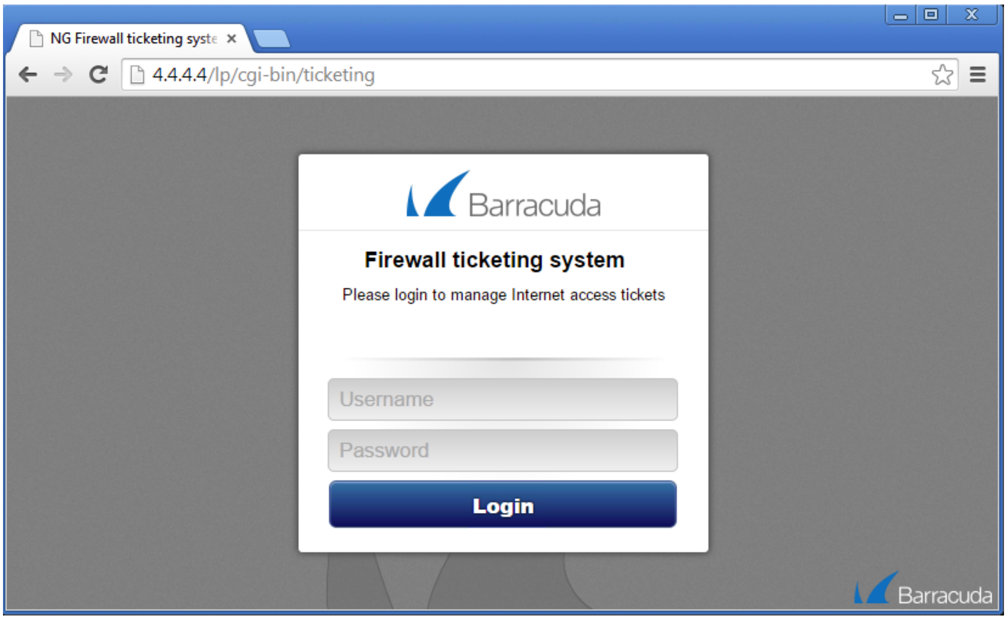
How to Configure Wi-Fi Guest Access

https://campus.barracuda.com/doc/96026037/

Wi-Fi guest access can only be used for Wi-Fi users. For a more generic guest access configuration (ticketing and confirmation page), see Firewall Authentication and Guest Access.

You can configure a fully customizable web-based portal that displays a disclaimer and requests login credentials from users when they first try to access the Internet or special network segments. For example, you can configure a Guest Access that looks similar to the following page:


NG Firewall ticketing syste
4.4.4.4/lp/cgi-bin/ticketing
Barracuda
Firewall ticketing system
Please login to manage Internet access tickets
Username
Password
Login
Barracuda

To administer tickets for the Guest Access, you can also enable a web-based backend user interface for creating, deleting, managing, or printing tickets.

Step 1. Enable Guest Access

1. Go to **CONFIGURATION** > **Configuration Tr ee** > **Box** > **Assigned Services** > **Wi-Fi** > **Wi-Fi AP Configuration** .
2. Click **Lock**.
3. From the **Guest Access** list, select either **Confirmation** or **Ticketing**. If you want to disable the Guest Access, select **None**.
4. Click **Send Changes** and **Activate**.

Step 2. Configure Guest Access

1. Go to **CONFIGURATION** > **Configuration Tr ee** > **Box** > **Assigned Services** > **Firewall** > **Forwarding Settings** .
2. In the left menu, select **Guest Access**.
3. Click **Lock**.
4. You can specify the following settings for the Guest Access:

Section	Setting	Description
Timing	**Renew Confirmation After (min.)**	The time period after which users must re-enter their login credentials. When deleting ticketing users, the user can still access the guest network for the duration of this value. To force a user to be blocked immediately, you must delete the ticketing or confirmation user in **FIREWALL > Users** and terminate all existing firewall sessions in **FIREWALL > Live** for that user.
	Auto. Renew Confirmation	Confirmation is automatically renewed within this time period, after the last confirmation has timed out. The user does not need to re-enter login credentials.
Customization (Confirmation)	**Custom Text**	Custom text that is displayed on the confirmation window. If left blank, the default Barracuda Networks disclaimer is displayed.
	Header Logo	(Only visible in advanced view) The customizable header image for confirmation Guest Access. In order for the web server to access the header logo for Guest Access, the image file must be stored in the directory `/lp/lib`. Therefore, it is necessary to enter the full path, which consists of the path and the fully qualified file name that also includes the file type. For example: `/lp/lib/ myCustomLogoHeader .png` Add the fully qualified path, including the file name with the file name extension as the reference for the header logo. For example: `/lp/lib/ myCustomLogoHeader .png` The maximum size for the image is 250 x 60 pixels.
	Custom Page	(Only visible in advanced view) A custom *index.html* file for the Guest Access. See the description below this table to learn how to configure the custom HTML code. Before specifying an *index.html* page in this field, you must upload it. From the **Configuration** menu in the left navigation pane, click **Authentication Messages**. Add the file to the **Custom HTML Files** table.

Customization (Ticketing)	**Custom Text**	Custom text that is displayed on the confirmation window. If left blank, the default Barracuda Networks disclaimer is displayed.
	Header Logo	(Only visible in advanced view) The customizable header image for ticketing Guest Access. From the **Configuration** menu in the left navigation pane, click **Authentication Messages**. Add the picture to the **Custom HTML Files** table within the `lP` subdirectory.
	Custom Page	(Only visible in advanced view) A custom *index.html* file for the Guest Access. See the description below this table to learn how to configure the custom HTML code. Before specifying an *index.html* page in this field, you must upload it. From the **Configuration** menu in the left navigation pane, click **Authentication Messages**. Add the file to the **Custom HTML Files** table.
Ticketing Administration User	**Username**	The username for the administrator of the ticketing list backend page.
	Password	The password for the administrator of the ticketing list backend page.
Additional Guest Access Networks	**Network**	Defines additional network segments (except the Wi-Fi network where Guest Access are served to clients). You can select a network object or manually enter a network segment.
	Type	The type of Guest Access for the additional network segments. You can select **Confirmation** or **Ticketing**.

The customizable *index.html* page mentioned above is also the HTML template for the **Next Token**, **New Pin, Accept New Pin** and **One-time Password Authentication** pages. You can use special tags in HTML comments within the *index.html* to enter content to be displayed only on the respective pages. The following tags are available:

- Next token: `%%NEXTTOKENMSG-BEGIN%% %%NEXTTOKENMSG-END%%`
- New pin: `%%NEWPIN-BEGIN%% %%NEWPIN-END%%`
- Accept new server-generated PIN: `%%ACCEPTNEWPIN-BEGIN%% %%ACCEPTNEWPIN-END%%`
- One-time password authentication: `%%OTP-BEGIN%% %%OTP-END%%`

Start your conditional HTML code block with a comment tag (<!–) directly followed by the respective special opening tag, and end it with a closing comment tag (`-->`) directly preceded by the respective special ending tag.

```
<!--

%%NEXTTOKENMSG-BEGIN%%
```

```
<div id="twofactorinfo">

<p>RSA ACE server requires a<br><strong>Next token authentication</strong>.<br>

Please enter the next token as Password.<br>

</div>

%%NEXTTOKENMSG-END%%

-->
```

The following code block writes the token ID into a hidden form field and is therefore always required. Copy and paste it into your HTML page.

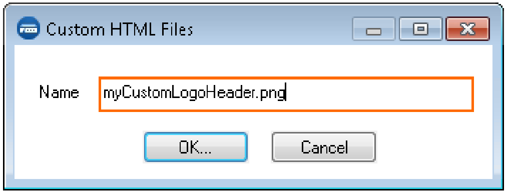
```
<!--

%%NEXTTOKEN-BEGIN%%

<input

type=hidden

name="nexttoken"

value="%%NEXTTOKEN%%"/>

%%NEXTTOKEN-END%%

-->
```

(optional) Step 3. Upload Custom Header Logo for Guest Access

In case you want to display custom header logos for Guest Access, you must upload the image file. Note that in order for the web server to access the file, it is necessary to set the path to `/lp/lib`.

