

## **LDAP Authenticated Web Administration :**

MailScan 5.x is powered with LDAP Authenticated Web Administration. This gives security enhancement to authenticate users, to check their quarantined and ham emails. Without enabling authentication, any one can access quarantined and ham emails.

Here, we will discuss step-by-step procedure for enabling LDAP Authentication.

### **Prerequisites:**

1. Should have LDAP Server configured and working.
2. IP address of LDAP Server.
3. Port for LDAP server. (Default port is 389)
4. Administrator password.
5. Base DN.

(If you have ADS (Active Directory) then you can run “gpresult” from command prompt and redirect it’s output to one file.

- a. Go to start > click on “Run “
- b. Type “cmd” press enter
- c. Then type “gpresult > ldapsettings.txt” and press enter. Once the command gets completed you can edit the file and find out the base DN.

Here is the example that gives you Base DN:

### **COMPUTER SETTINGS**

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***CN=EXCH,OU=Domain Controllers,DC=test,DC=com***

Once you get the Base DN you have to make sure the users you have configured resides under which container or Organization unit. So you can enter the base DN correctly.

Here are the screen shots of ADS and how the above Base DN is configured. And will be synchronize with Mailscan.

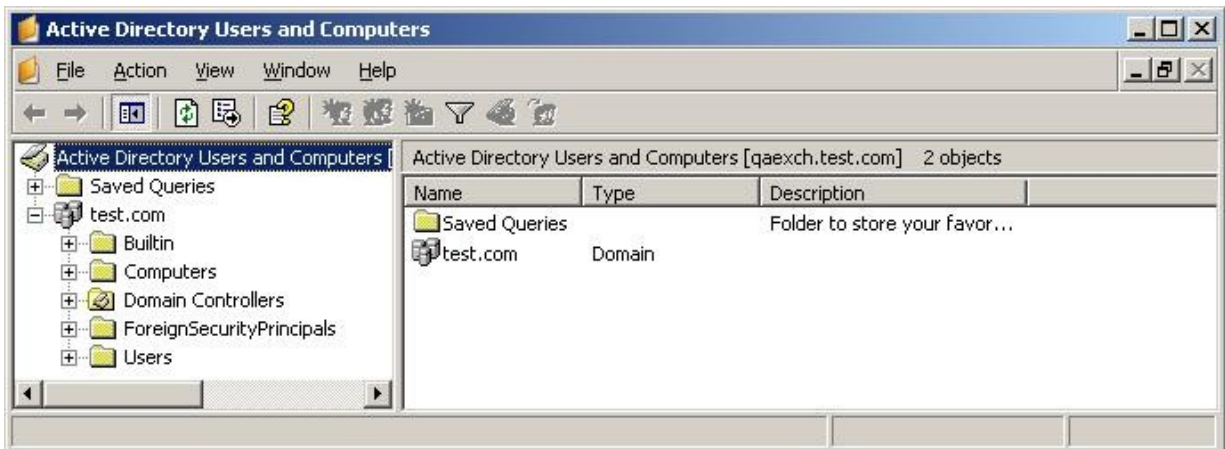
(**IMP:** This is the default one. Others might have different configuration. This is an example and need not to be configured in the same way.)

1. Go to Start.
2. Then click on “Programs”.
3. Then click on “Microsoft Exchange”.
4. Then click on “Active Directory Users and Computers”.

