

How to Configure Guest Access with a Confirmation Page

<https://campus.barracuda.com/doc/79463021/>

The guest access confirmation page allows you to control access to the Internet or other networks by only allowing authenticated users. Unauthenticated users are redirected to a customizable confirmation form on the Barracuda CloudGen Firewall. After clicking **Proceed** a user in the form LP-<IP Address> is created. Users who have already been authenticated or have been identified by the Barracuda DC Agent are not prompted to log in. The authentication expires after 20 minutes.

Step 1. Enable Automatic Authentication Redirection

Enable automatic redirection for the clients that should be redirected to the confirmation page.

1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > your virtual server > Assigned Services > Firewall > Forwarding Settings**.
2. Click **Lock**.
3. In the left menu, click **Authentication**.
4. Click **Edit** next to **Operational Settings**.
5. In the **Automatic Authentication Redirection** section, click **+** next to the **Affected networks** and add the source networks for the clients that should be redirected to the authentication page.
6. Click **OK**.
7. Click **Send Changes** and **Activate**.

Step 2. Enter the Guest Access Confirmation Text

You can customize the text the user has to acknowledge.

1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > your virtual server > Assigned Services > Firewall > Forwarding Settings**.
2. Click **Lock**.
3. In the left menu, click **Guest Access**.
4. (optional) Modify the **Renew Confirmation After (min)** entry to configure a longer or shorter authentication expiration time.
5. (optional) Modify the **Auto Renew Confirmation (min)** entry. During this time span (in minutes) the user is automatically logged in again without having to re-authenticate.
6. Enter the **Confirmation text**. You can use HTML tags.

Timing

Renew Confirmation After (min.)

Auto. Renew Confirmation (min.)

Customization (Confirmation)

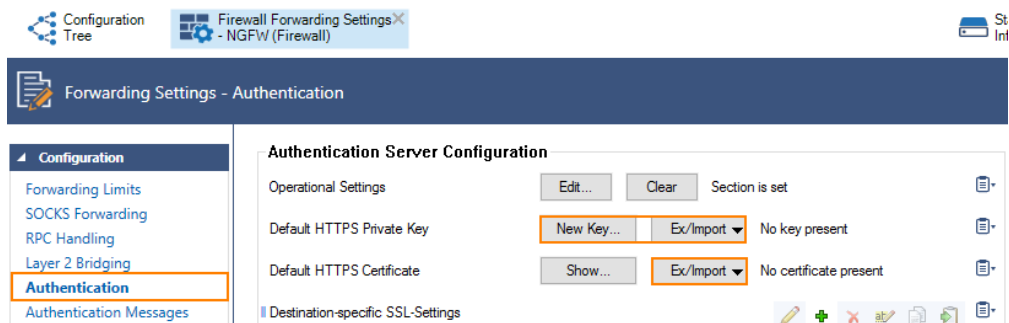
Confirmation text

7. Click **Send Changes** and **Activate**.

Step 3. Create Certificate for Authentication

For authentication, a private key and an HTTP certificate has to created.

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. If you want to create a new private HTTPS key, click **New Key...**
 1. The Key Length windows is displayed.
 2. Modify the key length or just click **OK** to accept.
4. (alternatively) If you want to import a private HTTPS key, click Ex/Import for **Default HTTPS Private Key**.
 1. **Import from Clipboard** - Select this list entry if you you have previously copied a key to the clipboard.
 2. Import from File - Select this entry if you want to import a key from a file.
5. For creating a new certificate, click **Ex/Import** for **Default HTTPS Certificate**.
 1. From the list, choose **Edit...** to fill out the form for the certificate and finally click **OK**.
 2. (alternatively) From the the list, choose **Import** to import information from different sources.

