LDAP on the AKCess Pro Server User Manual

AKCess Pro Server
v.100.00x
Windows Server
Active Directory

Help Version updated till firmware 404p

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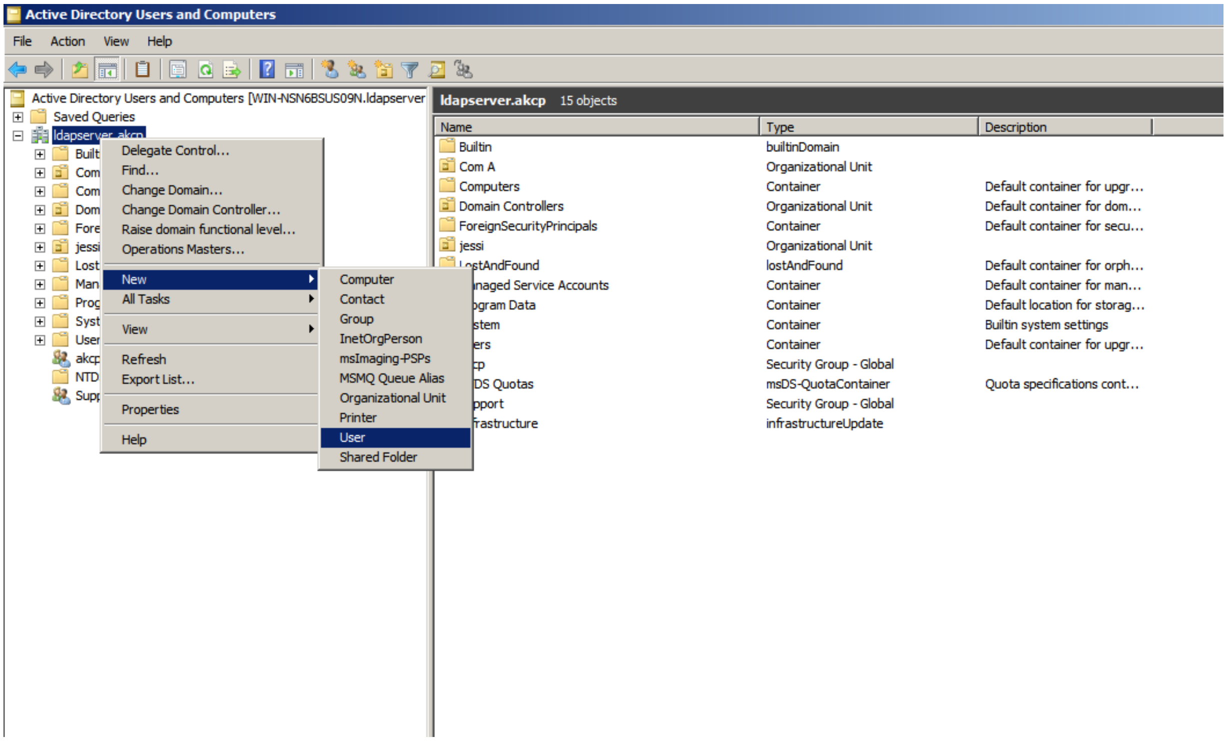
Introduction / What is Active Directory

Active Directory is Microsoft's Directory Server. It provides authentication and authorization mechanisms as well as a framework within which other related services can be deployed (AD Certificate Services, AD Federated Services, etc). It is an LDAP compliant database that contains objects. The most commonly used objects are users, computers, and groups. These objects can be organized into organizational units (OUs) by any number of logical or business needs. Group Policy Objects (GPOs) can then be linked to OUs to centralize the settings for various users or computers across an organization.

This is a feature that we added to the AKCess Pro Server so that the Active Directory or LDAP compliant data base can be linked to the software.

