

Exercice 1 :

Outil de configuration des paquets

Configuration de slapd

Veillez indiquer le mot de passe de l'administrateur de l'annuaire LDAP.

Mot de passe de l'administrateur :

<Ok>

Package configuration

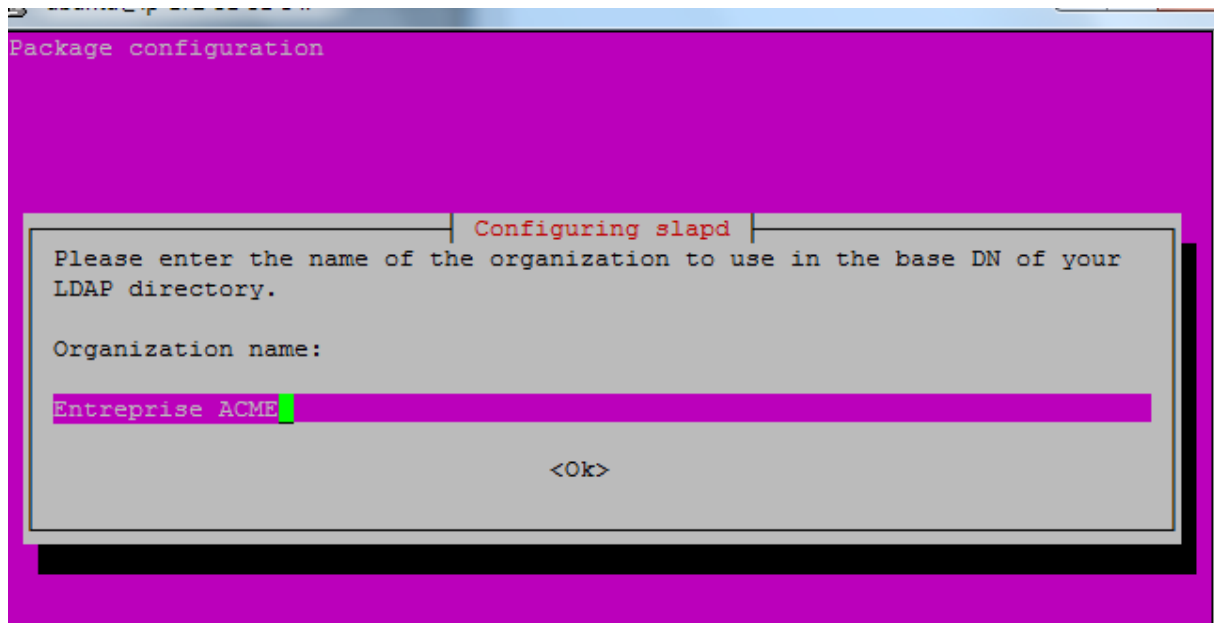
Configuring slapd

The DNS domain name is used to construct the base DN of the LDAP directory. For example, 'foo.example.org' will create the directory with 'dc=foo, dc=example, dc=org' as base DN.

DNS domain name:

