Configuració d'LDAP per a Gestió d'Usuaris i Grups

Activitat 1

Crear una unitat organitzativa anomenada IAB dins del directori LDAP

dungeonofbits.

```
zulema@ldapserver:~$ ldapadd -x -D "cn=admin,dc=dungeonofbits,dc=com" -W -f uo.l
dif
Enter LDAP Password:
adding new entry "ou=IAB, dc=dungeonofbits,dc=com"

zulema@ldapserver:~$ sudo slapcat
[sudo] password for zulema:
dn: dc=dungeonofbits,dc=com
objectClass: top
objectClass: dcObject
objectClass: organization
o: dungeonofbits
dc: dungeonofbits
structuralObjectClass: organization
entryUUID: 02fb0802-62bf-103f-83d2-33f7266f3b87
creatorsName: cn=admin,dc=dungeonofbits,dc=com
createTimestamp: 20250109101953Z
entryCSN: 20250109101953.605253Z#000000#000#000000
modifiersName: cn=admin,dc=dungeonofbits,dc=com
modifyTimestamp: 20250109101953Z

dn: ou=IAB,dc=dungeonofbits,dc=com
objectClass: organizationalUnit
ou: IAB
structuralObjectClass: organizationalUnit
entryUUID: caa9990c-66ae-103f-84ef-2b8a06d00ddb
creatorsName: cn=admin,dc=dungeonofbits,dc=com
createTimestamp: 20250114103351Z
entryCSN: 20250114103351.822606Z#000000#000#000000
modifiersName: cn=admin,dc=dungeonofbits,dc=com
modifyTimestamp: 20250114103351Z

zulema@ldapserver:~$ 
```

```
zulema@ldapserver:~$ sudo cat uo.ldif
dn: ou=IAB, dc=dungeonofbits,dc=com
objectClass: organizationalUnit
ou: IAB
zulema@ldapserver:~$ 
```

Hem creat el arxiu amb la unitat organizativa.

Activitat 2

Crear un grup dins d'aquesta unitat anomenat 2SMXB. El idNumber haurà de ser el 5001

```
zulema@ldapserver:~$ sudo nano group.ldif
zulema@ldapserver:~$ ldapadd -x -D cn=admin,dc=dungeonofbits,dc=com -W -f group.
ldif
Enter LDAP Password:
adding new entry "cn=2SMXB,ou=unidad,dc=dungeonofbits,dc=com"
ldap_add: Undefined attribute type (17)
        additional info: cd: attribute type undefined

zulema@ldapserver:~$ sudo slapcat
dn: dc=dungeonofbits,dc=com
objectClass: top
objectClass: dcObject
objectClass: organization
o: dungeonofbits
dc: dungeonofbits
structuralObjectClass: organization
entryUUID: 02fb0802-62bf-103f-83d2-33f7266f3b87
creatorsName: cn=admin,dc=dungeonofbits,dc=com
createTimestamp: 20250109101953Z
entryCSN: 20250109101953.605253Z#000000#000#000000
modifiersName: cn=admin,dc=dungeonofbits,dc=com
modifyTimestamp: 20250109101953Z

dn: ou=IAB,dc=dungeonofbits,dc=com
objectClass: organizationalUnit
ou: IAB
structuralObjectClass: organizationalUnit
entryUUID: caa9990c-66ae-103f-84ef-2b8a06d00ddb
creatorsName: cn=admin,dc=dungeonofbits,dc=com
createTimestamp: 20250114103351Z
entryCSN: 20250114103351.822606Z#000000#000#000000
modifiersName: cn=admin,dc=dungeonofbits,dc=com
modifyTimestamp: 20250114103351Z

zulema@ldapserver:~$
```

```
zulema@ldapserver:~$ sudo cat group.ldif
dn: cn=2SMXB,ou=IAB,dc=dungeonofbits,dc=com
objectClass: top
objectClass: posixGroup
gidNumber: 5001
cd: 2SMXB
zulema@ldapserver:~$
```

Hem creat el arxiu amb el grup.

Activitat 3

Afegir tres usuaris a aquest grup amb contrasenyes segures.