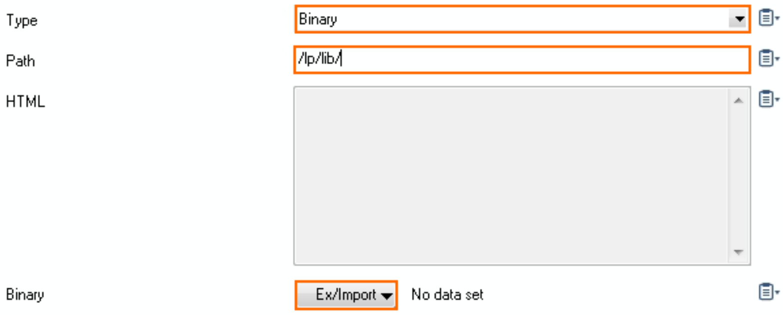
1. In the left menu, click **Authentication Messages**
2. Click **+** to add a custom image header file.
3. In the window, enter the full file name including the file extension, i.e.,

`myCustomLogoHeader.png`



Name: myCustomLogoHeader.png

4. From **Type**, select **Binary**.
5. Enter `/lp/lib` for the **Path**.
6. Click **Ex/Import** to select the source where to upload the header logo image from.



Type: Binary
Path: /lp/lib/
Binary: No data set

7. Click **OK**.
8. Click **Send Changes**.
9. Click **Activate**.

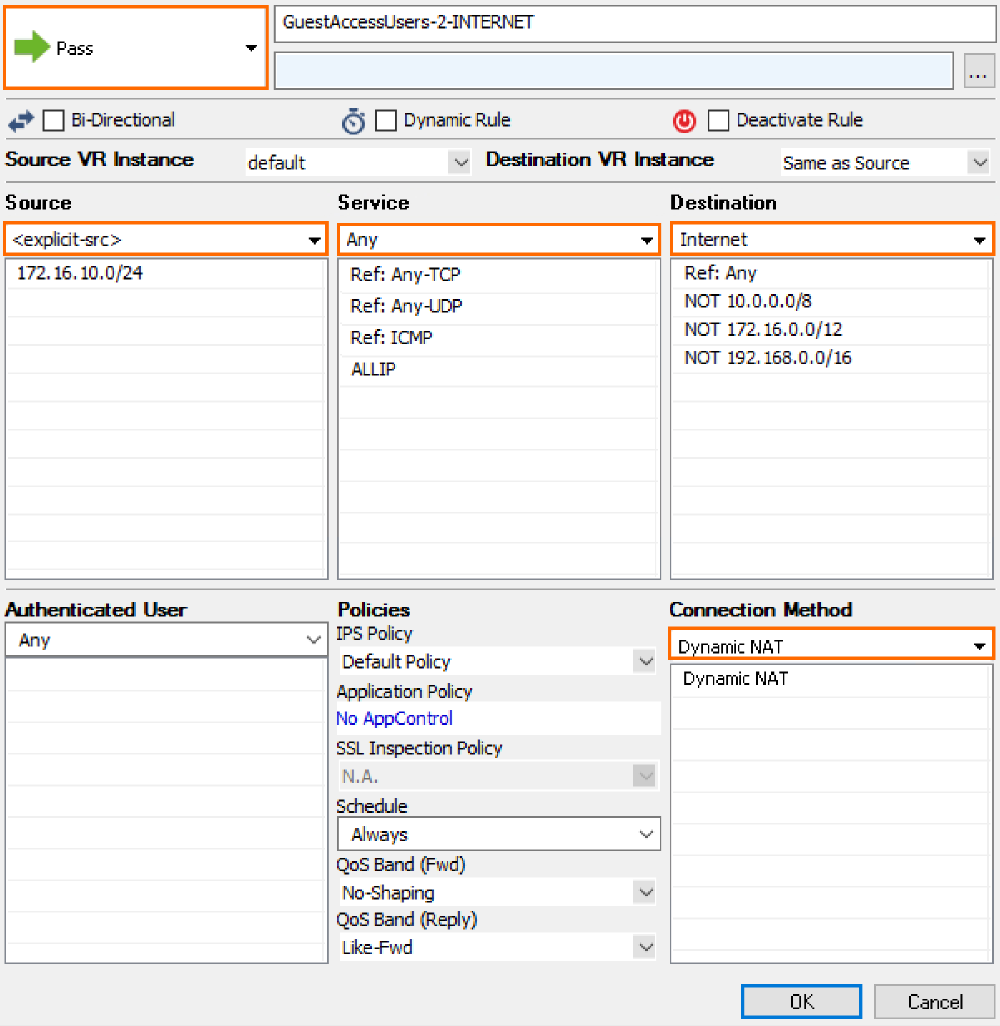
View Authenticated Users

To see a list of authenticated users, go to the **FIREWALL > Users** page. On this page, successfully authenticated users are listed with either the `LP-` or `TKT-` prefix, followed by the IP address of the client.