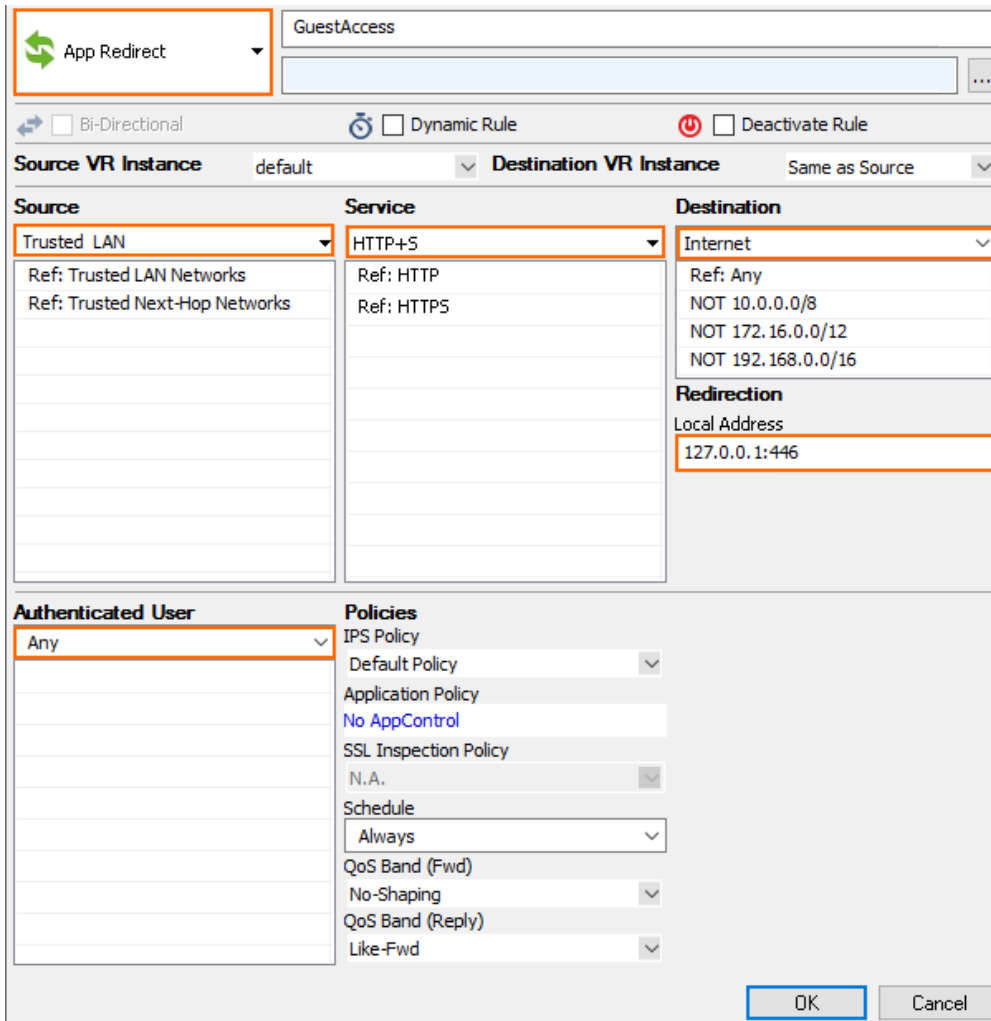


6. Click **Send Changes**.
7. Click **Activate**.

Step 4. Create an App Redirect Access Rule and Pass Access Rule (Optional)

Create an app redirect access rule that redirects the user to the FWauth daemon on Port TCP 446 on the Barracuda CloudGen Firewall, which displays the confirmation page and redirects the user afterwards. Additionally, create a pass access rule that allows HTTP and HTTPS access for authenticated users only. If your access rule set already contains a pass rule that allows Internet access for HTTP/HTTPS traffic, make sure to modify it according to the settings below and place it above the app redirect access rule.

1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > your virtual server > Assigned Services > Firewall > Forwarding Rules**.
2. Click **Lock**.
3. Create an **App Redirect** access rule:
 - o **Action** – Select **App Redirect**.
 - o **Source** – Select the source network(s).
 - o **Service** – Select **HTTP+S**. Since the user has to use a browser to access the confirmation page, limit the service to HTTP and HTTPS.
 - o **Destination** – Select the destination. E.g., **Internet**.
 - o **Redirection** – Enter **127.0.0.1:446**
 - o **Authenticated User** – Select **Any**.
4. Click **OK**.



The screenshot shows the configuration for an **App Redirect** rule named **GuestAccess**. The rule is set to **Bi-Directional** and **Dynamic Rule**. The **Source VR Instance** is **default** and the **Destination VR Instance** is **Same as Source**.