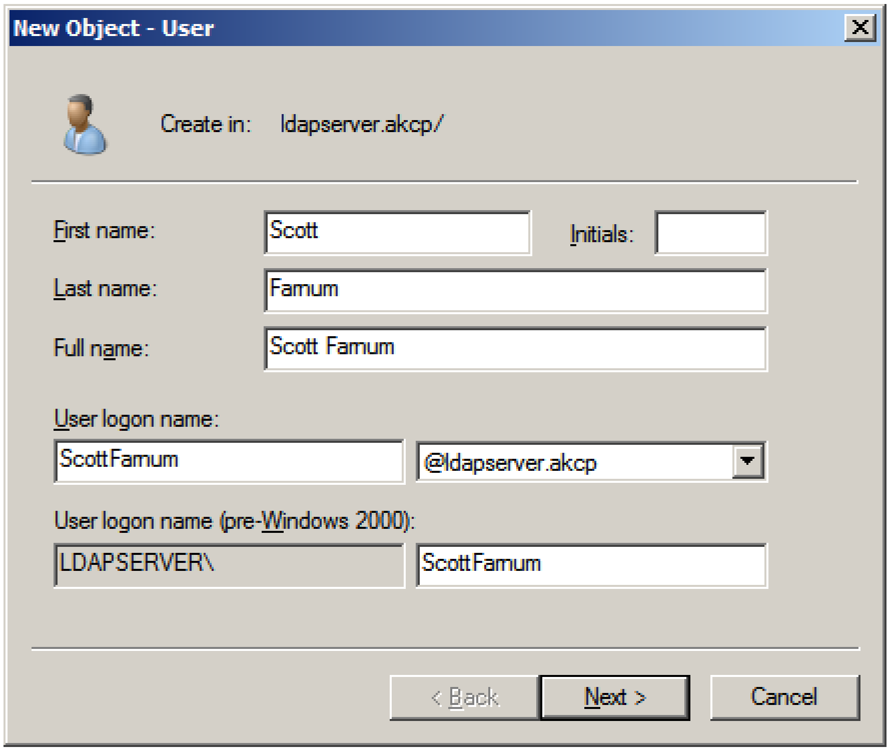
Setting Up the Active Directory

1. Setup New User


Active Directory Users and Computers
File
Action
View
Help
Active Directory Users and Computers [WIN-NSN6BSUS09N.ldapserver
Saved Queries
ldapserver.akcp
Built
Com
Com
Dom
Fore
jessi
Lost
Man
Prog
Syst
User
akcp
NTD
Supp
Delegate Control...
Find...
Change Domain...
Change Domain Controller...
Raise domain functional level...
Operations Masters...
New
All Tasks
View
Refresh
Export List...
Properties
Help
Computer
Contact
Group
InetOrgPerson
msImaging-PSPs
MSMQ Queue Alias
Organizational Unit
Printer
User
Shared Folder
ldapserver.akcp 15 objects

Name	Type	Description
Builtin	builtinDomain	
Com A	Organizational Unit	
Computers	Container	Default container for upgr...
Domain Controllers	Organizational Unit	Default container for dom...
ForeignSecurityPrincipals	Container	Default container for secu...
jessi	Organizational Unit	
LostAndFound	lostAndFound	Default container for orph...
naged Service Accounts	Container	Default container for man...
ogram Data	Container	Default location for storag...
stem	Container	Builtin system settings
ers	Container	Default container for upgr...
p	Security Group - Global	
DS Quotas	msDS-QuotaContainer	Quota specifications cont...
pport	Security Group - Global	
frastructure	infrastructureUpdate	

We first need to open up the Active Directory Users and Computers, then right mouse click on the domain, choose New then User from the drop down menu as shown in the screen shot above.


New Object - User
< Back
Next >
Cancel

Create in: ldapserver.akcp/

First name: Scott

Initials:

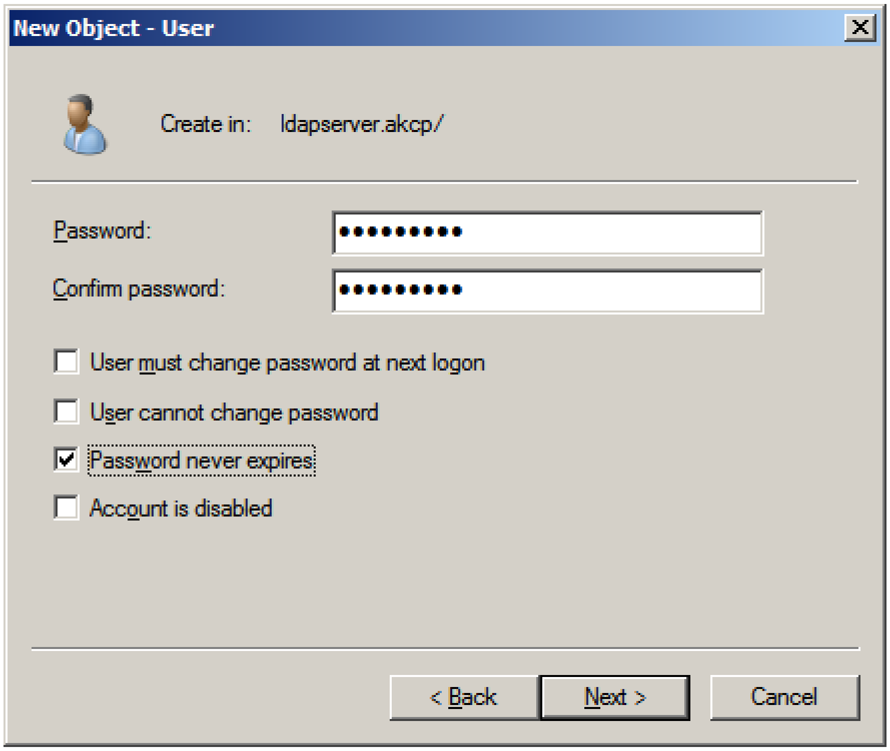
Last name: Farnum

Full name: Scott Farnum

User logon name: ScottFarnum @ldapserver.akcp

User logon name (pre-Windows 2000): LDAPSERVER\ ScottFarnum

Now we can enter the new user details as shown in the screen shot above.


