Manage password policy in OpenLDAP



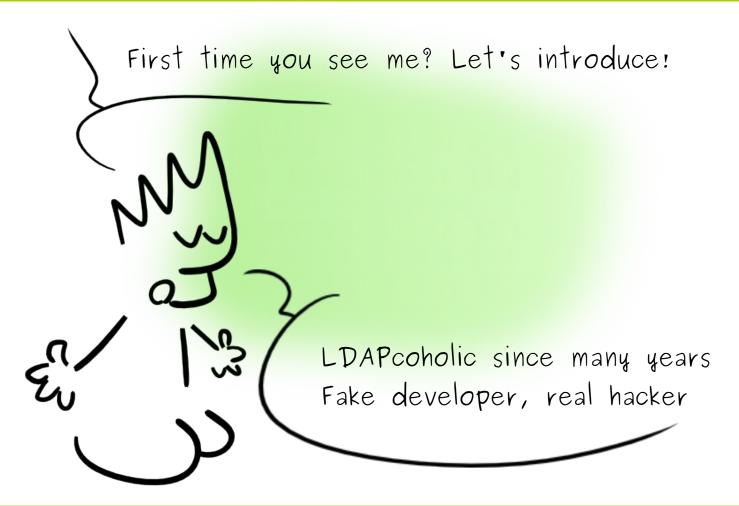






















Let's begin with the password policy draft (Behera draft)









A draft? Is it not a standard?

Well, not really.

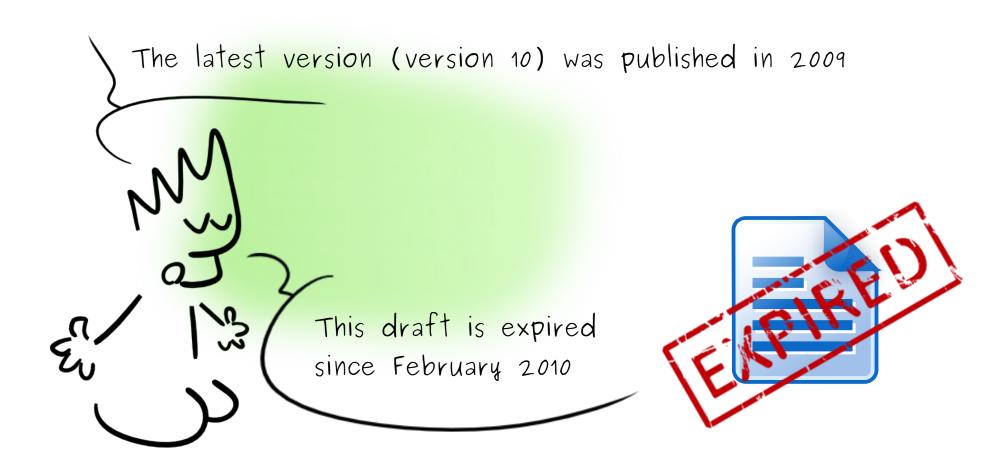
The first draft (version o)

was written in 1999.







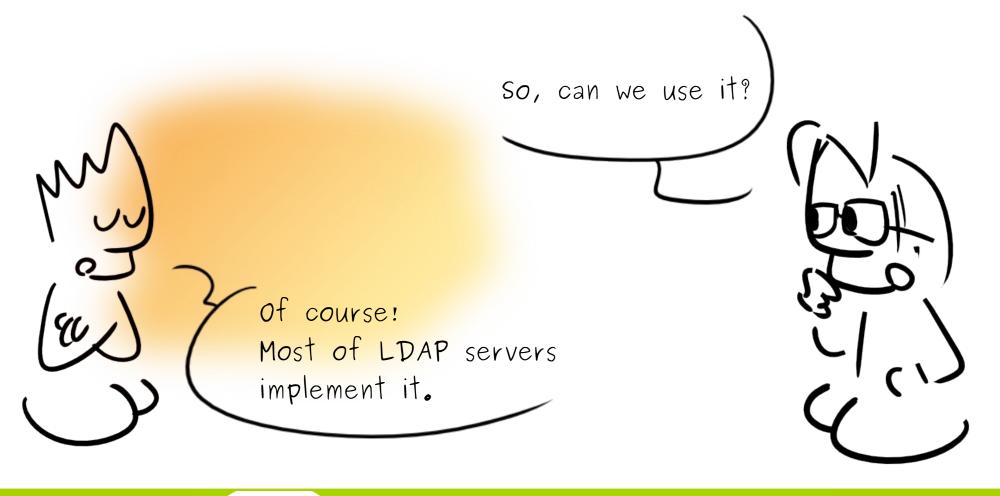
























What are you waiting for? Explain me how it works!





