How to Configure Inline Firewall Authentication

https://campus.barracuda.com/doc/46209150/

Inline authentication intercepts unauthorized users HTTP or HTTPS connections and redirects them to a login page on the Barracuda NextGen Firewall F-Series. After successful authentication the user is forwarded to the original destination. This type of authentication is used to allow HTTP/HTTPS access to authenticated users. Access rules using inline authentication do not block non HTTP or HTTPS traffic even from unauthorized users. To avoid browser certificate errors, use a signed SSL certificate or install the root certificate of the self-signed certificate on all client computers using Inline Authentication.

In this article:

Before you Begin

Choose and configure the authentication scheme. For more information, see Authentication.

Step 1. Configure the Firewall Authentication Settings

For a basic configuration, only a default HTTPS certificate and the corresponding key is required. Download and install the root certificate on all client computers to avoid browser certificate errors.

1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > *your virtual server* > Assigned Services > Firewall > Forwarding Settings**.
2. In the left menu, select **Authentication**.
3. Click **Lock**.
4. To configure the firewall authentication, HTTP, and HTTPS settings, click **Edit** next to **Operational Settings**.
5. Click the **Operational Settings Edit** button. The **Operational Settings** window opens.
6. (optional) Set **Refresh auth every ... min** to the number of minutes the authentication is valid for. Default: 5
7. (optional) Set **Refresh auth tolerance ... min** to the number of minutes that a peer does not have to authenticate again after reconnecting.
8. Click **OK**.
9. Import or create the **Default HTTPS Private Key** and **Default HTTPS Certificate**.

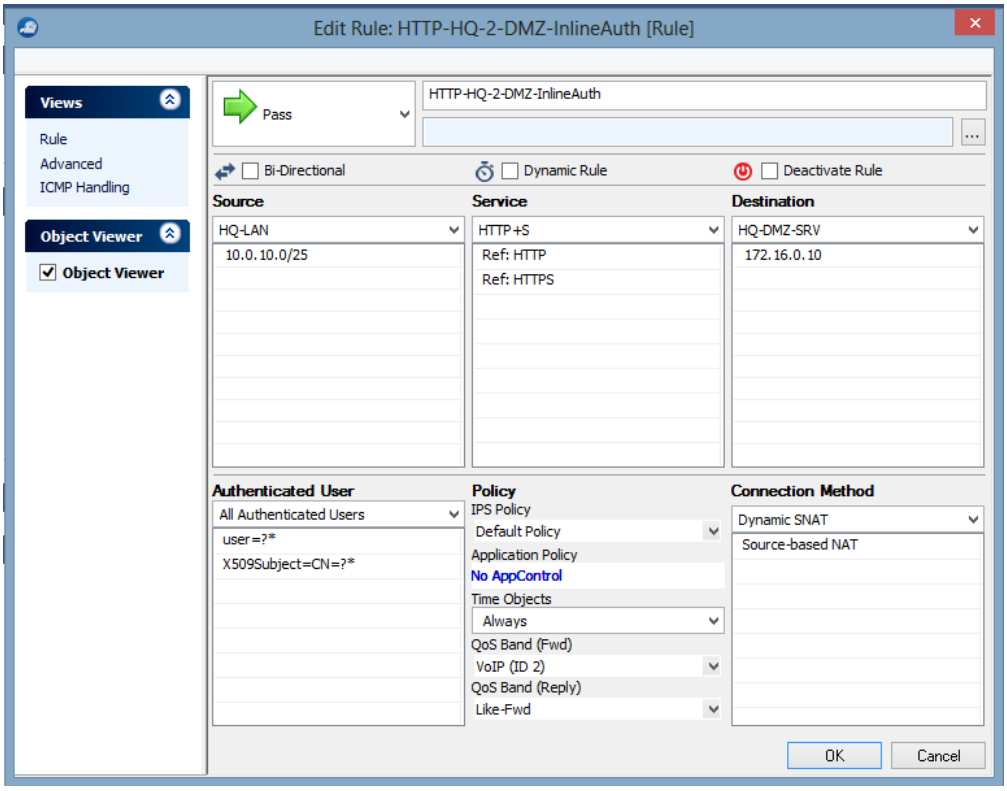
   The **Name** of the certificate must be the IP address or a FQDN resolving to the IP address of the Barracuda NextGen Firewall F-Series. This value is used to redirect the client to the

authentication daemon.