Identificador unic - Cognom - Nom comú – uidNumer – homeDirectory – Contrasenya - Email (amb domini iaballester.cat)

```
zulema@ldapserver:~$ sudo nano usuari.ldif
zulema@ldapserver:~$ ldapadd -x -D cn=admin,dc=dungeonofbits,dc=com -W -f usuari
.ldif
Enter LDAP Password:
adding new entry "uid=xavi, ou=IAB, dc=dungeonofbits,dc=com"
ldap_add: Undefined attribute type (17)
        additional info: gigNumber: attribute type undefined

zulema@ldapserver:~$ sudo slapcat
dn: dc=dungeonofbits,dc=com
objectClass: top
objectClass: dcObject
objectClass: organization
o: dungeonofbits
dc: dungeonofbits
structuralObjectClass: organization
entryUUID: 02fb0802-62bf-103f-83d2-33f7266f3b87
creatorsName: cn=admin,dc=dungeonofbits,dc=com
createTimestamp: 20250109101953Z
entryCSN: 20250109101953.605253Z#000000#000#000000
modifiersName: cn=admin,dc=dungeonofbits,dc=com
modifyTimestamp: 20250109101953Z

dn: ou=IAB,dc=dungeonofbits,dc=com
objectClass: organizationalUnit
ou: IAB
structuralObjectClass: organizationalUnit
entryUUID: caa9990c-66ae-103f-84ef-2b8a06d00ddb
creatorsName: cn=admin,dc=dungeonofbits,dc=com
createTimestamp: 20250114103351Z
entryCSN: 20250114103351.822606Z#000000#000#000000
modifiersName: cn=admin,dc=dungeonofbits,dc=com
modifyTimestamp: 20250114103351Z

zulema@ldapserver:~$
```

```
dn: uid=xavi,ou=IAB,dc=dungeonofbits,dc=com
objectClass: top
objectClass: posixAccount
objectClass: inetOrgPerson
objectClass: person
cn: xavi
uid: xavi
ou: 2SMXB
uidNumber: 2000
gidNumber: 5001
homeDirectory: /home/xavi
loginShell: /bin/bash
userPassword:: e1NTSEF9Z0JVOGFDL2ZpeWV4enRDcExmdkNuMTY2UEFXT2U1ZTM=
sn: Sancho
mail: x.sancho@iaballester.cat
givenName: xavi
structuralObjectClass: inetOrgPerson
entryUUID: da7623aa-66b3-103f-84f1-2b8a06d00ddb
creatorsName: cn=admin,dc=dungeonofbits,dc=com
createTimestamp: 20250114111005Z
entryCSN: 20250114111005.812586Z#000000#000#000000
modifiersName: cn=admin,dc=dungeonofbits,dc=com
modifyTimestamp: 20250114111005Z
```

```
dn: uid=sara,ou=IAB,dc=dungeonofbits,dc=com
objectClass: top
objectClass: posixAccount
objectClass: inetOrgPerson
objectClass: person
cn: sara
uid: sara
ou: 2SMXB
uidNumber: 2001
gidNumber: 5001
homeDirectory: /home/sara
loginShell: /bin/bash
userPassword:: e1NTSEF9Z0JVOGFDL2ZpeWV4enRDcExmdkNuMTY2UEFXT2U1ZTM=
sn: Marques
mail: s.marques@iaballester.cat
givenName: sara
structuralObjectClass: inetOrgPerson
entryUUID: d5c0db5c-66b3-103f-84f0-2b8a06d00ddb
creatorsName: cn=admin,dc=dungeonofbits,dc=com
createTimestamp: 20250114110957Z
entryCSN: 20250114110957.913646Z#000000#000#000000
modifiersName: cn=admin,dc=dungeonofbits,dc=com
modifyTimestamp: 20250114110957Z
```

Hem creat el arxiu amb el usuari, ho hem de fer 3 vegades canviant els noms.

Activitat 4

Modifica el mail del primer usuari del domini iaballester.cat al domini dungeonofbits.com.

```
dn: uid=xavi,ou=IAB,dc=dungeonofbits,dc=com
objectClass: top
objectClass: posixAccount
objectClass: inetOrgPerson
objectClass: person
cn: xavi
uid: xavi
ou: 2SMXB
uidNumber: 2000
gidNumber: 5001
homeDirectory: /home/xavi
loginShell: /bin/bash
userPassword:: e1NTSEF9Z0JVOGFDL2ZpeWV4enRDcExmdkNuMTY2UEFXT2U1ZTM=
sn: Sancho
givenName: xavi
structuralObjectClass: inetOrgPerson
entryUUID: da7623aa-66b3-103f-84f1-2b8a06d00ddb
creatorsName: cn=admin,dc=dungeonofbits,dc=com
createTimestamp: 20250114111005Z
mail: x.sancho@gungeonofbits.com
entryCSN: 20250114111433.524546Z#000000#000#000000
modifiersName: cn=admin,dc=dungeonofbits,dc=com
modifyTimestamp: 20250114111433Z
```

Aquí podem veure com hem modificat el mail.

Activitat 5

Canvia el nom del grup de 2SMXB a ElMillorGrupSMX.

```
dn: cn=ElMillorGrupSMX,ou=IAB,dc=dungeonofbits,dc=com
objectClass: top
objectClass: posixGroup
gidNumber: 5001
structuralObjectClass: posixGroup
entryUUID: b5cc523e-66b5-103f-84f2-2b8a06d00ddb
creatorsName: cn=admin,dc=dungeonofbits,dc=com
createTimestamp: 20250114112323Z
cn: ElMillorGrupSMX
entryCSN: 20250114112501.552202Z#000000#000#000000
modifiersName: cn=admin,dc=dungeonofbits,dc=com
modifyTimestamp: 20250114112501Z

zulema@ldapserver:~$
```

Activitat 6

Elimina l'últim usuari que has creat.

```
zulema@ldapserver:~$ ldapdelete -x -W -D cn=admin,dc=dungeonofbits,dc=com "uid=s
ara,ou=IAB,dc=dungeonofbits,dc=com"
Enter LDAP Password:
zulema@ldapserver:~$ ldapsearch -xLLL -b "dc=dungeonofbits,dc=com" uid=sara mail
zulema@ldapserver:~$
```