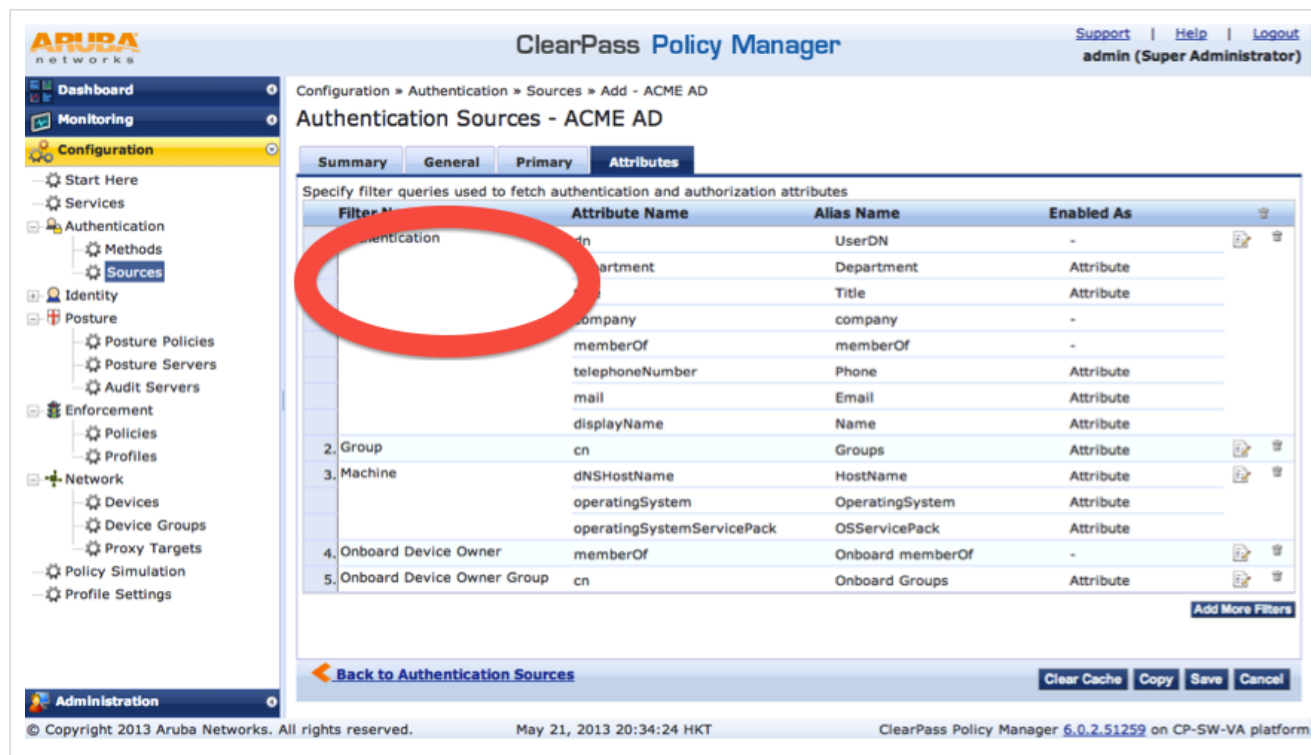# Preventing AD account lockout for ClearPass

Preventing AD account being locked out by 5 failed auth's via WLAN/Network/Web-Auth

Method: CPPM sends authentication to AD subject to badPwdCount counter in LDAP

Caveat: This won't prevent AD account lock outs by other applications, e.g. Exchange email client