ACME.ORG

<Ok>

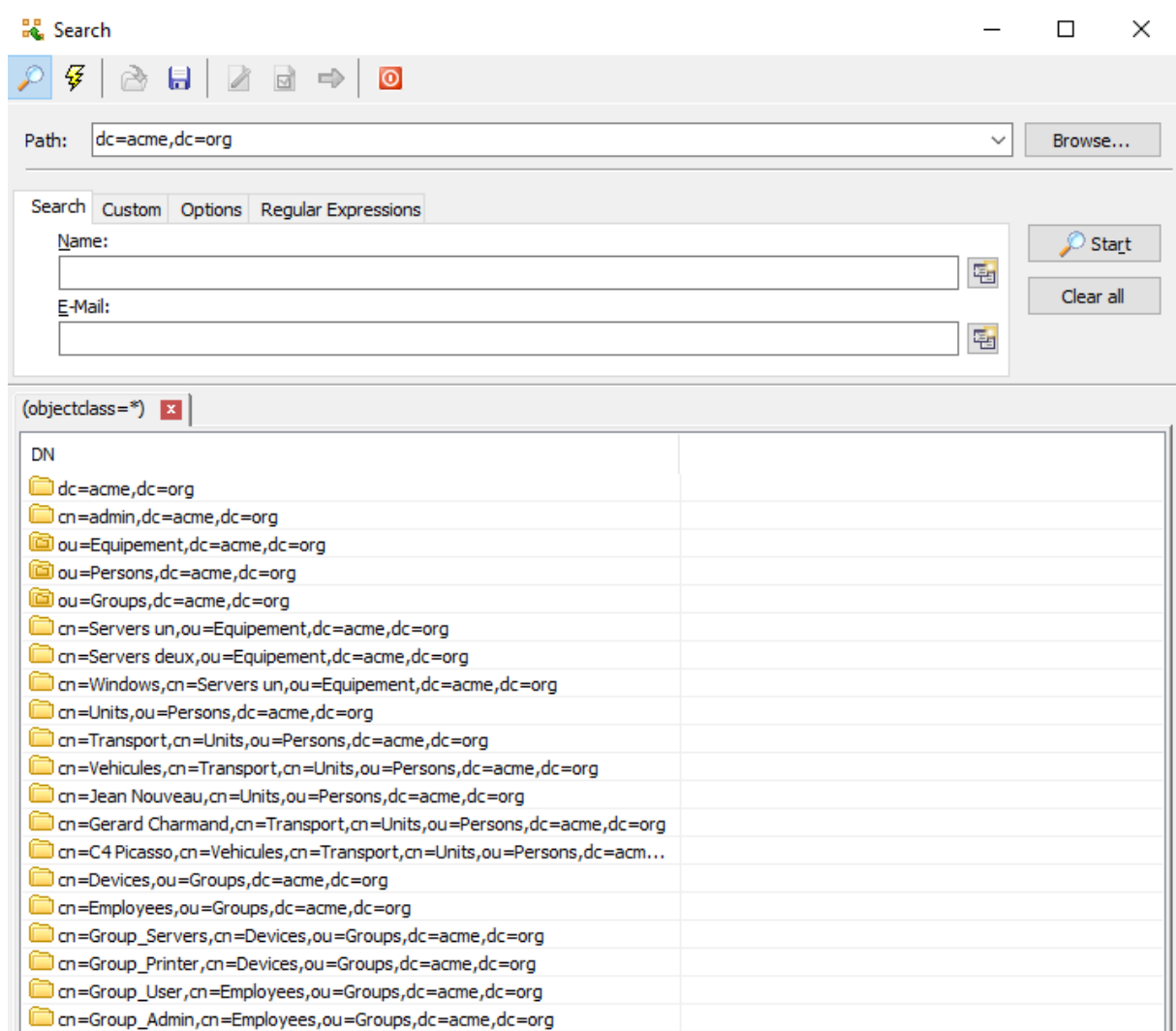


Opération 2 :

```
ubuntu@ip-172-31-31-34:~$ ldapsearch -D "cn=admin,...,dc=ACME,dc=CORP" -w vitrygtr  
-p 389 -h ip-172-31-31-34 -b "dc=ACME,dc=CORP" -s sub "(objectclass=*)" "  
ldap_bind: Invalid DN syntax (34)  
    additional info: invalid DN
```

Requête simplifiée :

```
ubuntu@ip-172-31-31-34:~$ ldapsearch -h localhost "(objectclass=*)" "  
SASL/DIGEST-MD5 authentication started
```



Noms des attributs:

```
ubuntu@ip-172-31-31-34:~$ ldapsearch -h localhost "(objectclass=*)"
SASL/DIGEST-MD5 authentication started
Please enter your password:
ldap_sasl_interactive_bind_s: Invalid credentials (49)
    additional info: SASL(-13): user not found: no secret in database
```

```
# extended LDIF
#
# LDAPv3
# base <dc=acme,dc=org> with scope subtree
# filter: (objectclass=*)
# requesting: objectclass cn
#
# search result
search: 2
result: 32 No such object
# numResponses: 1
```

ldapsearch -x -h localhost -b "dc=acme,dc=org" "(objectclass=*)" objectclass cn

Cn et autres attributs :

```
ubuntu@ip-172-31-31-34:~$ ldapsearch -h localhost "(objectclass=*)" mail cn sn g
ivenname
SASL/DIGEST-MD5 authentication started
Please enter your password:
ldap_sasl_interactive_bind_s: Invalid credentials (49)
    additional info: SASL(-13): user not found: no secret in database
```

Spécification d'un niveau de recherche :

```
ubuntu@ip-172-31-31-34:~$ ldapsearch -s onelevel -h localhost "(objectclass=*)"
SASL/DIGEST-MD5 authentication started
Please enter your password:
ldap_sasl_interactive_bind_s: Invalid credentials (49)
    additional info: SASL(-13): user not found: no secret in database
ubuntu@ip-172-31-31-34:~$
```

Ldapsearch -s onelevel -x -h localhost -b "dc=acme,dc=org" "(objectclass=*)" ou objectclass cn

