

Open Infrastructure - Task #7764

Dirty LDAP entries

02/22/2020 11:36 AM - Timothée Floure

Status:	Closed	Start date:	02/22/2020
Priority:	Normal	Due date:	
Assignee:	Mondi Ravi	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
PM Check date:			

Description

The customer tree of our production LDAP environment contains dirty entries created by dynamicweb:

- The `uid` field is duplicated and the 'primary' (= used in DN) one is corrupted somehow: @b'intended_username'
 - Looks like python bytestring (or whatever it is called).

Steps:

- fix dynamicweb so that new entries are correct.
- clean existing entries.

Relevant links:

- https://code.ungleich.ch/ungleich-public/dynamicweb/blob/master/utills/ldap_manager.py
- https://code.ungleich.ch/ungleich-public/dynamicweb/merge_requests/722

History

#1 - 02/24/2020 08:26 AM - Timothée Floure

- Assignee changed from Timothée Floure to Mondi Ravi

#2 - 02/24/2020 01:29 PM - Mondi Ravi

Okay, here's the rough code that checks if a given uid has a bytestring type representation, and then modifies it to have the correct value.

```
# import class and constants
from ldap3 import Server, Connection
from django.conf import settings
import ldap3

# define the server
s = ldap3.Server(settings.AUTH_LDAP_SERVER)

# define the connection
c = ldap3.Connection(s, user=settings.LDAP_ADMIN_DN,
                    password=settings.LDAP_ADMIN_PASSWORD,
                    raise_exceptions=True)

c.bind()

# uid to search and modify
uid="coderpurple12gmailcom"

result = c.search(
    search_base=settings.ENTIRE_SEARCH_BASE,
    search_filter='(uid={uid})'.format(uid=uid)
)

entries = c.entries
if entries[0].entry_dn.startswith("uid=b'"):
    dn = entries[0].entry_dn
    new_superior = dn[dn.index(",")+1:]
    c.modify_dn(entries[0].entry_dn, # dn
               "uid={uid}".format(uid=uid), # relative_dn
               True, # delete_old_dn
               new_superior) # new_superior
```

```
print(c.result)

# close the connection
c.unbind()
```

Next step: need to loop through all entries and apply this change.

#3 - 02/24/2020 01:29 PM - Mondri Ravi

- Status changed from New to In Progress

#4 - 02/26/2020 03:25 AM - Mondri Ravi

- Status changed from In Progress to Resolved

This was resolved on 2.10.2b <https://code.ungleich.ch/ungleich-public/dynamicweb/-/tags/2.10.2b> and deployed to production today.

#5 - 02/26/2020 03:30 AM - Mondri Ravi

this is the final code that I used for modifying existing entries.

```
from ldap3 import Server, Connection
from django.conf import settings
import ldap3
import sys

# define the server
s = ldap3.Server(settings.AUTH_LDAP_SERVER)

# define the connection
c = ldap3.Connection(s, user=settings.LDAP_ADMIN_DN,
                    password=settings.LDAP_ADMIN_PASSWORD,
                    raise_exceptions=True)

c.bind()

# uid to search and modify
uid_number_start=10053
uid_number_end=10400
x = range(uid_number_start, uid_number_end, 1)
for uid_number in x:
    print("%s" % uid_number)
    result = c.search(
        search_base=settings.LDAP_CUSTOMER_DN,
        search_filter='(&(objectClass=inetOrgPerson)(objectClass=posixAccount)'
        '(objectClass=top)(uidNumber={uidNumber}))'.format(uidNumber=uid_number),
        attributes=['uid', 'mail']
    )
    entries = c.entries
    if len(entries)>0:
        print(str(entries[0].mail) + " --- " + str(entries[0].entry_dn))
        if entries[0].entry_dn.startswith("uid=b"):
            uid = entries[0].uid[0]
            dn = entries[0].entry_dn
            new_superior = dn[dn.index(",")+1:]
            print("dn=%s, new_superior=%s, uid=%s" % (dn, new_superior, uid))
            c.modify_dn(entries[0].entry_dn, "uid={uid}".format(uid=uid), True, new_superior)
            print(c.result)
        else:
            print("Entry DN %s does not start with b'" % entries[0].entry_dn)
    else:
        print("Could not find an entry for uid_number=%s" % uid_number)
        print("*****")

# close the connection
c.unbind()
```

#6 - 02/26/2020 01:46 PM - Nico Schottelius

redmine@ungleich.ch writes:

#7 - 02/26/2020 01:46 PM - Nico Schottelius

- Status changed from Resolved to Closed

redmine@ungleich.ch writes: