

## How to Configure NTLM Authentication

<https://campus.barracuda.com/doc/43224175/>

Integrate the Barracuda NextGen Firewall X-Series with your NT LAN Manager (NTLM) authentication server to authenticate NTLM domain users via their Microsoft Windows credentials. To enable transparent authentication against your NTLM server, join the X-Series Firewall to the NTLM domain as an authorized host.

### Step 1. Configure NTLM Authentication

1. Go to the **USERS > External Authentication** page.
2. Click the **NTLM** tab.
3. Enter the NTLM/Kerberos realm name in the **Domain Realm** field.  
Always enter the Domain Realm in uppercase letters. E.g., MYDOMAIN.COM
4. Enter the **Netbios Domain Name**.
5. (Optional) Enter the MS Active Directory **Workgroup Name**.
6. In the **Domain Controller** field, enter the hostname or IP address of the domain controller.  
The hostname must be DNS resolvable.
7. (Optional) Enter the hostname of the domain's Windows Internet Name Service server in the **WINS Servers** field.
8. Select the authentication scheme to retrieve group information from.

#### AUTHENTICATION SERVICES

DC Agent	TS Agent	Active Directory	<b>NTLM</b>	LDAP	RADIUS	OCSP
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Domain Realm:	<input type="text" value="MYDOMAIN.COM"/>
Netbios Domain Name:	<input type="text" value="MYDOMAIN"/>
Workgroup Name:	<input type="text" value="MYWORKGROUP"/>
Domain Controller:	<input type="text" value="dc.mydomain.com"/>
WINS Servers:	<input type="text"/>
Group Information From:	<input type="text" value="MSAD"/>
Windows Domain Username:	<input type="text"/>
<small>A user with administrative privileges is required to join the Barracuda Firewall to your Windows domain.</small>	
Windows Domain Password:	<input type="password"/>

9. Click **Save**.

The configuration is now added to the **EXISTING AUTHENTICATION SERVICES** table.

## Step 2. Join the X-Series Firewall to the Domain

Join the X-Series Firewall to the NTLM domain as an authorized host.

1. Go to the **USERS > External Authentication** page.
2. Click the **NTLM** tab.
3. Enter the **Windows Domain Username**.
4. Enter the **Windows Domain Password**.
5. Click **Save**.
6. Click **Join Domain**.

**AUTHENTICATION SERVICES**

DC Agent TS Agent Active Directory **NTLM** LDAP RADIUS OCSP

Domain Realm:

MYDOMAIN.COM

Netbios Domain Name:

MYDOMAIN

Workgroup Name:

MYWORKGROUP

Domain Controller:

dc.mydomain.com

WINS Servers:

Group Information From:

MSAD ▼

Windows Domain Username:

myuser

A user with administrative privileges is required to join the Barracuda Firewall to your Windows domain.

Windows Domain Password:

.....

Join Domain

Registration Status

You can check the status of the domain registration by clicking **Registration Status**.

Your NTLM domain users can now authenticate on the X-Series Firewall using their Microsoft Windows

credentials.

## Figures

1. ntlm01\_67.png
2. ntlm02\_67.png

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