New Object - User
< Back
Next >
Cancel

Create in: ldapserver.akcp/

Password: ••••••••••

Confirm password: ••••••••••

☐ User must change password at next logon

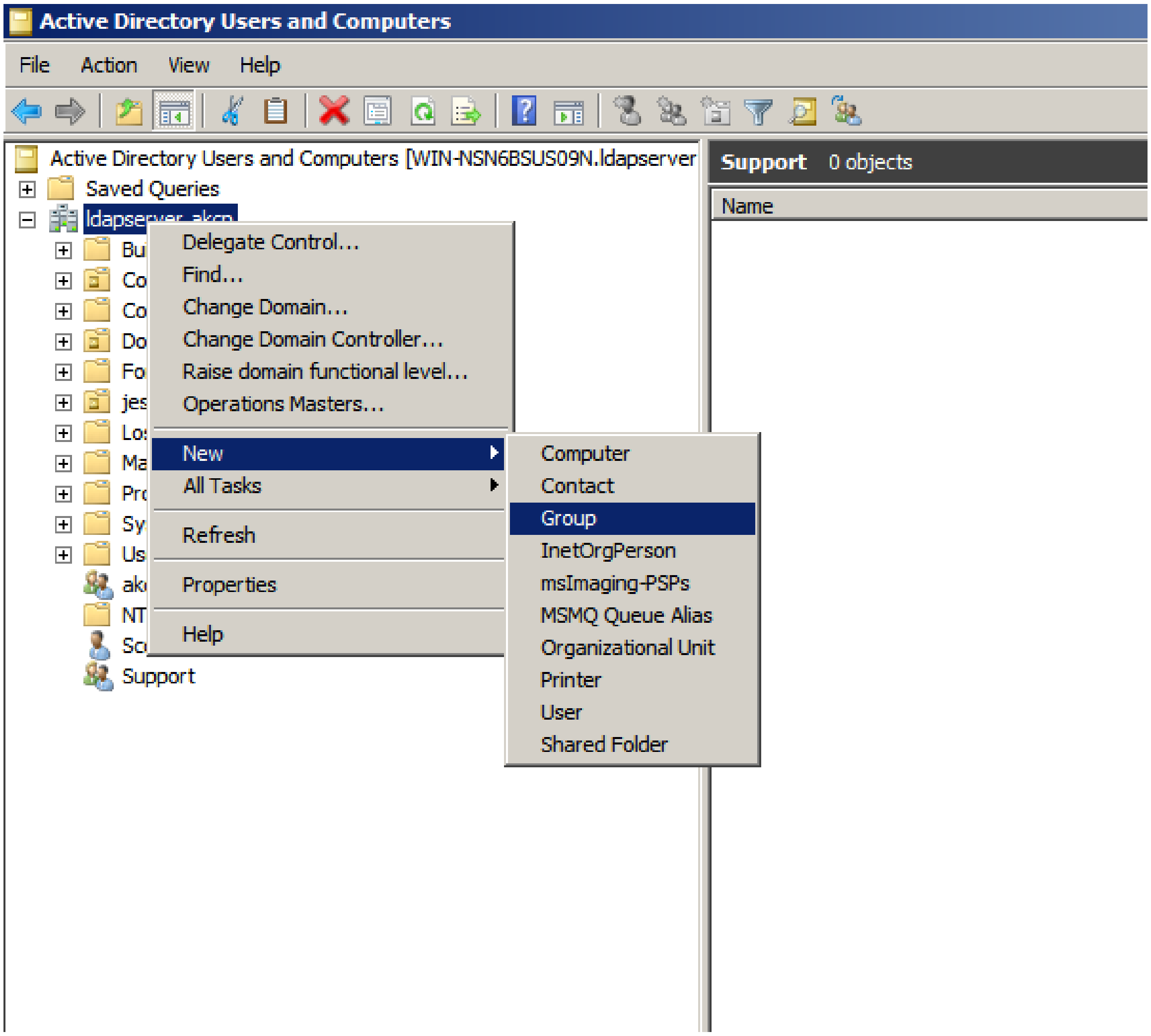
☐ User cannot change password

☑ Password never expires

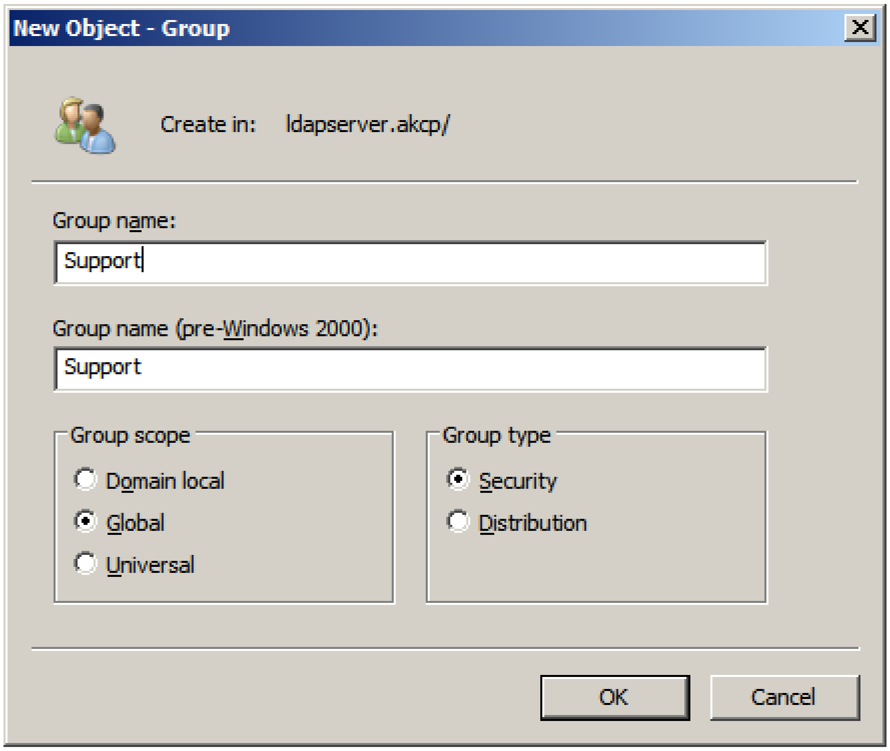
☐ Account is disabled

Enter our password details as shown in the screen shot above.

2. Setup New Group


Active Directory Users and Computers
File
Action
View
Help
Active Directory Users and Computers [WIN-NSN6BSUS09N.ldapserver
Saved Queries
ldapserver.akcp
Support
Support 0 objects
Name
Delegate Control…
Find…
Change Domain…
Change Domain Controller…
Raise domain functional level…
Operations Masters…
New
All Tasks
Refresh
Properties
Help
Computer
Contact
Group
InetOrgPerson
msImaging-PSPs
MSMQ Queue Alias
Organizational Unit
Printer
User
Shared Folder

We will first right mouse click on the ldap server icon, choose New then Group as shown in the screen shot above.



