
Configure PPolicy

Configure Password Policy in slapd.conf

In the global section add the following to the included schemas:

```
sudo vi /opt/symas/etc/openldap/slapd.conf
include /opt/symas/etc/openldap/schema/ppolicy.schema
```

And add the following to the modules list:

```
moduleload ppolicy.la
```

Add the following to the MDB section below the maxsize setting:

```
overlay ppolicy
ppolicy_default "cn=passwordDefault,ou=Policies,dc=example,dc=com"
ppolicy_forward_updates
```

Restart solserver to make the changes take effect

```
sudo service solserver restart
```

Add Password Policies Group to Database

Create a ppolicy ldif with the content below to add the password policy settings to the database

```
sudo vi /opt/symas/etc/openldap/ppolicy.ldif
dn: ou=Policies,dc=example,dc=com
ou: Policies
objectClass: organizationalUnit

dn: cn=passwordDefault,ou=Policies,dc=example,dc=com
objectClass: pwdPolicy
objectClass: person
objectClass: top
cn: passwordDefault
sn: passwordDefault
pwdAttribute: userPassword
pwdCheckQuality: 1
pwdMinAge: 0
pwdMaxAge: 0
pwdMinLength: 6
pwdInHistory: 5
pwdMaxFailure: 3
pwdFailureCountInterval: 0
pwdLockout: TRUE
pwdLockoutDuration: 0
pwdAllowUserChange: TRUE
pwdExpireWarning: 0
pwdGraceAuthNLimit: 0
pwdMustChange: FALSE
pwdSafeModify: FALSE

dn: cn=passwordSpecial,ou=Policies,dc=example,dc=com
objectClass: pwdPolicy
objectClass: person
objectClass: top
cn: passwordSpecial
sn: passwordSpecial
pwdAttribute: userPassword
```



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```
pwdCheckQuality: 1
pwdMinAge: 0
pwdMaxAge: 0
pwdMinLength: 10
pwdInHistory: 5
pwdMaxFailure: 10
pwdFailureCountInterval: 0
pwdLockout: TRUE
pwdLockoutDuration: 0
pwdAllowUserChange: TRUE
pwdExpireWarning: 0
pwdGraceAuthNLimit: 0
pwdMustChange: FALSE
pwdSafeModify: FALSE
```

Import the policies using an `ldapadd` command

```
ldapadd -x -H ldap://localhost -D dc=example,dc=com -w secret -f
/opt/symas/etc/openldap/ppolicy.ldif
```

Apply Policies to Specific Users

Apply the special password policy to Aarika Wolfman with the following LDIF

```
ldapmodify -x -H ldap://localhost -D dc=example,dc=com -w secret
dn: cn=Aarika Wolfman,ou=Peons,dc=example,dc=com
changetype: modify
add: pwdPolicySubentry
pwdPolicySubentry: cn=passwordSpecial,ou=Policies,dc=example,dc=com
```

Extra **Enter** to execute

Ctrl+d to terminate

Test the special policy is in force by attempting to change Aarika Wolfman's password

```
ldappasswd -x -H ldap://localhost -D "cn=Aarika
Wolfman,ou=Peons,dc=example,dc=com" -W -S
```

Set the password to `1234567`

Existing password is `namflowaki`

This should violate the minimum length setting of the special policy but not the default policy and the command should, therefore, fail.

Force Password Reset

To force reset of password on a user group in LDAP create a `passwordReset` policy and then add that policy to the users who need their password reset.

Create Password Reset Policy

```
ldapadd -x -H ldap://localhost -D dc=example,dc=com -w secret
dn: cn=passwordReset,ou=Policies,dc=example,dc=com
objectClass: pwdPolicy
objectClass: person
objectClass: top
cn: passwordReset
sn: passwordReset
pwdAttribute: userPassword
pwdReset: True
pwdMustChange: TRUE
```

Extra **Enter** to execute



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Ctrl+d to terminate

Apply the Password Reset Policy to a User

```
ldapmodify -x -H ldap://localhost -D dc=example,dc=com -w secret
dn: cn=My User,ou=People,dc=example,dc=com
changetype: modify
add: pwdPolicySubentry
pwdPolicySubentry: cn=passwordReset,ou=Policies,dc=example,dc=com
```

Extra **Enter** to execute

Ctrl+d to terminate