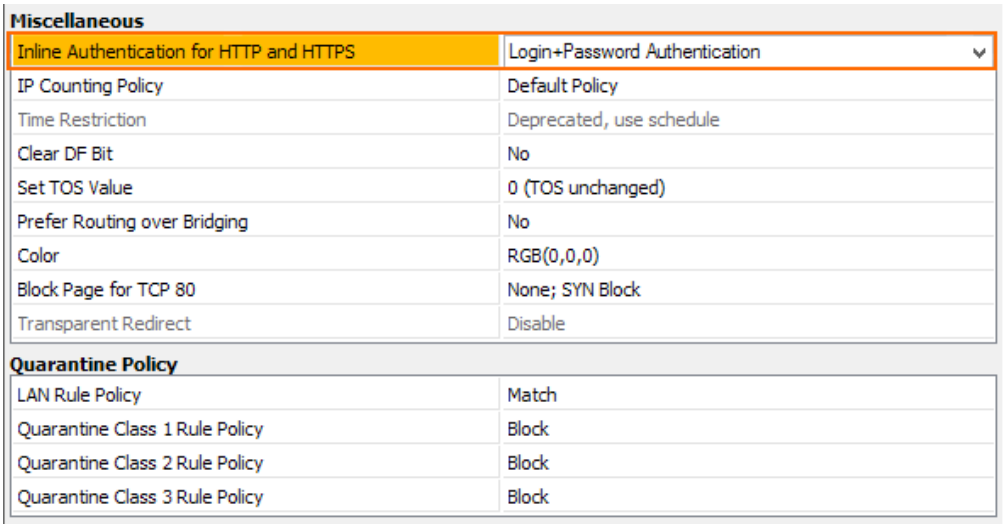
10. In the **Metadirectory Authentication** section, select a previously configured **Authentication Scheme**. For more information, see Authentication.
11. Click **Send Changes** and **Activate**.

Step 2. Create the Access Rule for Inline Authentication

1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > *your virtual server* > Assigned Services > Firewall > Forwarding Rules**.
2. Create an access rule that allows HTTP+S connections to the web server.



3. In the left menu of the rule editor window, click **Advanced**.
4. In the **Miscellaneous** section, select **Login+Password Authentication** from the **Inline Authentication for HTTP and HTTPS** list.



Miscellaneous	
Inline Authentication for HTTP and HTTPS	Login+Password Authentication
IP Counting Policy	Default Policy
Time Restriction	Deprecated, use schedule
Clear DF Bit	No
Set TOS Value	0 (TOS unchanged)
Prefer Routing over Bridging	No
Color	RGB(0,0,0)
Block Page for TCP 80	None; SYN Block
Transparent Redirect	Disable
Quarantine Policy	
LAN Rule Policy	Match
Quarantine Class 1 Rule Policy	Block
Quarantine Class 2 Rule Policy	Block
Quarantine Class 3 Rule Policy	Block

5. In the left menu, click **Rule**.
6. In the **Authenticated User** section, specify the users this rule should match for. You can either define a user group object or create an explicit user condition for this rule.
    - To grant access to all authenticated users, select *All Authenticated Users*.
    - To create an explicit user condition:
        - Select *<explicit-user>* .
        - Right-click the table and select **Edit**.
        - In the **Edit/Create User Object** window, click **New**.
        - In the **User Condition** window, specify all authenticated users that are allowed access to the web server.
        - Click **OK**.
7. Click **Send Changes** and **Activate**.

Figures

1. inline_auth01.png
2. inline_auth02.png