Create in: ldapserver.akcp/

Group name:
Support

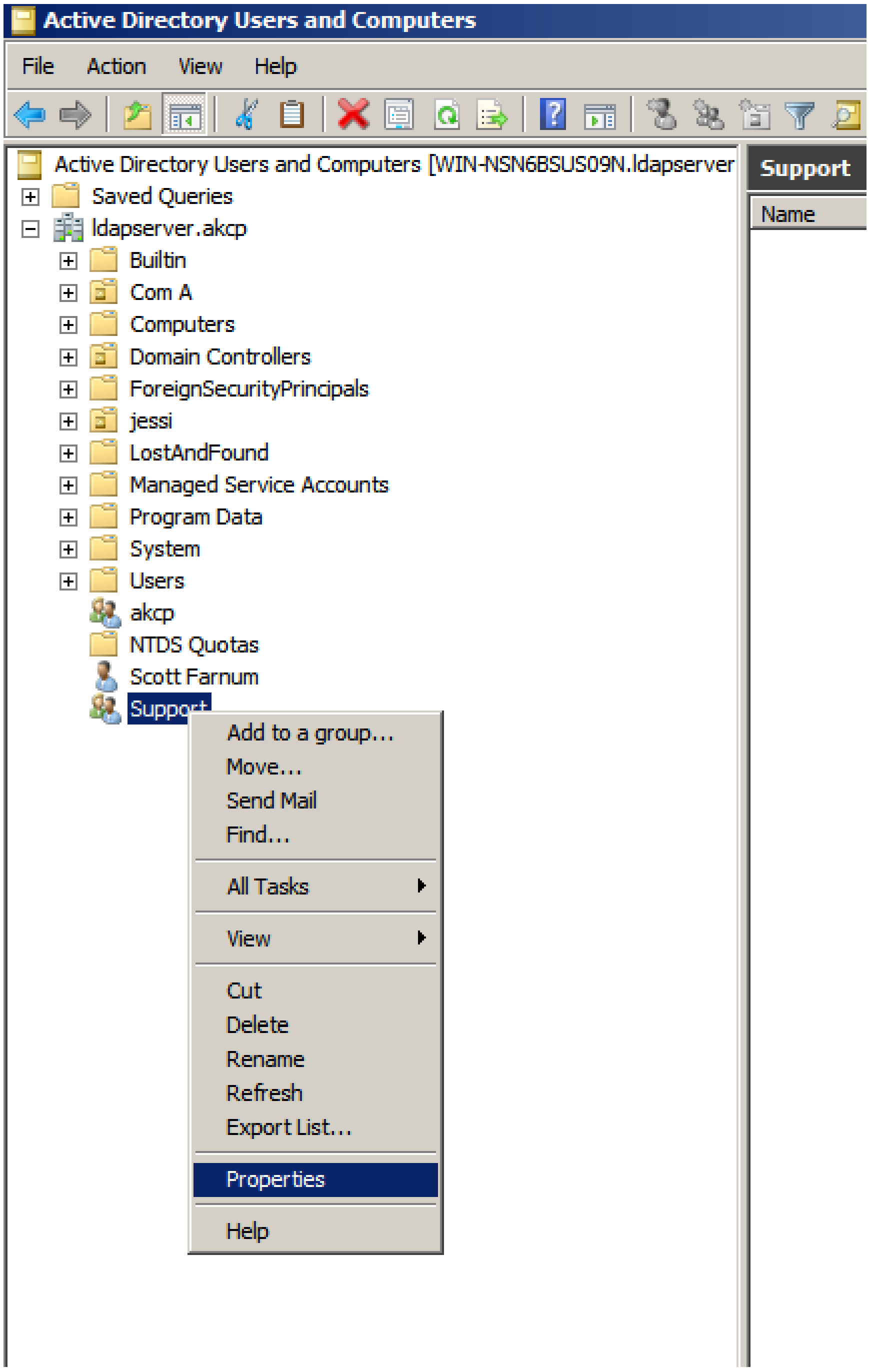
Group name (pre-Windows 2000):
Support

Group scope
○ Domain local
● Global
○ Universal

Group type
● Security
○ Distribution

We will now name our group and also choosing the Group scope and type as shown in the screen shot above.

