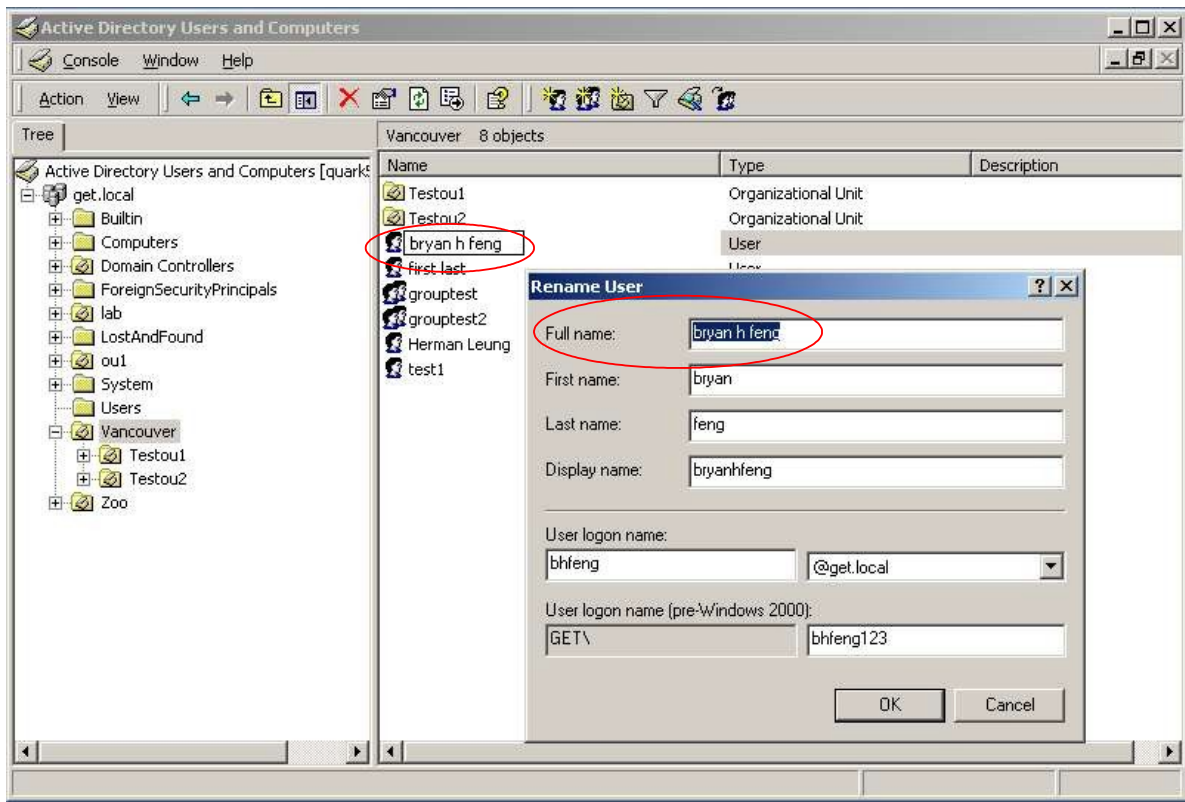


Configuring LDAP authentication using simple or regular binding

Beginning with FortiOS v3.0 MR4, both regular and simple (sAMAccountName) binding is supported. Prior to FortiOS 3.00 MR6, configuration of regular binding had to be done in the CLI only. Regular binding can now be configured in both the web-based manager GUI and the CLI.

When simple binding is used, a user can be authenticated by Full name, Display name, or User logon name.