Authenticated Users in Access Rules

Using the IP addresses on the **FIREWALL > Users** page, you can create access rules to regulate network access for authenticated users. In the rule editor window, specify the authenticated users in the **Authenticated User** field.

For example, a user is successfully authenticated from the Guest Access on a client with the IP address of 172.16.10.100. On the **FIREWALL > Users** page, the authenticated user is displayed with the following identity: `LP-172.16.10.100`. In the following access rule example, this identity string is used to allow Internet access for users that are authenticated on the Guest Access in the 172.16.10.0/24 network:



Pass

GuestAccessUsers-2-INTERNET

□ Bi-Directional □ Dynamic Rule □ Deactivate Rule

Source VR Instance: default

Destination VR Instance: Same as Source

Source: <explicit-src>
172.16.10.0/24

Service: Any
Ref: Any-TCP
Ref: Any-UDP
Ref: ICMP
ALLIP

Destination: Internet
Ref: Any
NOT 10.0.0.0/8
NOT 172.16.0.0/12
NOT 192.168.0.0/16

Authenticated User: Any

Policies
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

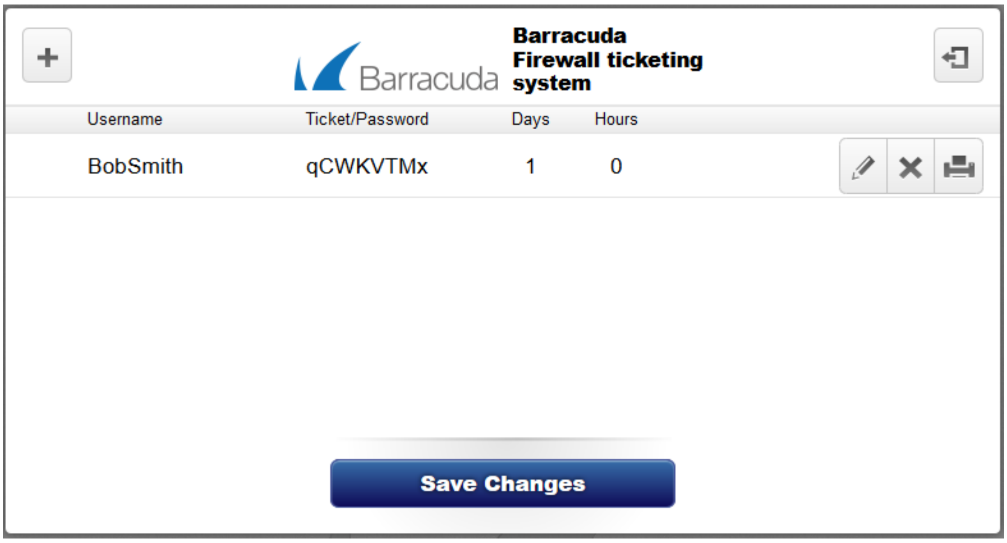
Connection Method: Dynamic NAT
Dynamic NAT

The `user=LP-172.16.10` string indicates that this access rule only applies to users who are residing in the 172.16.10.0/24 network and are currently authenticated through the Guest Access.

For more information on creating access rules, see Access Rules.

Guest Access Ticketing System

To administer tickets for the Guest Access, the Barracuda CloudGen Firewall offers a web-based backend user interface for creating, deleting, managing, or printing tickets.