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Ok, let me do the LDAP client. You will play the LDAP server.









Ok, I send you an BIND operation with the extended control 1.3.6.1.4.1.42.2.27.8.5.1

I see your password is expired, \ I refuse the BIND and I send a flag in the response control.

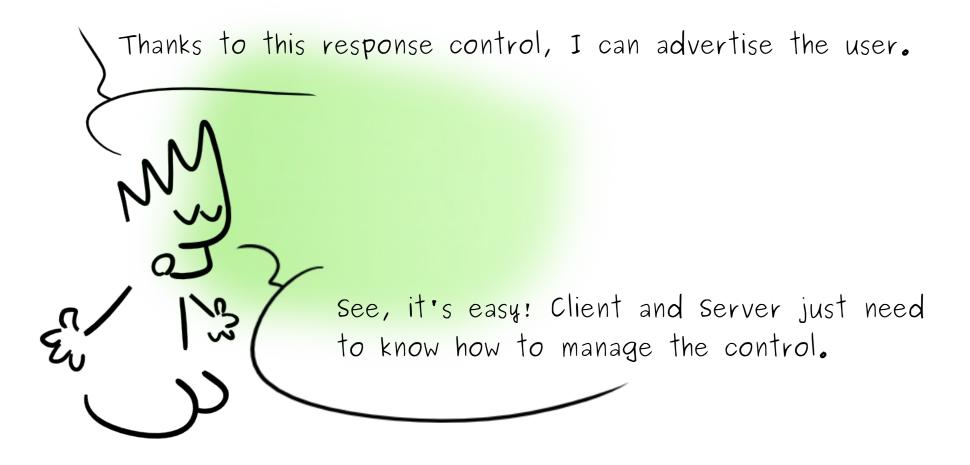




















With which LDAP operations can we use this control?

BIND for authentication.

MOD and PASSMOD for password change.













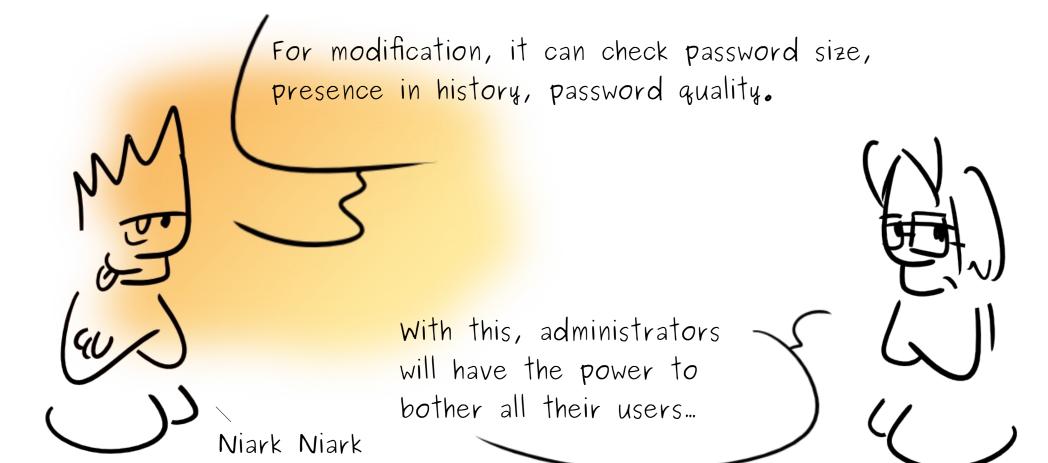
For authentication, it defines account locking, password expiration and password reset