3. Edit Attributes for new group


Active Directory Users and Computers
File
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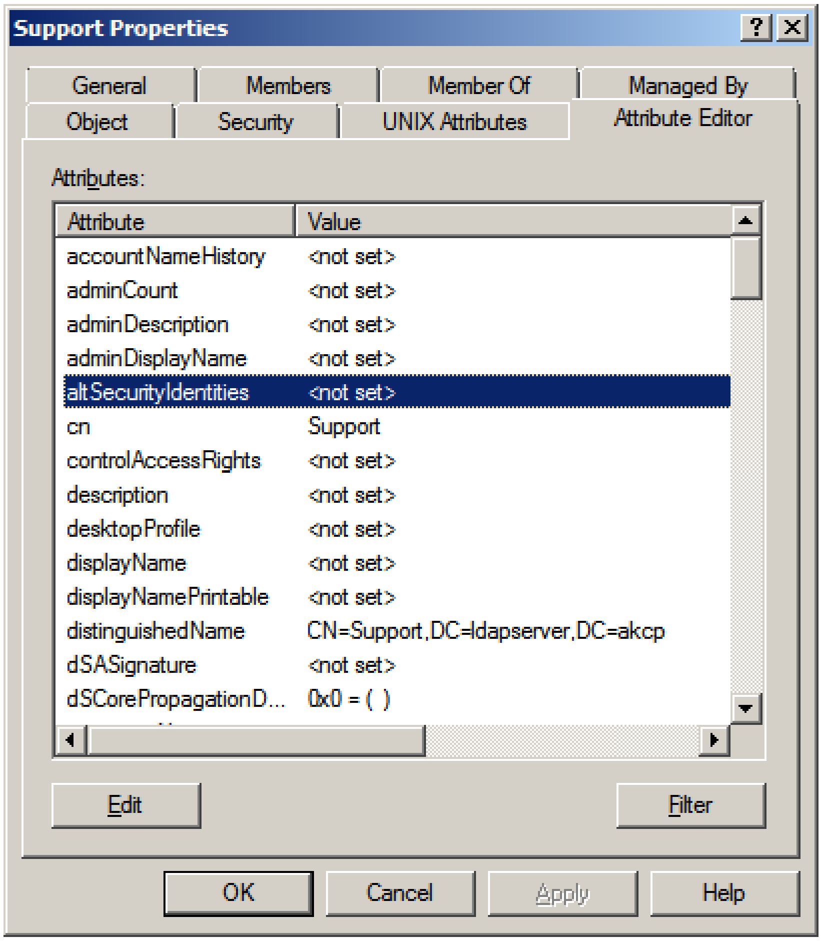
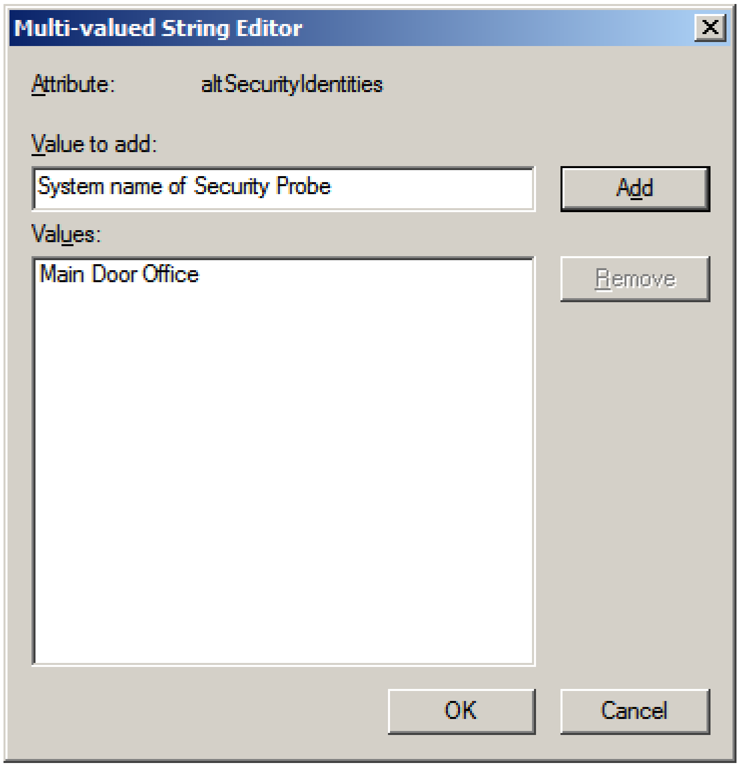
View
Help
Active Directory Users and Computers [WIN-NSN6BSUS09N.ldapserver
Saved Queries
ldapserver.akcp
Builtin
Com A
Computers
Domain Controllers
ForeignSecurityPrincipals
jessi
LostAndFound
Managed Service Accounts
Program Data
System
Users
akcp
NTDS Quotas
Scott Farnum
Support
Add to a group…
Move…
Send Mail
Find…
All Tasks
View
Cut
Delete
Rename
Refresh
Export List…
Properties
Help
Support
Name

After our new Group has been setup, we will right click on the new Group then choose the Properties from the drop down menu as shown in the screen shot above.


Support Properties
General
Members
Member Of
Managed By
Object
Security
UNIX Attributes
Attribute Editor
Attributes:
Edit
Filter
OK
Cancel
Apply
Help

Attribute	Value
accountNameHistory	<not set>
adminCount	<not set>
adminDescription	<not set>
adminDisplayName	<not set>
altSecurityIdentities	<not set>
cn	Support
controlAccessRights	<not set>
description	<not set>
desktopProfile	<not set>
displayName	<not set>
displayNamePrintable	<not set>
distinguishedName	CN=Support,DC=ldapserver,DC=akcp
dSASignature	<not set>
dSCorePropagationD...	0x0 = ( )

Now will edit the Attribute for our group by first highlighting the altSecurity/Identities from the attributes listing then clicking on the Edit button as shown in the screen shot above.