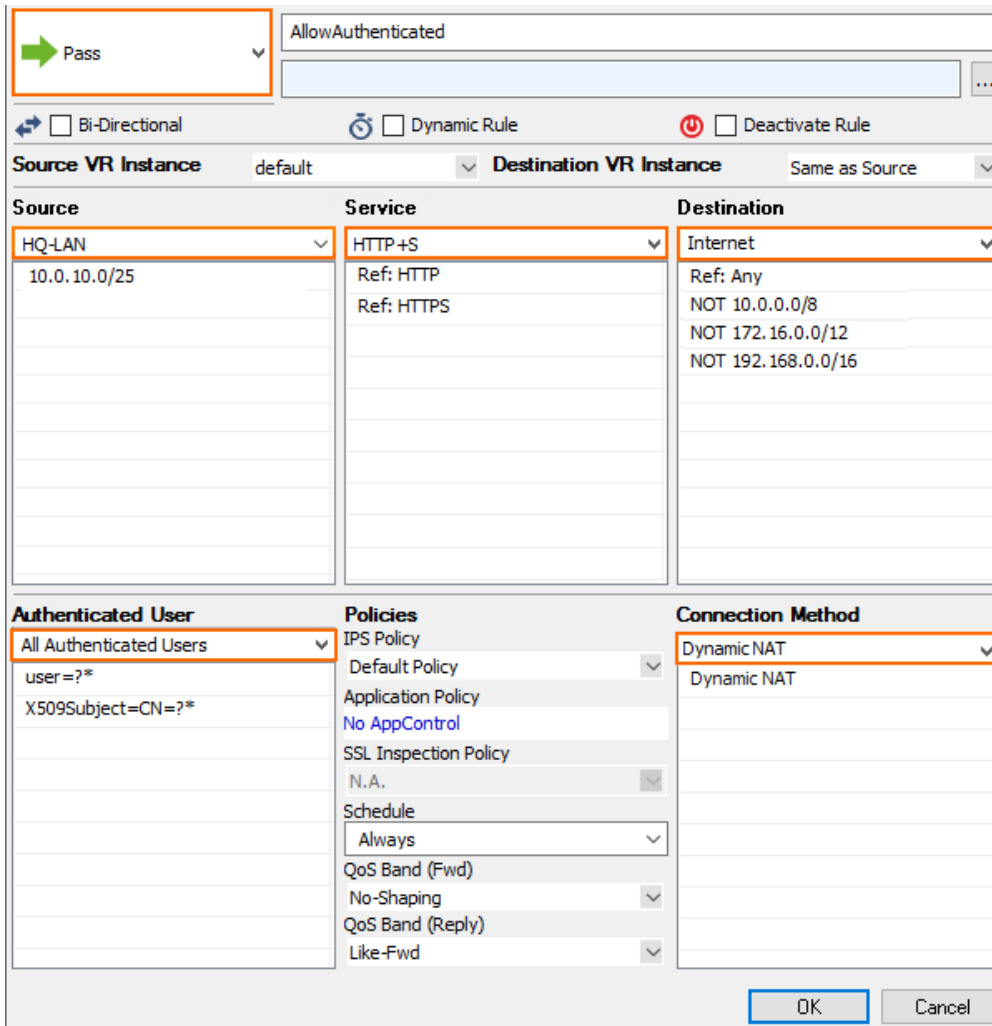
Source	Service	Destination
Trusted LAN Ref: Trusted LAN Networks Ref: Trusted Next-Hop Networks	HTTP+S Ref: HTTP Ref: HTTPS	Internet Ref: Any NOT 10.0.0.0/8 NOT 172.16.0.0/12 NOT 192.168.0.0/16

Redirection
Local Address: 127.0.0.1:446

Authenticated User	Policies
Any	IPS Policy: Default Policy Application Policy: No AppControl SSL Inspection Policy: N.A. Schedule: Always QoS Band (Fwd): No-Shaping QoS Band (Reply): Like-Fwd

Buttons: **OK** and **Cancel**

5. Create an **Pass** access rule:
 - **Action** – Select **Pass**.
 - **Source** – Select the source network(s).
 - **Service** – Select **HTTP+S**.
 - **Destination** – Select the destination. E.g., **Internet**.
 - **Connection Method** – Select **Dynamic Source NAT**
 - **Authenticated User** – Select **All Authenticated Users**.
6. Click **OK**.



7. Place the access rule so that it is the first rule to match for HTTP+S and unauthenticated users, but after the rule allowing DNS access if the DNS server is not in the local network.
8. Verify the correct access rule order.

Guest Access (2)							
Pass Dynamic SNAT	AllowAuthenticated		HTTP+S TCP 443, TCP 80	Trusted LAN	All Authenticated Users X509Subject=CN=?*, user=?*	Internet 0.0.0.0/0, NOT 10.0.0.0/8, ...	Always
App Redirect 127.0.0.1:446	GuestAccess		HTTP+S TCP 443, TCP 80	Trusted LAN	Any	Internet 0.0.0.0/0, NOT 10.0.0.0/8, ...	Always

9. Click **Send Changes** and **Activate**.

Log in Using the Guest Access Confirmation Page

1. Open the browser and enter an URL.
2. If you are unauthenticated, you are redirected to the confirmation page.
3. Click **Proceed**.
4. You are now redirected to the original URL.

Figures

1. CP_confirm01.png
2. firewall_forwarding_settings_https_create_certificate.png
3. CP_confirm02.png
4. CP_Auth_Users.png
5. CP_Rule_Order.png

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