked checkbox. The second result is 'QA2 undefined' with an unchecked checkbox.

Check attribute settings and make sure that match your LDAP settings , in this case the lastname attribute not exist in LDAP

### Attributes Mapping

Unique user ID	Email
sAMAccountName	mail

First name	Last name
givenName	wrong_value

In the LDAP we can see the Last name attribute is sn

sn	User
uSNChanged	67328
distinguishedName	CN=QA1,OU=QA,DC=mylab,DC=local
<b>objectCategory</b>	<b>CN=Person,CN=Schema,CN=Configuration,DC=mylab,DC=local</b>
name	QA1
primaryGroupID	513
sAMAccountName	qa1

### Errors while trying to login

Failed to login with bad LDAP configuration error message:

When user trying to login (user management system configured to work with LDAP) it get the following error message:

```
Bad LDAP configuration DirectoryServer{hostName='RA-NTLY-13979',  
port=389, ssl=false, provider=LDAP,  
admin=cn=manager,dc=maxcrc,dc=com, domain=maxcrc.com,  
status=CONNECTED}
```

Login

The reason can be that the “Group Search filter” is empty or not configured properly

Failed to login with Bad LDAP Configuration message

```
Bad LDAP configuration
```

Login

The user pass authentication successfully but the value for “Unique user ID” attribute does not exist in the LDAP system.