Recherche avec filtre:

```
ubuntu@ip-172-31-31-34:~$ ldapsearch -D "cn=admin,dc=acme,dc=org" -w vitrygtr -p 389 -h localhost -b "dc=acme,dc=org" -s sub "cn=etudiant1234"
ldap_bind: Invalid DN syntax (34)
    additional info: invalid DN
```

2)

Ldapsearch -x -h localhost -b "dc=acme,dc=org" "(objectclass=*)" objectclass cn

```
# extended LDIF
#
# LDAPv3
# base <dc=acme,dc=org> with scope subtree
# filter: (objectclass=*)
# requesting: objectclass cn
#
# search result
search: 2
result: 32 No such object

# numResponses: 1
```

3)

Ldapsearch -s onelevel -x -h localhost -b "dc=acme,dc=org" "(objectclass=*)" ou objectclass cn

```
ubuntu@ip-172-31-28-214:~$ ldapsearch -s onelevel -x -h localhost -b "dc=acme,dc=org" "(objectclass=*)" ou objectclass cn
# extended LDIF
#
# LDAPv3
# base <dc=acme,dc=org> with scope oneLevel
# filter: (objectclass=*)
# requesting: ou objectclass cn
#
# search result
search: 2
result: 32 No such object

# numResponses: 1
```

5)

`ldapsearch -s sub -x -h localhost -b "dc=acme,dc=org" "cn=Units"`

```
ubuntu@ip-172-31-28-214:~$ ldapsearch -s sub -x -h localhost -b "dc=acme,dc=org" "cn=Units"
# extended LDIF
#
# LDAPv3
# base <dc=acme,dc=org> with scope subtree
# filter: cn=Units
# requesting: ALL
#
# search result
search: 2
result: 32 No such object

# numResponses: 1
```

`ldapsearch -s sub -x -h localhost -b "dc=acme,dc=org" "cn=Persons"`

```
ubuntu@ip-172-31-28-214:~$ ldapsearch -s sub -x -h localhost -b "dc=acme,dc=org" "cn=Persons"
# extended LDIF
#
# LDAPv3
# base <dc=acme,dc=org> with scope subtree
# filter: cn=Persons
# requesting: ALL
#
# search result
search: 2
result: 32 No such object

# numResponses: 1
```

`ldapsearch -b "dc=acme,dc=org" "ou=Persons"-w vitrygtr -p 389 -h localhost "dc=ACME,dc=CORP"`

```
ubuntu@ip-172-31-28-214:~$ ldapsearch -b "dc=acme,dc=org" "ou=Persons"-w vitrygtr -p 389 -h localhost "dc=ACME,dc=CORP"
SASL/DIGEST-MD5 authentication started
Please enter your password:
ldap_sasl_interactive_bind_s: Invalid credentials (49)
    additional info: SASL(-13): user not found: no secret in database
ubuntu@ip-172-31-28-214:~$
```

`ldapsearch -x -h localhost -b "dc=acme,dc=org" -f Persons.ldif sn givenname`

```
ubuntu@ip-172-31-28-214:~$ ldapsearch -x -h localhost -b "dc=acme,dc=org" -f Persons.ldif sn givenname
# extended LDIF
#
# LDAPv3
# base <dc=acme,dc=org> with scope subtree
# filter pattern: (objectclass=*)
# requesting: sn givenname
#
# filter: (objectclass=*)
#
# search result
search: 2
result: 32 No such object

# numResponses: 1
```

8)

`ldapsearch -x -h localhost -b "dc=acme,dc=org" "(mail=*)"`

```

ubuntu@ip-172-31-28-214:~$ ldapsearch -x -h localhost -b "dc=acme,dc=org" "(mail=*)"
# extended LDIF
#
# LDAPv3
# base <dc=acme,dc=org> with scope subtree
# filter: (mail=*)
# requesting: ALL
#
# search result
search: 2
result: 32 No such object
# numResponses: 1

```

ldapsearch -x -h localhost -b "dc=acme,dc=org" "(mail=*@*)"

ldapsearch -x -h localhost -b "dc=acme,dc=org" "(sn=Nouveau)"

ldapsearch -x -h localhost -b "dc=acme,dc=org" "(sn=G)"

ldapsearch -x -h localhost -b "dc=acme,dc=org" "(cn=*u*a*)"

ldapsearch -x -h localhost -b "dc=acme,dc=org" "(telephonenumber=*555)"

ldapsearch -x -h localhost -b "dc=acme,dc=org" "(objectclass=persons)"