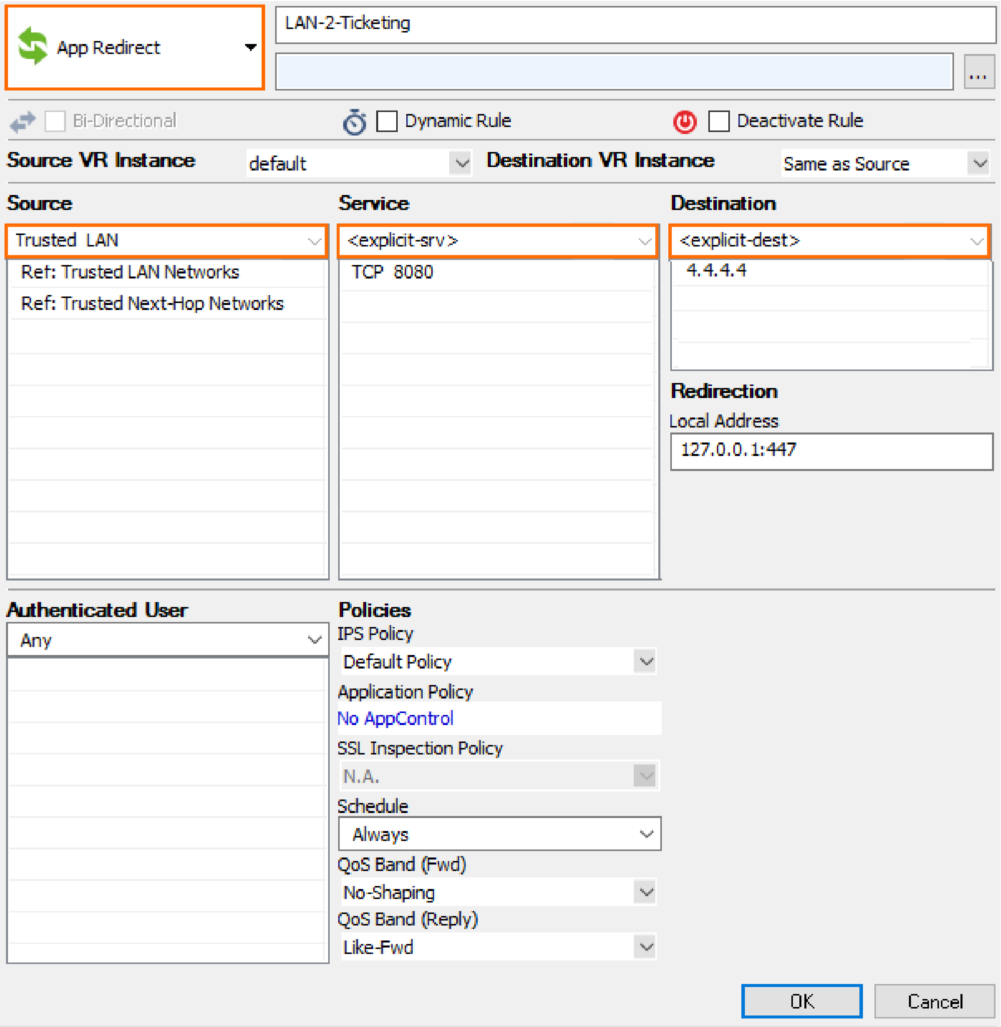


Username	Ticket/Password	Days	Hours
BobSmith	qCWKVTMx	1	0

Access to the Admin Ticket Interface

HTTP requests (port 80/443) that are addressed to the system that is running the Guest Access must be forwarded to the local web server of the system. Create a access rule that forwards these HTTP requests to the local web server.

> It is recommended that you use TCP port 8080 (or similar). For more information, see How to Create an App Redirect Access Rule.



App Redirect

LAN-2-Ticketing

□ Bi-Directional □ Dynamic Rule □ Deactivate Rule

Source VR Instance: default

Destination VR Instance: Same as Source

Source: Trusted LAN
- Ref: Trusted LAN Networks
- Ref: Trusted Next-Hop Networks

Service: <explicit-srv>
- TCP 8080

Destination: <explicit-dest>
- 4.4.4.4

Redirection

Local Address: 127.0.0.1:447

Authenticated User: Any

Policies

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

Ticketing Next Steps

After you create an access rule that grants access to the ticket system, you can connect to the ticketing interface from a web browser.

1. In a web browser, enter: `http://<IP:port>/lp/cgi-bin/ticketing`
2. On the ticketing system login page, enter the login credentials that you specified in the **Ticketing Administration User** section when configuring the Guest Access.

For more information, see How to Manage Guest Tickets - User's Guide .

Figures