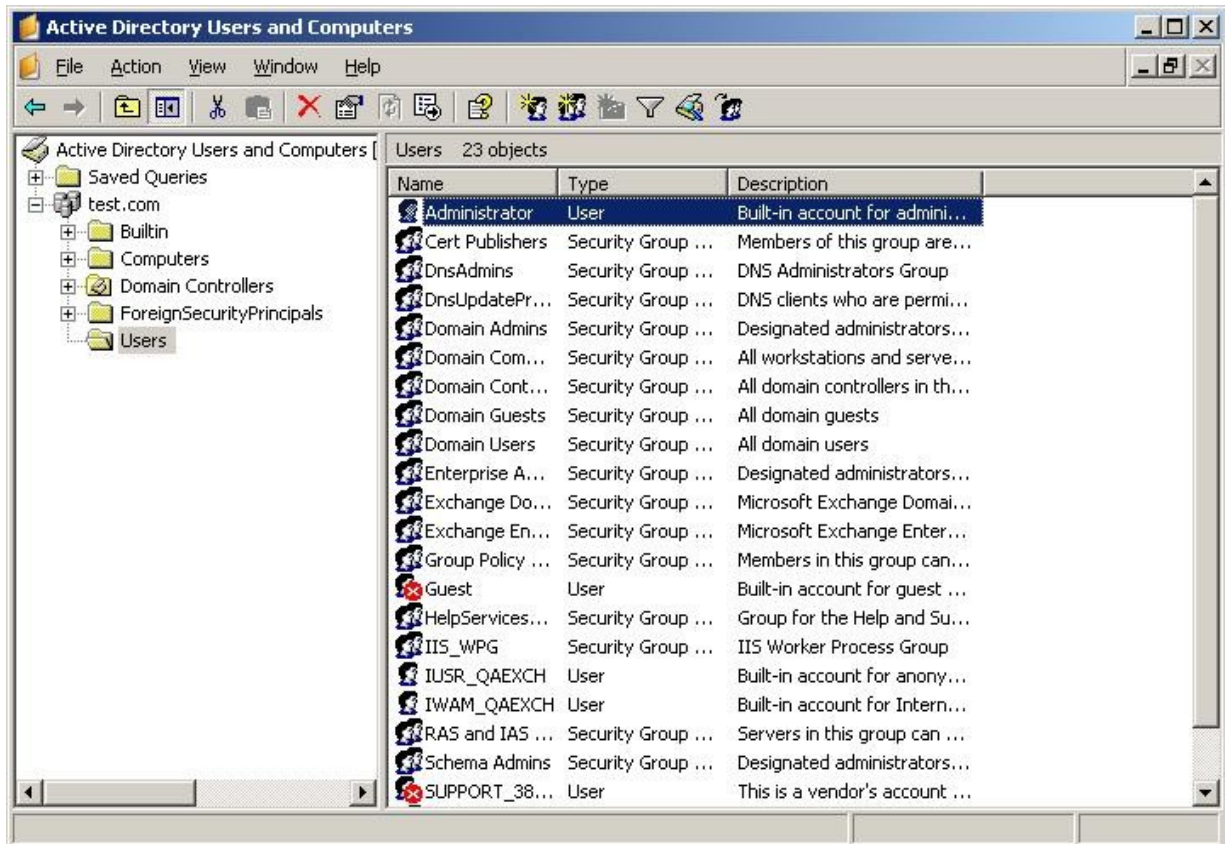
Then you will get the below screen



Then click on (+) in front of your domain name here it is test.com, it will expand shown in below screen:



Then Click on (+) “Users”, on the right hand side windows pane it will show the following screen




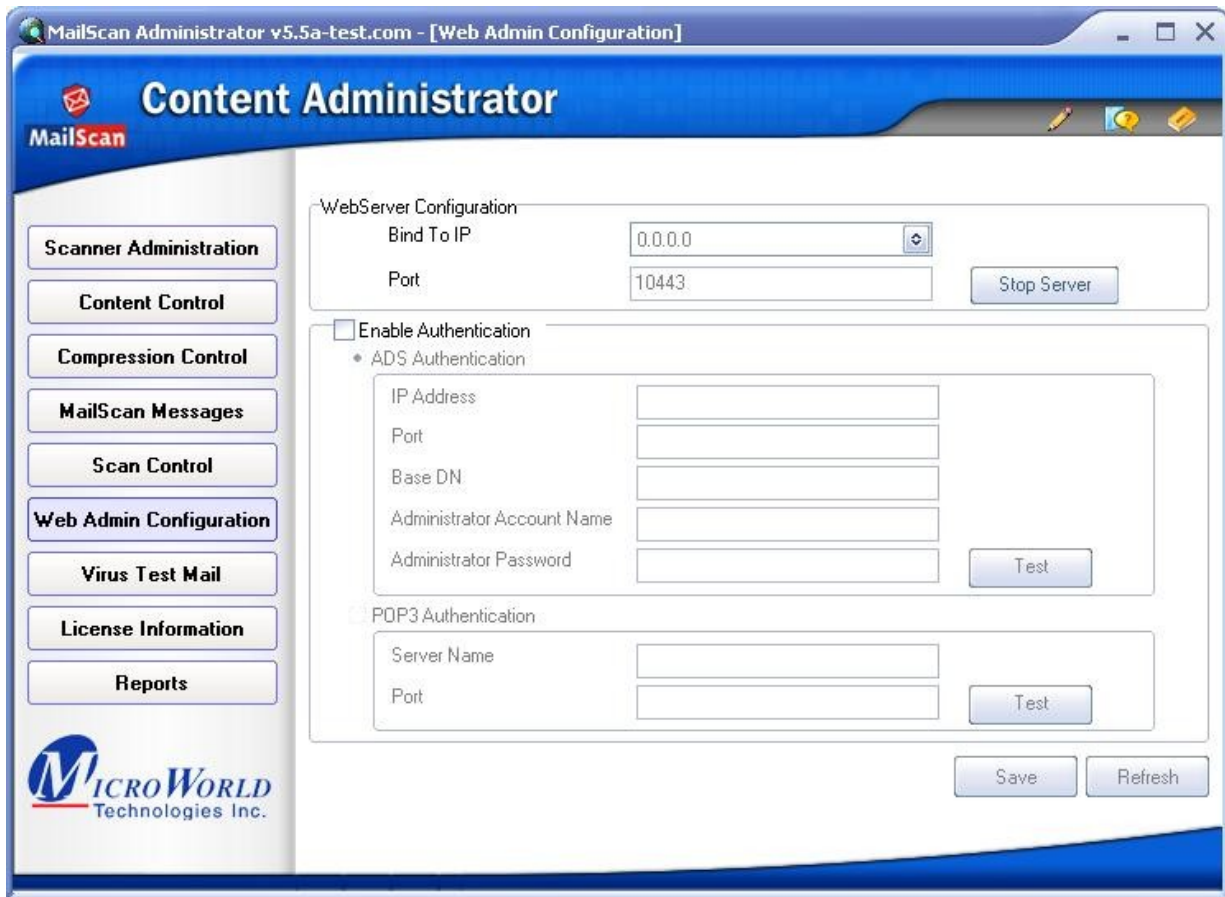
In this scenario, all the users are configured under “Users” Container, shown in above screen. So my Base DN would be :