Multi-valued String Editor
Add
Remove
OK
Cancel

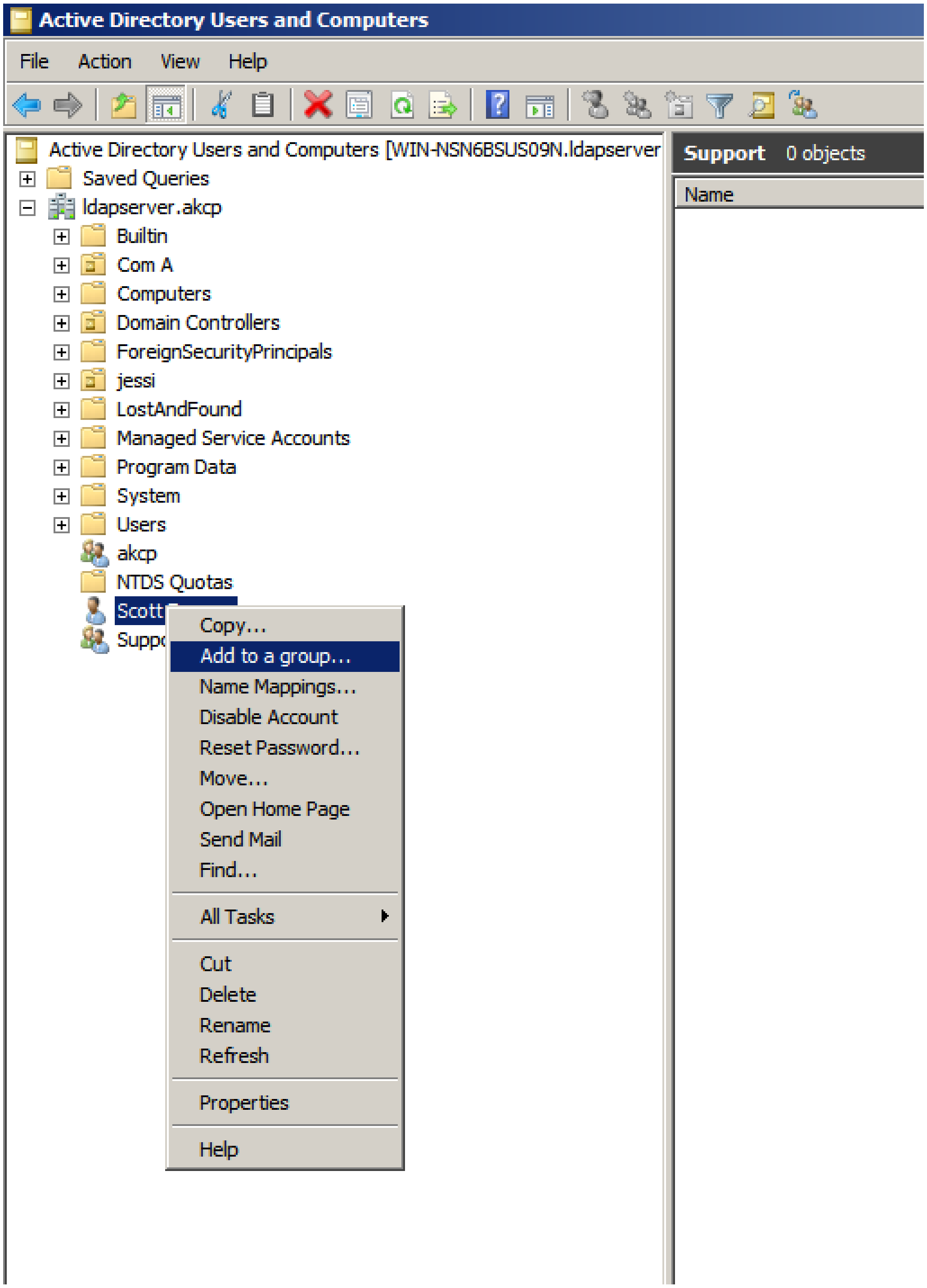
Attribute: altSecurityIdentities

Value to add: System name of Security Probe

Values: Main Door Office

Now we add the value to the Attribute as shown in the screen shot above.

4. Add new user or users to the new Group.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Com A
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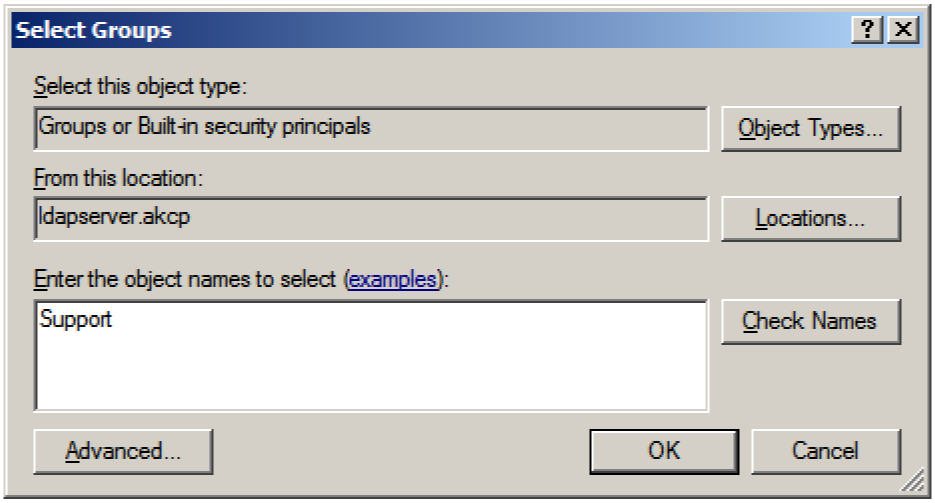
Domain Controllers
ForeignSecurityPrincipals
jessi
LostAndFound
Managed Service Accounts
Program Data
System
Users
akcp
NTDS Quotas
Scott
Suppo
Copy...
Add to a group...
Name Mappings...
Disable Account
Reset Password...
Move...
Open Home Page
Send Mail
Find...
All Tasks
Cut
Delete
Rename
Refresh
Properties
Help
Support 0 objects
Name

We first right mouse click on the new Users then choose “Add to a group” from the drop down menu as shown in the screen shot above.