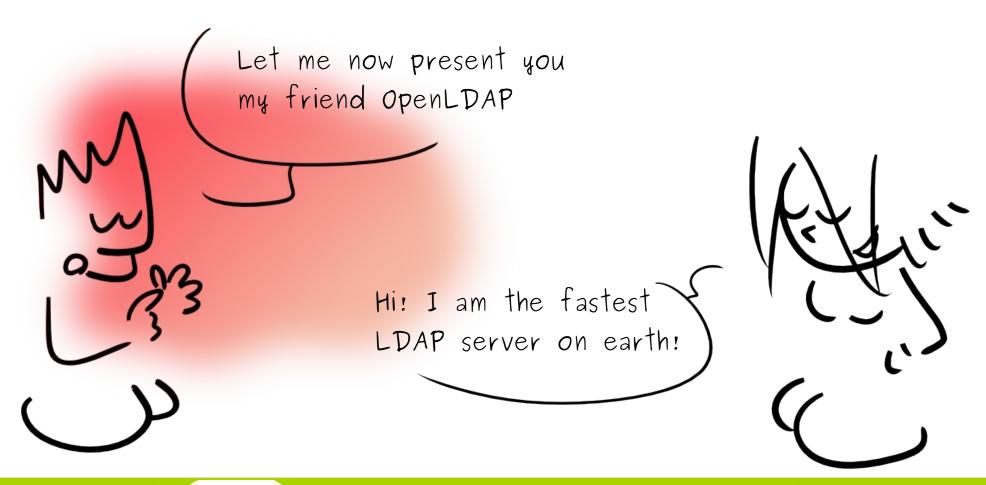










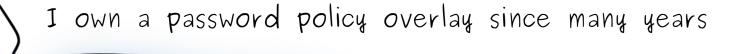






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I support version 9 of the Behera draft and let the possibility to implement a custom password checker module











I imagine that configuring password policy overlay is a nightmare!

Calm down, you just need a brain!

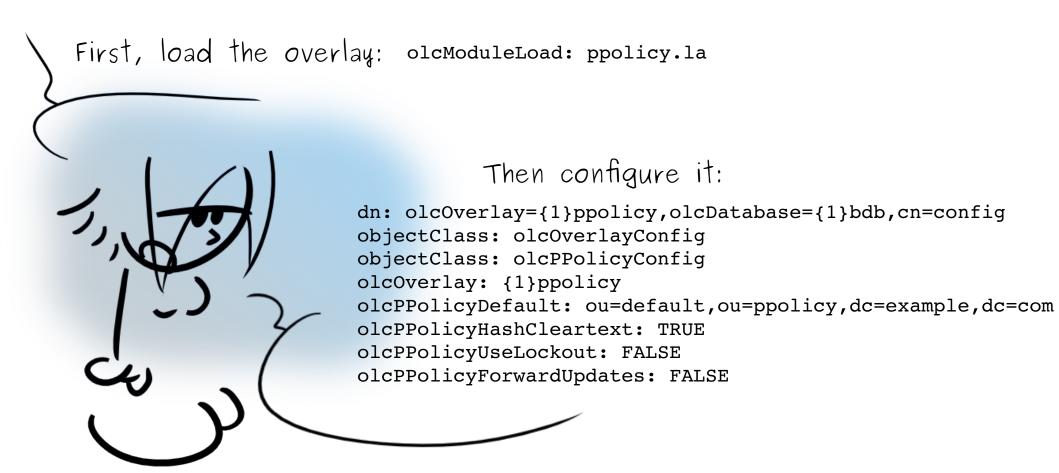






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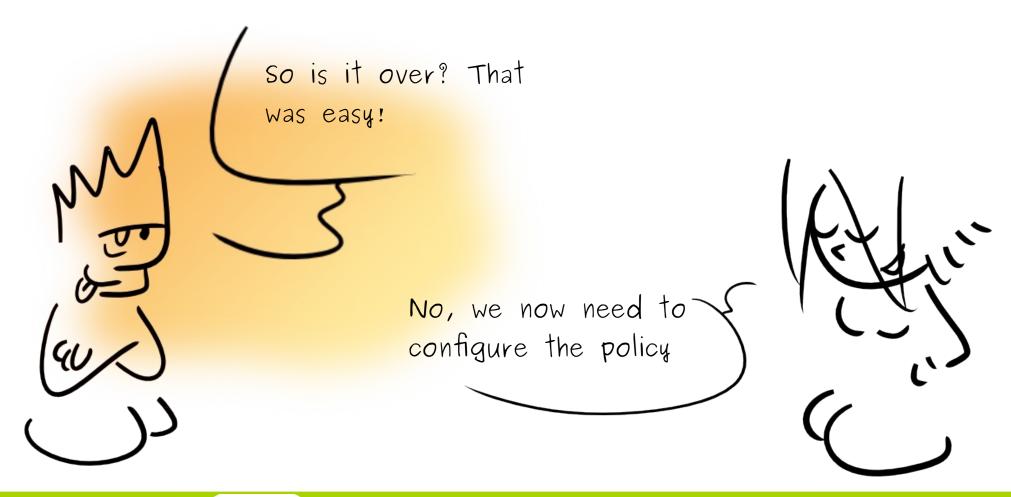