**CN=Users,DC=test,DC=com**

Now, I know the Base DN, which is important object to configure LDAP authentication.

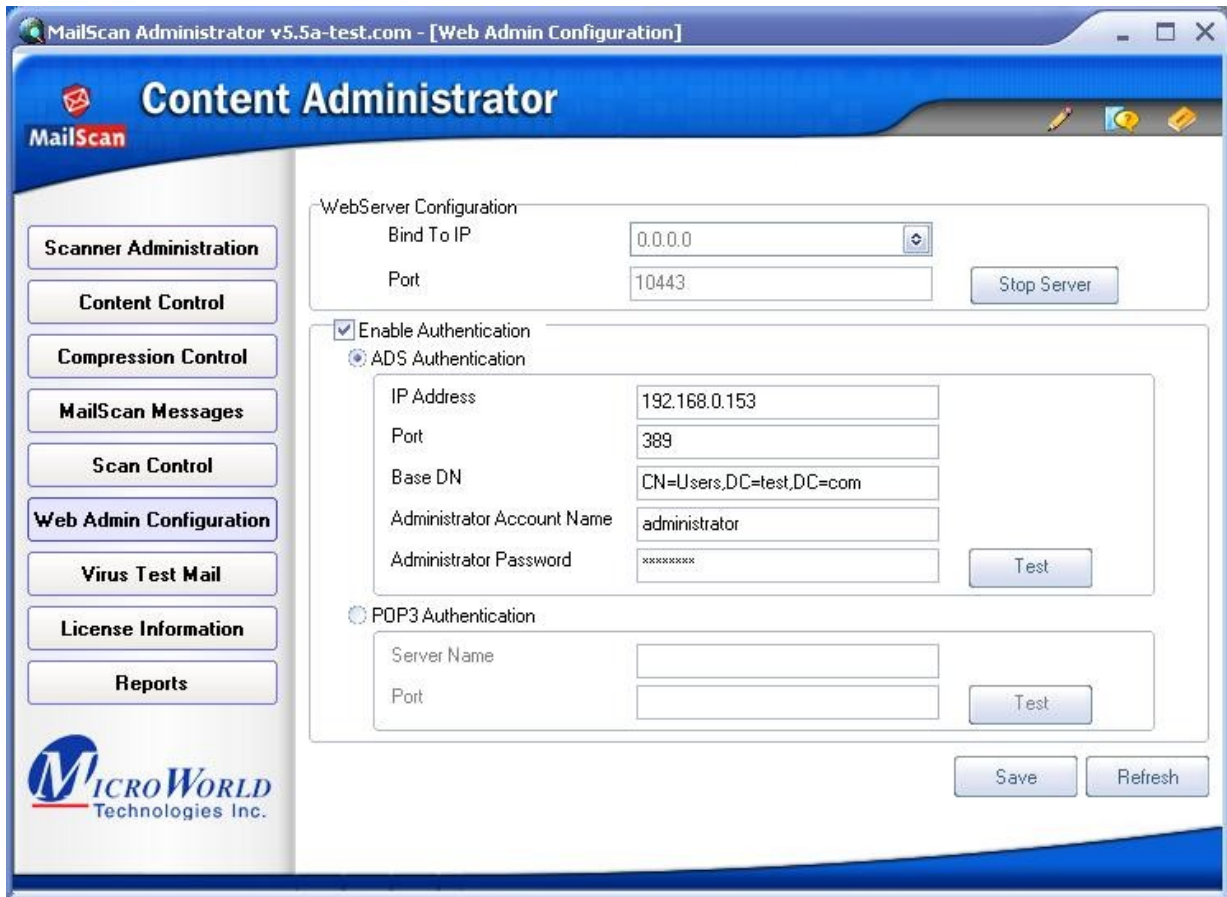
Now we will see how to put all the things together, so you can start using LDAP authentication.