Active Directory configuration



Configuring LDAP authentication using FortiOS web-based manager

The screenshot shows the 'Edit LDAP Server' configuration window in the FortiOS web-based manager. The fields are filled with the following values:

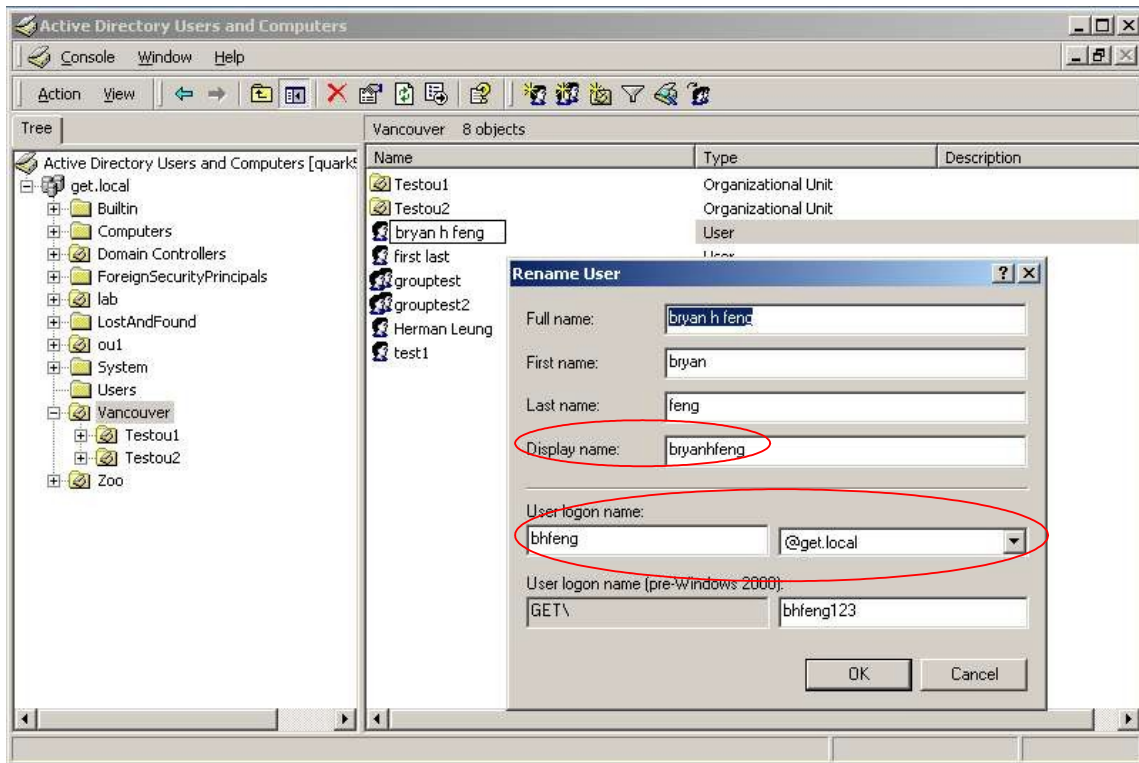
Field	Value
Name	ldapuser1
Server Name/IP	10.151.0.35
Server Port	389
Common Name Identifier	cn
Distinguished Name	ou=Vancouver,dc=get,dc=local
Bind Type	Simple
Secure Connection	<input type="checkbox"/>

At the bottom of the window, there are 'OK' and 'Cancel' buttons.

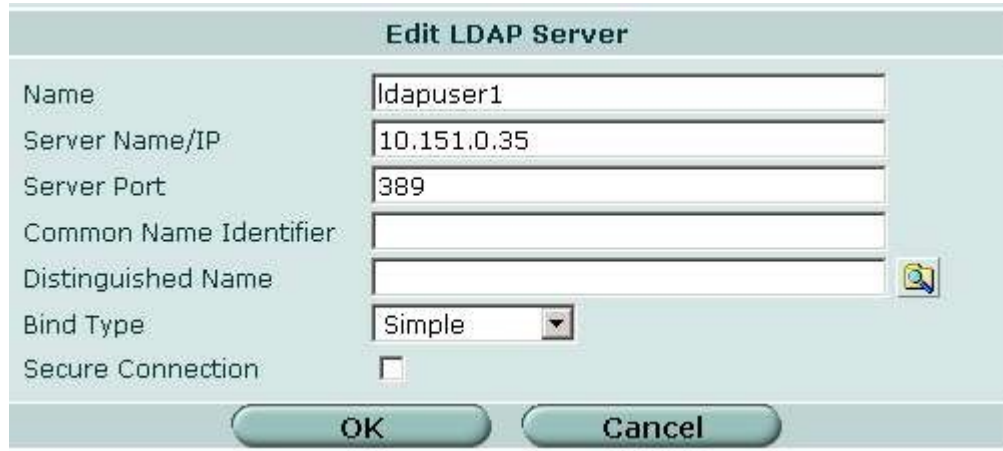
Configuring LDAP authentication using CLI

```
config user ldap
  edit "ldapuser1"
    set server "10.151.0.35"
    set cnid "cn"
    set dn "ou=Vancouver,dc=get,dc=local"
  next
end
```