Select Groups
?
Object Types...
Locations...
Check Names
Advanced...
OK
Cancel

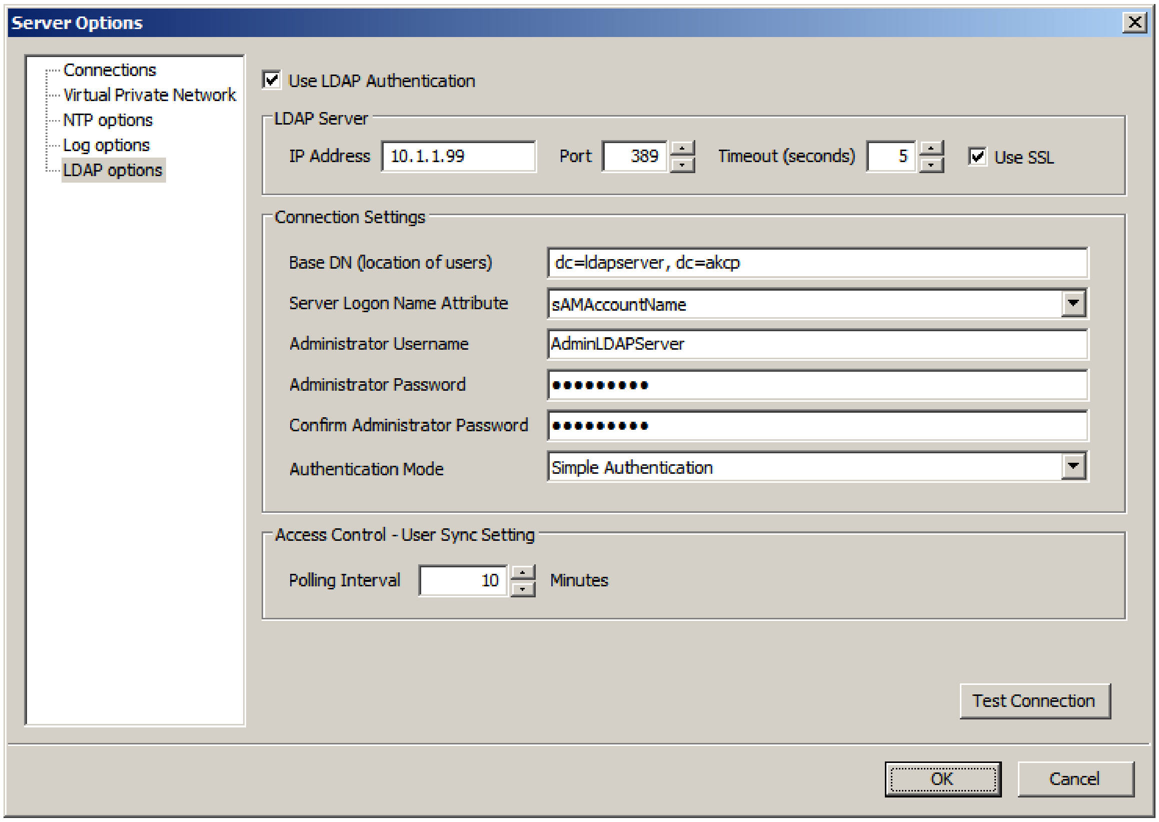
Select this object type: Groups or Built-in security principals

From this location: ldapserver.akcp

Enter the object names to select (examples): Support

Choose the new Group that was created and click on the OK button.

5. Setup of LDAP on the AKCess Pro Server


Server Options
Connections
Virtual Private Network
NTP options
Log options
LDAP options
Test Connection
OK
Cancel