Right click on Mailscan icon  from the taskbar. Then click on “Mailscan Administrator” option. It will pop up below window. Here you need to click on “Web Admin Configuration”.



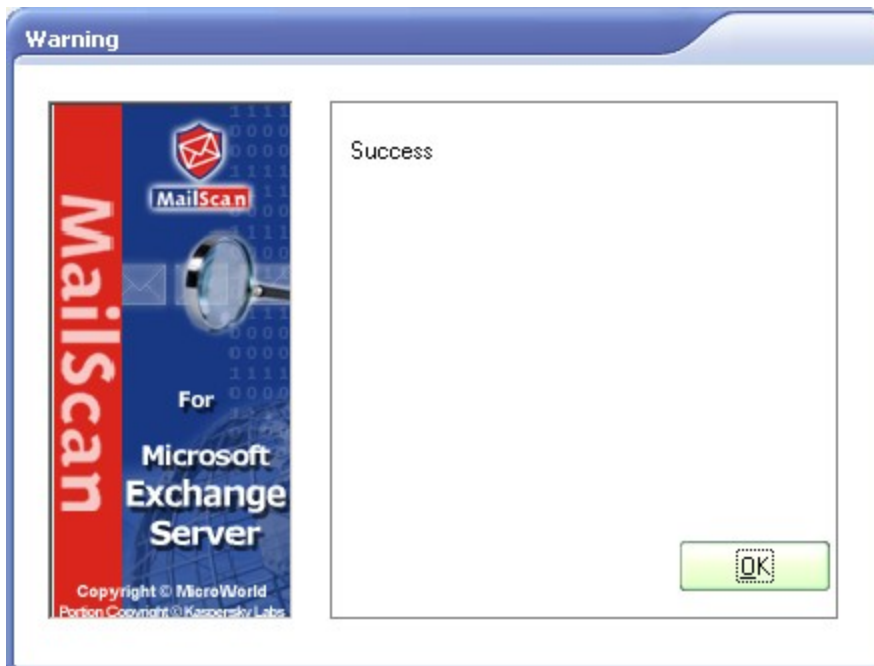
Now, enable the tick mark of **“Enable Authentication”**

And fill the credentials.



To check, whether all the provided credentials are correct, click on “Test” button.

If all the credentials are correct, then it will give “**Success**” message, else it will give “**Invalid Credentials**” message.



If at all it gives "Invalid Credentials" then you need to check whether all the credentials are correct and what is the default value it searches for in LDAP. For that you need to do following things:

1. Open registry.
2. Then go to the below entry

[HKEY\_LOCAL\_MACHINE\SOFTWARE\MicroWorld\WebServer]

On right hand side windows pane you will get below entry

"WebDebLev"="0"

Change the value from 0 to 1 and save. Then click on "test" button on the Mailscan Administrator. You will get the same error. But it will write a detail log under %programfiles%\mailscan\log\ folder.

You need to open that log in any text editor (e.g. notepad) you will get the below details.