To authenticate user by Display name or User logon name:



Configuring LDAP authentication with Display name or User logon name using FortiOS web-based manager



The screenshot shows the 'Edit LDAP Server' configuration page in the FortiOS web-based manager. The page has a light blue header with the title 'Edit LDAP Server'. Below the header, there are several input fields and a dropdown menu. The 'Name' field contains 'ldapuser1'. The 'Server Name/IP' field contains '10.151.0.35'. The 'Server Port' field contains '389'. The 'Common Name Identifier' field is empty. The 'Distinguished Name' field is empty and has a search icon to its right. The 'Bind Type' dropdown menu is set to 'Simple'. The 'Secure Connection' checkbox is unchecked. At the bottom of the page, there are two buttons: 'OK' and 'Cancel'.

Field	Value
Name	ldapuser1
Server Name/IP	10.151.0.35
Server Port	389
Common Name Identifier	
Distinguished Name	
Bind Type	Simple
Secure Connection	<input type="checkbox"/>

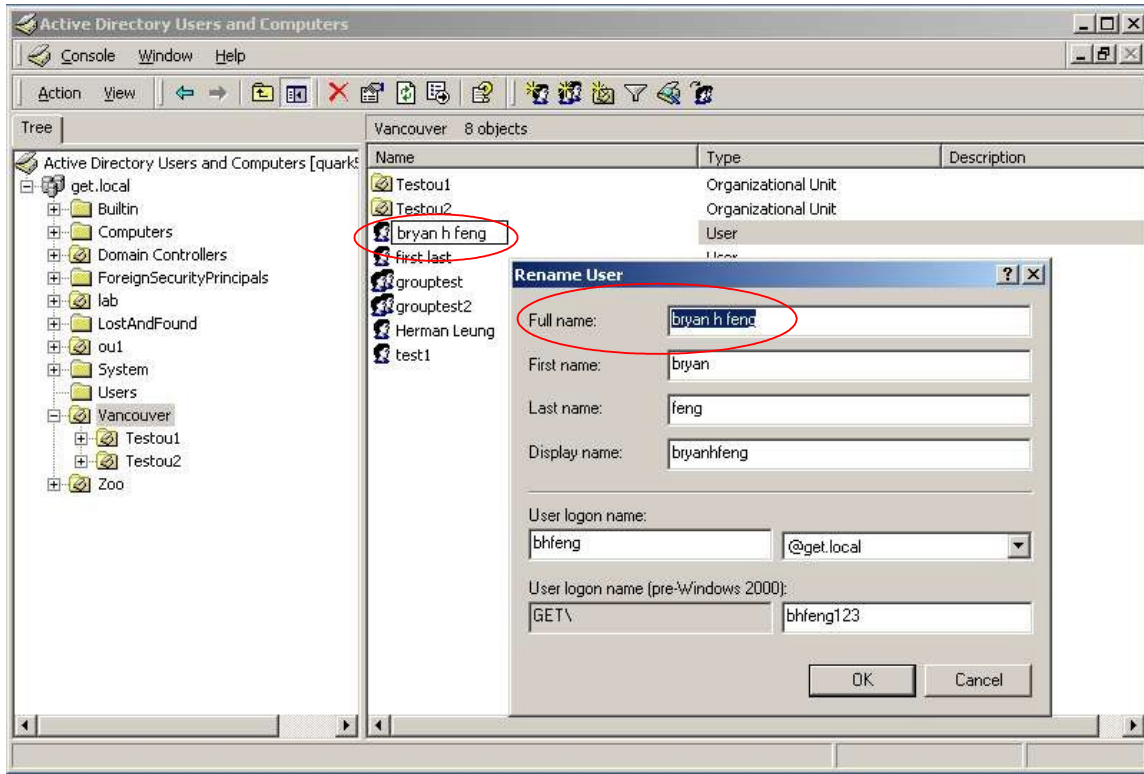
Configuring LDAP authentication with Display name or User logon name using CLI

```
config user ldap
  edit "ldapuser1"
    set server "10.151.0.35"
    set cnid ''
  next
end
```