1. Checking on the bad password counter (badPwdCount)

Under Authentication > Sources > [ldap/AD server] > Attributes Click on Filter Name - Authentication
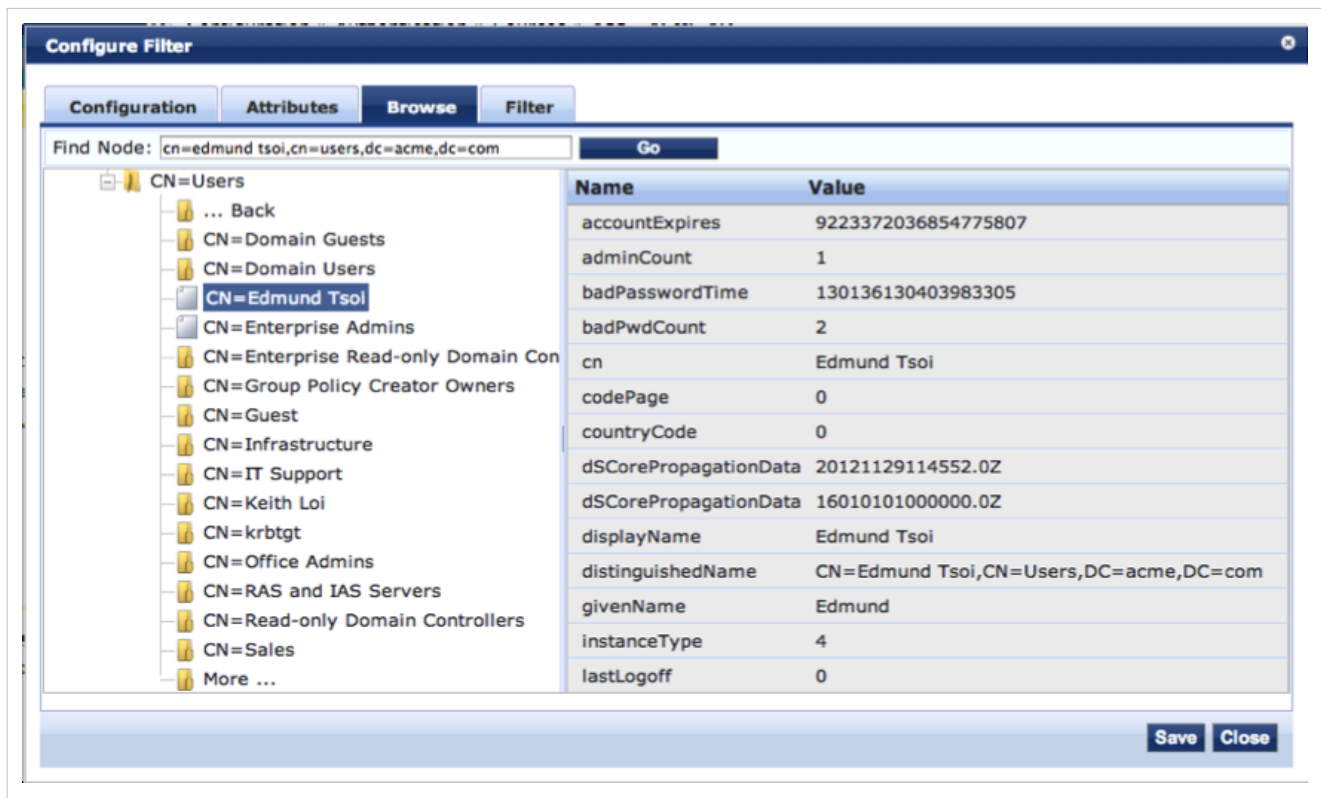

Browse the user info > badPwdCount

Configure Filter ⊗

Configuration	Attributes	**Browse**	Filter

Find Node: `cn=edmund tsoi,cn=users,dc=acme,dc=com`   **Go**

- CN=Users
  - ... Back
  - CN=Domain Guests
  - CN=Domain Users
  - **CN=Edmund Tsoi**
  - CN=Enterprise Admins
  - CN=Enterprise Read-only Domain Con
  - CN=Group Policy Creator Owners
  - CN=Guest
  - CN=Infrastructure
  - CN=IT Support
  - CN=Keith Loi
  - CN=krbtgt
  - CN=Office Admins
  - CN=RAS and IAS Servers
  - CN=Read-only Domain Controllers
  - CN=Sales
  - More ...

Name	Value
accountExpires	9223372036854775807
adminCount	1
badPasswordTime	130136130403983305
badPwdCount	2
cn	Edmund Tsoi
codePage	0
countryCode	0
dSCorePropagationData	20121129114552.0Z
dSCorePropagationData	16010101000000.0Z
displayName	Edmund Tsoi
distinguishedName	CN=Edmund Tsoi,CN=Users,DC=acme,DC=com
givenName	Edmund
instanceType	4
lastLogoff	0

Save   **Close**

2. Add the logic into Filter Query

By adding "!(badPwdCount >=4)" into the filter Query, CPPM will not send authentication to AD LDAP if a user has badPwdCount which is not >=4.

The entire filter query is as below: (&(& (sAMAccountName=%{Authentication:Username})(objectClass=user))(!(badPwdCount>=4)))

Article Sources and Contributors

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