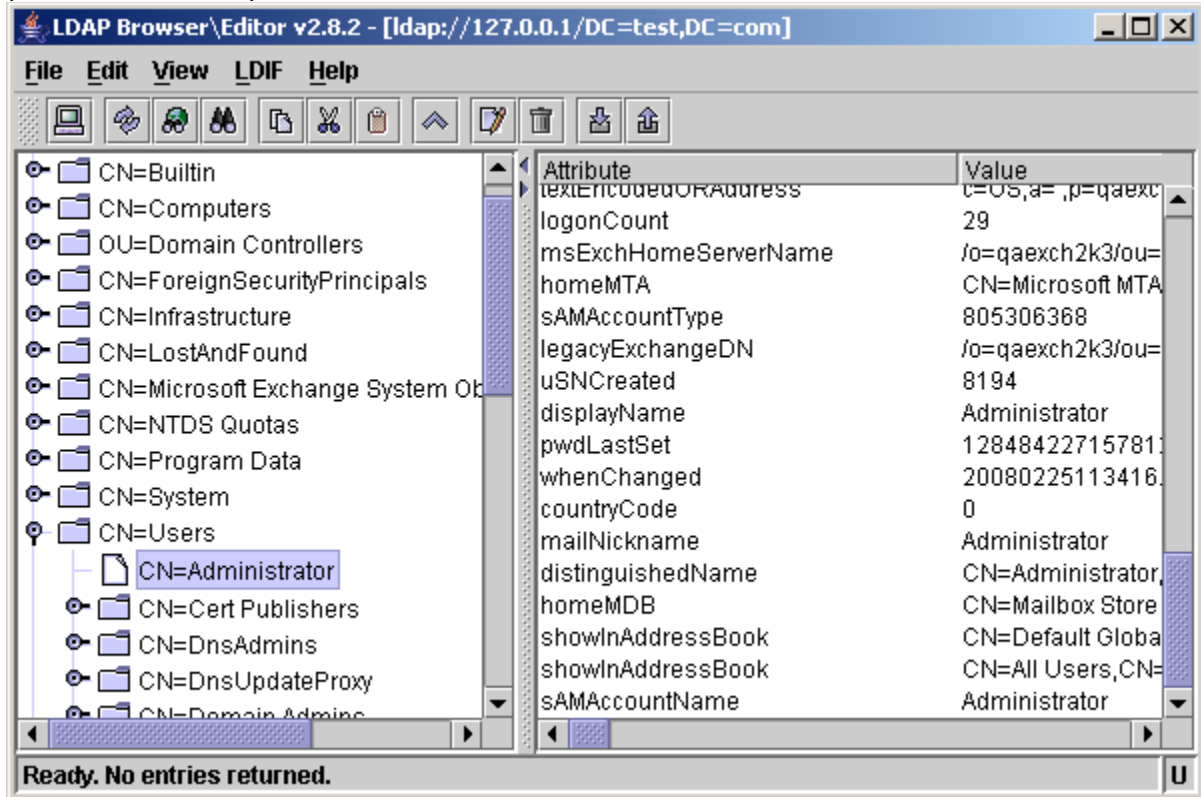
```
11-Apr-2008 14:21:50 Start
11-Apr-2008 14:21:50 ServerName 192.168.0.153
11-Apr-2008 14:21:50 Port 389
11-Apr-2008 14:21:50 Basedn CN=Users,DC=test,DC=com
11-Apr-2008 14:21:50 AdminUserName administrator
11-Apr-2008 14:21:50 AdminPassword #####
11-Apr-2008 14:21:50 GetUserDN, Open
11-Apr-2008 14:21:50 GetUserDN, Open Done
11-Apr-2008 14:21:50 GetUserDN, search for
FunUserName(SAMAccountName=administrator)
11-Apr-2008 14:21:50 elcount 0
11-Apr-2008 14:21:50 Email Administrator
11-Apr-2008 14:21:50 result 0
11-Apr-2008 14:21:50 GetUserDN Done
11-Apr-2008 14:21:50 ldap_simple_bind_s
11-Apr-2008 14:21:50 DNNAME Administrator
11-Apr-2008 14:21:50 ldap_simple_bind_s Done
11-Apr-2008 14:21:50 Error Invalid Credentials
```

By default, we search **SAMAccountName**.

Hence, you need to check whether the username given matches **SAMAccountName**. If it does not match, then you need to find out the exact value, which is common. To find out this you need to use Microsoft utility or external utility, we recommend you to download any LDAP Browser. (NOTE: We are not responsible for any damage done by other utilities.)

Then connect your LDAP giving same credentials. So you will get all values related SAMAccountName

In this you can clearly see the sAmAccountName and its value. If it differs in your case then you have to find out for common value.



In most cases "mail" or "userPrincipalName" would be common. Now next question is where to define this value.

To define this value please follow the below procedure:

Open regedit.

Browse for the below key

**[HKEY\_LOCAL\_MACHINE\SOFTWARE\MicroWorld\WebServer]**

On right hand side windows pane find for the below entry.

"AuthenticateThru"=""

Here you need to put the values. After entering the related value the entry would look like this

"AuthenticateThru"=" **userPrincipalName** "

And instead of **CN=Users,DC=test,DC=com** this Base DN put only **DC=test,DC=com**. So it will check all containers other than "Users"

Close the regedit and then try to test the connection. After doing above things if you are unable to get it work. Please contact [support@mwfi.net](mailto:support@mwfi.net)