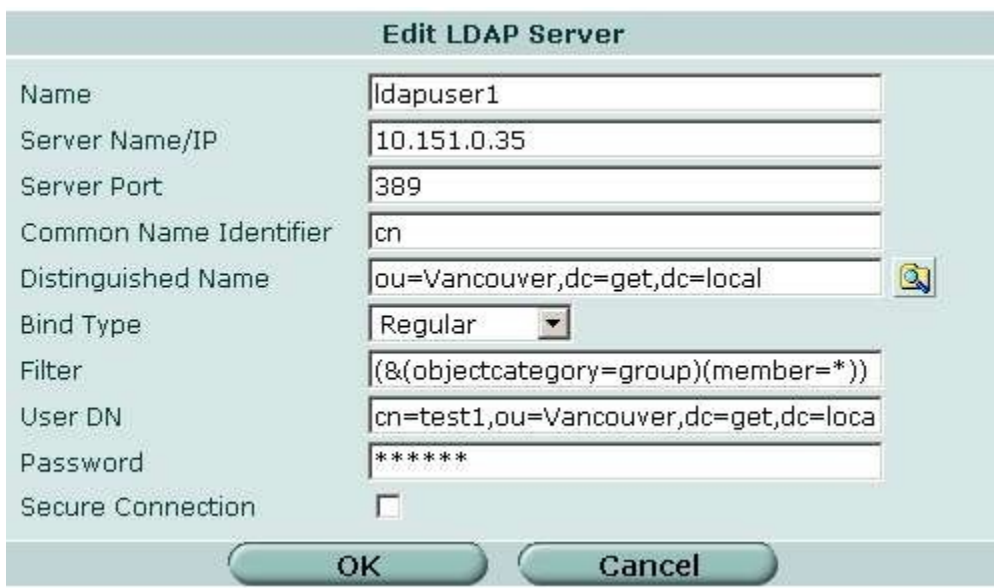
In this instance, the user can be authenticated as username: bryanhfeng (Display name) or [bhfeng@get.local](#) (User logon name).

When Regular binding is used, the user can be authenticated by Full name or sAMAccountName.

To authenticate user by Full name:



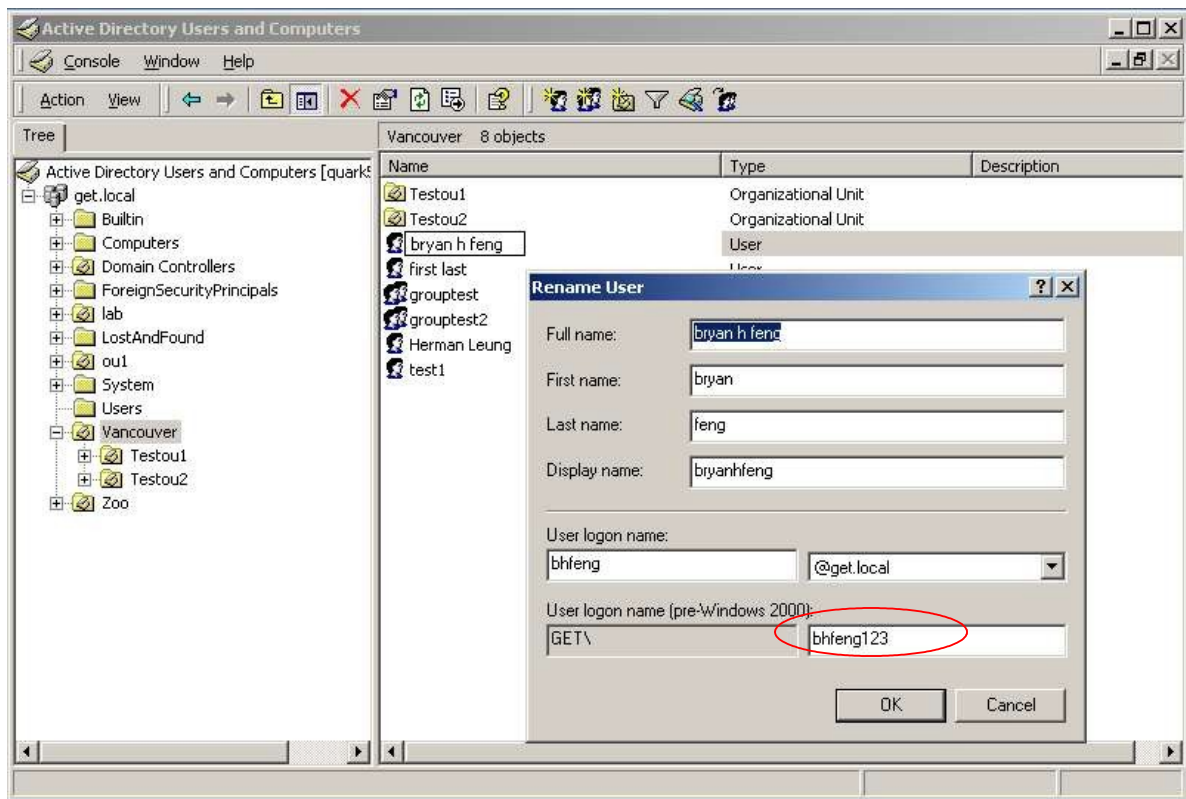
Configuring LDAP authentication with Full name using FortiOS web-based manager:



Configuring LDAP authentication with Full name using CLI:

```
config user ldap
  edit "ldapuser1"
    set server "10.151.0.35"
    set cnid "cn"
    set dn "ou=Vancouver,dc=get,dc=local"
    set type regular
    set username "cn=test1,ou=Vancouver,dc=get,dc=local"
    set password ENC
AADoAwGkhKSrU/XXkUech7j4OxxZzNvvGzsp2BsMjk61h5+k6zsPJ+
+jxKYESk6VChRn6Q9idt2QIuCH6xFTRPeoMKaxWqCvBTXvqpP8RHJNhWIi
    next
end
```

To authenticate user by sAMAccountName:



Configuring LDAP authentication with sAMAccountName using FortiOS web-based manager:

The screenshot shows the 'Edit LDAP Server' configuration page in the FortiOS web-based manager. The page has a light blue header with the title 'Edit LDAP Server'. Below the header, there are several input fields and a checkbox. The fields are: Name (ldapuser1), Server Name/IP (10.151.0.35), Server Port (389), Common Name Identifier (sAMAccountName), Distinguished Name (dc=get,dc=local), Bind Type (Regular), Filter ((&(objectcategory=group)(member=*))), User DN (cn=test1,ou=Vancouver,dc=get,dc=local), Password (*****), and Secure Connection (unchecked). At the bottom of the page, there are two buttons: 'OK' and 'Cancel'.

