

How to Join a Windows Domain

<https://campus.barracuda.com/doc/13861305/>

To successfully join the Barracuda NextGen Firewall X-Series to a Windows domain, you must first configure DNS, Active Directory authentication, and NTLM authentication. Joining a domain is required for NTLM or MS-CHAP authentication requests to be accepted by the domain controller. This is important for Client-to-Site VPN access and user-based firewall rules.

Step 1. Configure DNS

Because many of the requests for a domain join and subsequent authentication must query the domain controller directly, you must specify your domain controllers in the DNS configuration.

1. Go to the **NETWORK > IP Configuration** page.
2. In the **DNS Configuration** section, enter the IP addresses of your first and second domain controllers.
3. Click **Save Changes**.
4. Verify that the X-Series Firewall has a host entry in your Active Directory. By default, the hostname is the product model name. For example, the hostname for a Barracuda NextGen Firewall X200 is X200.

Step 2. Configure Active Directory Authentication

To configure Active Directory authentication:

1. Go to the **USERS > External Authentication** page.
2. Click the **Active Directory** tab.
3. Add the information for your primary domain controller. It is critical that your settings are correct and match the domain.
 - If you want to use group selection with MS-CHAP authentication, enable **Cache MSAD Groups**.
 - For the domain join, you do not need to configure the settings in the **Extended** section.
 - Enter the **Searching User** as: user@domain .

Do not use domain\user formatting as this may cause problems with some Active Directory servers.

For more details about the settings, click **Help** on the page.

4. Click **Save Changes**.

Step 3. Configure NTLM Authentication

To configure NTLM authentication:

1. Go to the **USERS > External Authentication** page.
2. Click the **NTLM** tab.
3. Configure and save the NTLM settings.

It is not necessary to have WINS running on your domain, but you must configure the **WINS Servers** setting.

4. Click **Save Changes**.

Step 4. Join the Domain

To join the domain:

1. Go to the **USERS > External Authentication** page and open the **NTLM** tab.
2. In the **Windows Domain Username** and **Windows Domain Password** fields, enter the credentials for a user account with permissions to join the domain (such as an administrator). These user credentials are not saved and are only used once during the join attempt.
3. Click **Join Domain**.
4. To verify that the join was successful, click **Registration Status**.

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