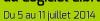














Policy configuration is an entry in the LDAP directory



The first lines of the entry are:

dn: ou=default,ou=ppolicy,dc=example,dc=com

objectClass: pwdPolicy

objectClass: pwdPolicyChecker
objectClass: organizationalUnit

objectClass: top

ou: default









pwdAllowUserChange: TRUE

pwdAttribute: userPassword

pwdCheckModule: check_password.so

pwdCheckQuality: 2
pwdExpireWarning: 0

pwdInHistory: 10
pwdLockout: TRUE

pwdMaxAge: 31536000

pwdMinAge: 600

pwdMaxFailure: 10

pwdMinLength: 8

pwdMustChange: TRUE

PwdSafeModify : FALSE

Then all parameters are attributes of this entry

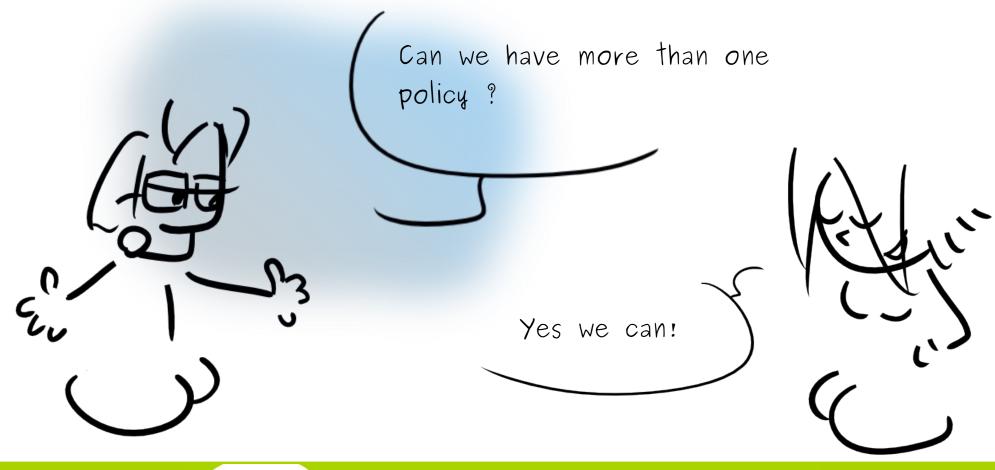






















Just create another policy configuration entry



Then link it to a user account:

dn: uid=bobama,ou=users,dc=example,dc=com

objectClass: inetOrgPerson

objectClass: organizationalPerson

ObjectClass : person

objectClass: top

uid : bobama

cn : Barack OBAMA

sn : OBAMA

userPassword: michellemabelle

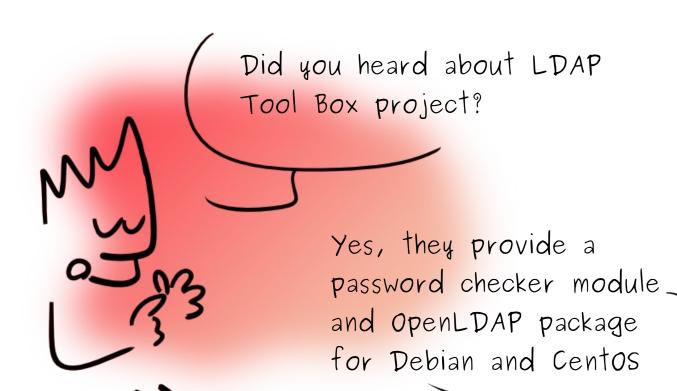
pwdPolicySubentry : ou=nsa,ou=ppolicy,dc=example,dc=com





















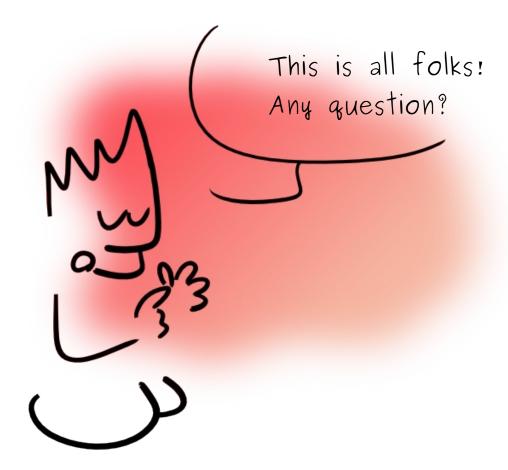


























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