Configuring LDAP authentication with sAMAccountName using CLI:

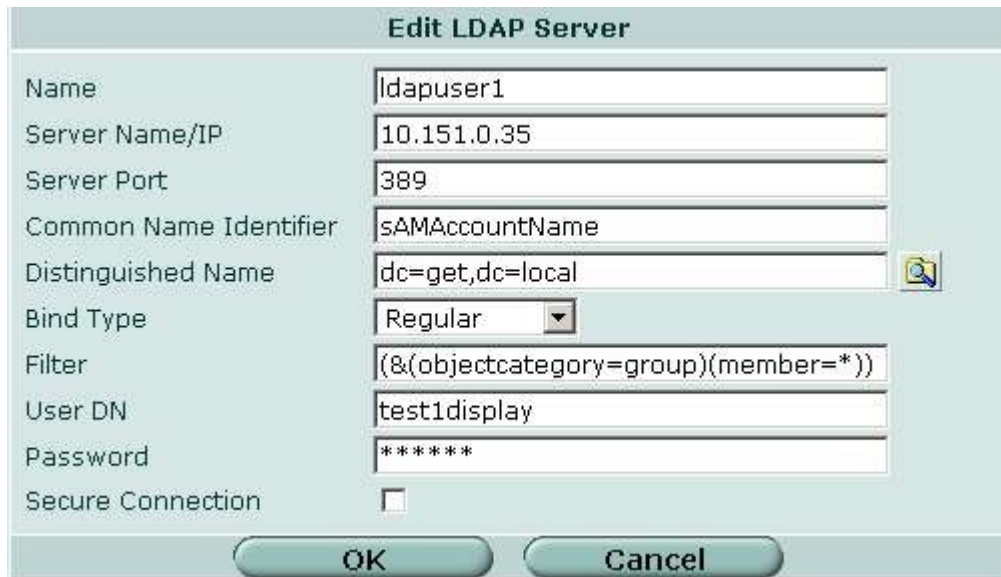
```
config user ldap
  edit "ldapuser1"
    set server "10.151.0.35"
    set cnid "sAMAccountName"
    set dn "dc=get,dc=local"
    set type regular
    set username "cn=test1,ou=Vancouver,dc=get,dc=local"
    set password ENC
AADoAwGkhKSrU/XXkUech7j4OxxZzNvvGzsp2BsMjk6l1h5+k6zsPJ+
+jxKYESk6VChRn6Q9idt2QIuCH6xFTRPeoMKaxWqCvBTXvqpP8RHJNhWIi
  next
end
```

When using regular binding, the binding username setup can support full dn name or Display name.

In the examples provided:

- binding user test1's full dn is: cn=test1,ou=Vancouver,dc=get,dc=local
- binding user test1's display name is: test1display

The binding username setup can also be configured using the FortiOS web-based manager in this format:



The screenshot shows the 'Edit LDAP Server' configuration page in the FortiOS web-based manager. The page has a light blue header with the title 'Edit LDAP Server'. Below the header, there are several input fields and a checkbox, each with a label on the left and a corresponding value in a text box. At the bottom, there are two buttons: 'OK' and 'Cancel'.

Field	Value
Name	ldapuser1
Server Name/IP	10.151.0.35
Server Port	389
Common Name Identifier	sAMAccountName
Distinguished Name	dc=get,dc=local
Bind Type	Regular
Filter	(&(objectcategory=group)(member=*))
User DN	test1display
Password	*****
Secure Connection	<input type="checkbox"/>

The binding username setup can also be configured using the CLI in this format:

```
config user ldap
  edit "ldapuser1"
    set server "10.151.0.35"
    set cnid "sAMAccountName"
    set dn "dc=get,dc=local"
    set type regular
    set username "test1display"
    set password ENC
AADoAynnyH79MCD6+nLbOwsx2/2gizteE6Lye/gTbliVP73VbDjKV1Uhe19kfaImVBm0gTcytXAbZB
946ktDd9qdgC+XlN9NWuOxB1cLSkJ6AYHyw
  next
end
```