☑ Use LDAP Authentication

LDAP Server

IP Address 10.1.1.99
Port 389
Timeout (seconds) 5
☑ Use SSL

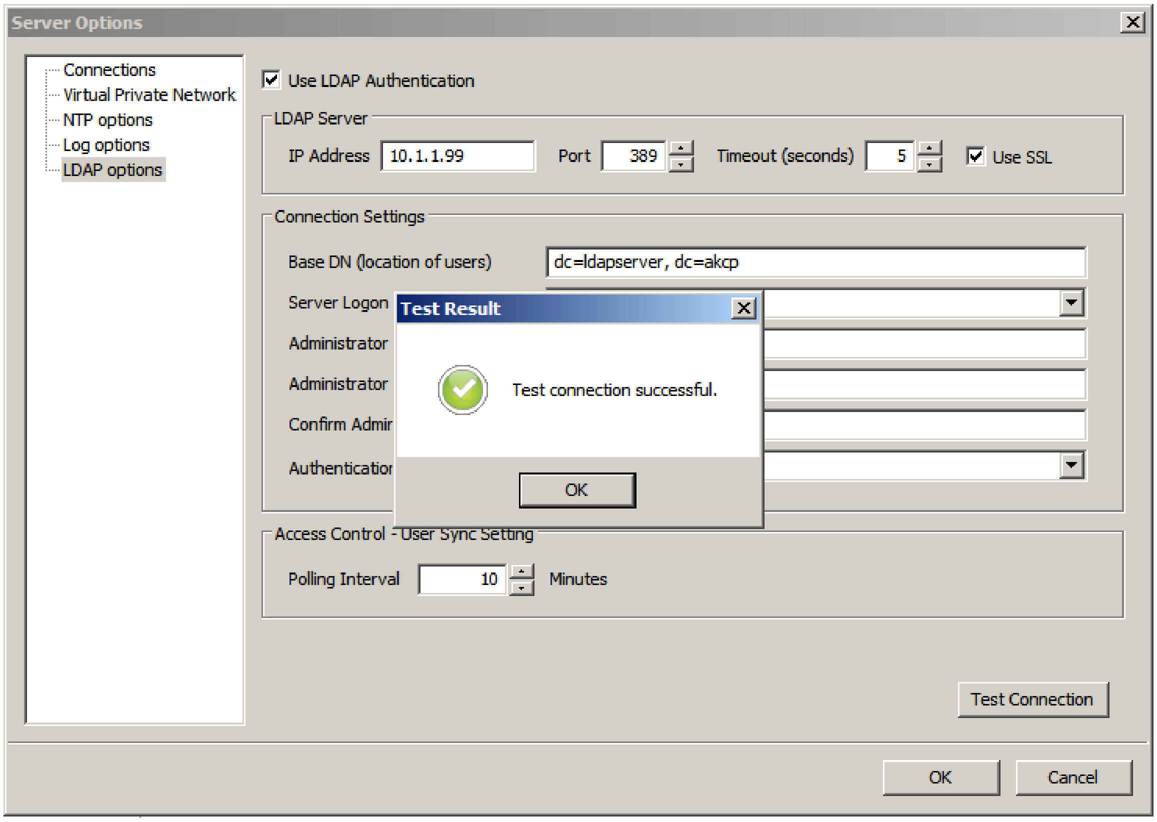
Connection Settings

Base DN (location of users) dc=ldapserver, dc=akcp
Server Logon Name Attribute sAMAccountName
Administrator Username AdminLDAPServer
Administrator Password ●●●●●●●●●
Confirm Administrator Password ●●●●●●●●●
Authentication Mode Simple Authentication

Access Control - User Sync Setting

Polling Interval 10 Minutes

We first need to log in to the AKCess Pro Server as an Administrator, then from the Settings menu we will choose Server Options, then click on the LDAP options. We can now enter the IP address and the setting for the Active Directory or LDAP server.



Server Options
Connections
Virtual Private Network
NTP options
Log options
LDAP options

☑ Use LDAP Authentication

LDAP Server

IP Address 10.1.1.99 Port 389 Timeout (seconds) 5 ☑ Use SSL

Connection Settings

Base DN (location of users) dc=ldapserver, dc=akcp

Server Logon
Administrator
Administrator
Confirm Admir
Authenticatior

Test Result

Test connection successful.

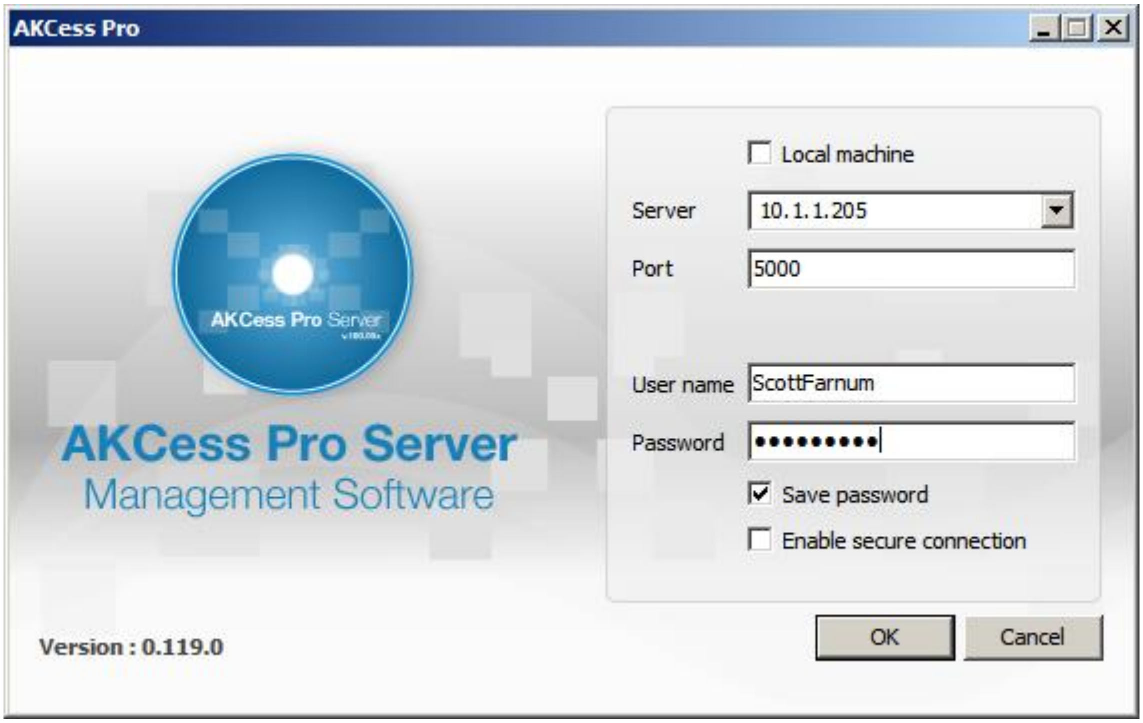
OK

Access Control - User Sync Setting

Polling Interval 10 Minutes

Test Connection
OK
Cancel

And finally we can test the LDAP connection to the server by clicking on the Test Connection button.


AKCess Pro
AKCess Pro Server
AKCess Pro Server
Management Software
OK
Cancel

☐ Local machine

Server: 10.1.1.205

Port: 5000

User name: ScottFarnum

Password: ••••••••••

☑ Save password

☐ Enable secure connection

Version : 0.119.0

This concludes the LDAP user manual.

Please contact support@akcp.com if you have any further technical questions or problems setting up your DCS15 or your alerts.

Thanks for Choosing AKCess Pro!