9)

ldapsearch -x -h localhost -b "dc=acme,dc=org" "(&(mail=*)(cn=*u)(sn=N*))"

ldapsearch -x -h localhost -b "dc=acme,dc=org" "(|(sn=a*)(sn=b*)(sn=c*))"

ldapsearch -x -h localhost -b "dc=acme,dc=org" "(!{(sn=a*)})"

ldapsearch -x -h localhost -b "dc=acme,dc=org" "(&(!{(sn=a*)})(!(sn=b*)))"

ldapsearch -x -h localhost -b "dc=acme,dc=org" "(&ammp;(sn=*a)(!(sn=s*)))"

ldapsearch -x -h localhost -b "dc=acme,dc=org" "(&(sn=a*)(sn=b*)(sb=c*))"

10)

ldapsearch -x -h localhost -b "dc=acme,dc=org" "(homedir=/home/etudiant)"

ldapsearch -x -h localhost -b "dc=acme,dc=org" "(description=\28\29)"

ldapsearch -x -h localhost -b "dc=acme,dc=org" "(group=\5b\04)"

11)

ldapsearch -x -h localhost -b "dc=acme,dc=org" "l=Groupe_Admin, dc=acme,dc=org"
 "(objectclass=*)"

```
ubuntu@ip-172-31-28-214:~$ ldapsearch -x -h localhost -b "dc=acme,dc=org" "I=Groupe_Admin, dc=acme,dc=org" "(objectclass=*)"
# extended LDIF
#
# LDAPv3
# base <dc=acme,dc=org> with scope subtree
# filter: I=Groupe_Admin, dc=acme,dc=org
# requesting: (objectclass=*)
#
# search result
search: 2
result: 32 No such object

# numResponses: 1
ubuntu@ip-172-31-28-214:~$
```

12)

ldapsearch -x -h localhost -b "dc=acme,dc=org" -b "cn=schema" -s base "objectclass=*"

```
ubuntu@ip-172-31-28-214:~$ ldapsearch -x -h localhost -b "dc=acme,dc=org" -b "cn=schema" -s base "objectclass=*"
# extended LDIF
#
# LDAPv3
# base <cn=schema> with scope baseObject
# filter: objectclass=*
# requesting: ALL
#
# search result
search: 2
result: 32 No such object

# numResponses: 1
ubuntu@ip-172-31-28-214:~$
```

15)

ldapsearch -x -h localhost -s base -b "" +

```

# extended LDIF
#
# LDAPv3
# base <> with scope baseObject
# filter: (objectclass=*)
# requesting: +
#
#
dn:
structuralObjectClass: OpenLDAPRootDSE
configContext: cn=config
namingContexts: dc=acme,dc=org
supportedControl: 2.16.840.1.113730.3.4.18
supportedControl: 2.16.840.1.113730.3.4.2
supportedControl: 1.3.6.1.4.1.4203.1.10.1
supportedControl: 1.3.6.1.1.22
supportedControl: 1.2.840.113556.1.4.319
supportedControl: 1.2.826.0.1.3344810.2.3
supportedControl: 1.3.6.1.1.13.2
supportedControl: 1.3.6.1.1.13.1
supportedControl: 1.3.6.1.1.12
supportedExtension: 1.3.6.1.4.1.4203.1.11.1
supportedExtension: 1.3.6.1.4.1.4203.1.11.3
supportedExtension: 1.3.6.1.1.8
supportedFeatures: 1.3.6.1.1.14
supportedFeatures: 1.3.6.1.4.1.4203.1.5.1
supportedFeatures: 1.3.6.1.4.1.4203.1.5.2
supportedFeatures: 1.3.6.1.4.1.4203.1.5.3
supportedFeatures: 1.3.6.1.4.1.4203.1.5.4
supportedFeatures: 1.3.6.1.4.1.4203.1.5.5
supportedLDAPVersion: 3
supportedSASLMechanisms: DIGEST-MD5
supportedSASLMechanisms: NTLM
supportedSASLMechanisms: CRAM-MD5
entryDN:
subschemaSubentry: cn=Subschema

# search result
search: 2
result: 0 Success

# numResponses: 2

```

16)

`ldapsearch x -h localhost -s base -b "" "cn=subschema" "(objectclass=*)"`

```

ubuntu@ip-172-31-28-214:~$ ldapsearch x -h localhost -s base -b "" "cn=subschema" "(objectclass=*)"
SASL/DIGEST-MD5 authentication started
Please enter your password:
ldap_sasl_interactive_bind_s: Invalid credentials (49)
    additional info: SASL(-13): user not found: no secret in database
ubuntu@ip-172-31-28-214:~$

```