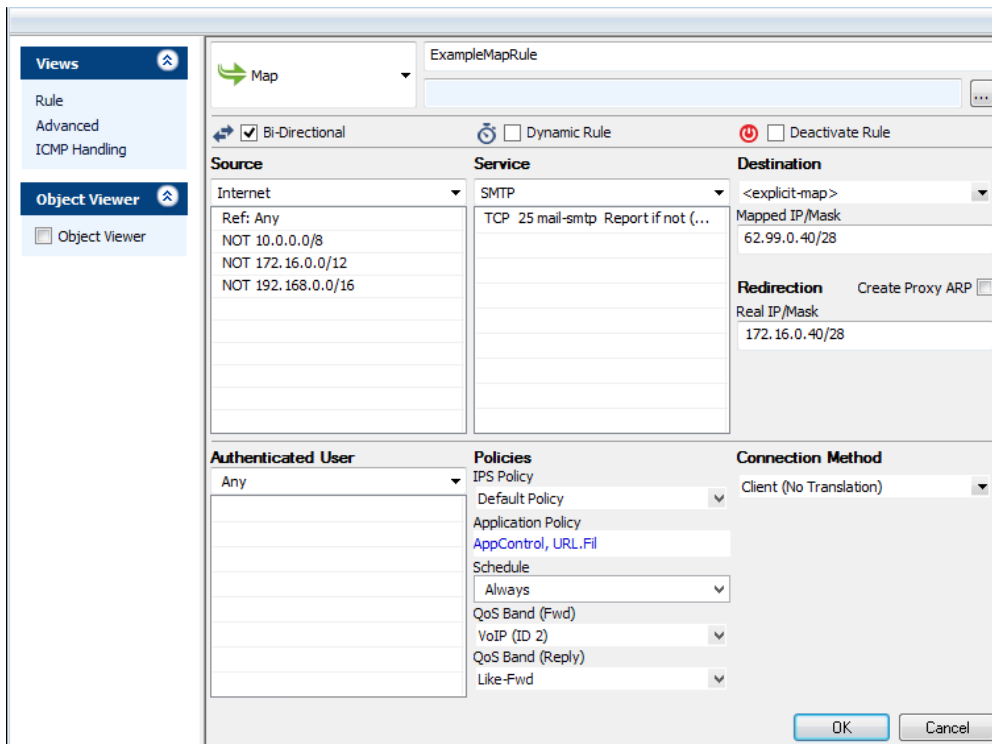


How to Create a Map Access Rule

<https://campus.barracuda.com/doc/48203303/>

A **Map** access rule rewrites incoming network ranges or IP address to destination networks or IP ranges, just like a Dst NAT rule does for a single IP address. You can use a [NAT Table](#) as an object for the **Destination** and/or **Connection** settings.

Ensure that the **Destination** network is the same size or smaller than the network used to redirect the request. Otherwise, the firewall wraps the larger source network into the smaller redirection network.



The screenshot shows the configuration window for a 'Map' rule named 'ExampleMapRule'. The interface includes a sidebar with 'Views' (Rule, Advanced, ICMP Handling) and 'Object Viewer'. The main configuration area is divided into several sections:

- Source:** Set to 'Internet' with a reference of 'Any' and three excluded networks: 'NOT 10.0.0.0/8', 'NOT 172.16.0.0/12', and 'NOT 192.168.0.0/16'.
- Service:** Set to 'SMTP' with a description 'TCP 25 mail-smtp Report if not (...)'. A 'Dynamic Rule' checkbox is present.
- Destination:** Set to '<explicit-map>' with a 'Mapped IP/Mask' of '62.99.0.40/28'.
- Redirection:** Includes a 'Real IP/Mask' of '172.16.0.40/28' and a 'Create Proxy ARP' checkbox.
- Authenticated User:** Set to 'Any'.
- Policies:** Includes 'IPS Policy' (Default Policy), 'Application Policy' (AppControl, URL.Fil), 'Schedule' (Always), 'QoS Band (Fwd)', 'VoIP (ID 2)', 'QoS Band (Reply)', and 'Like-Fwd'.
- Connection Method:** Set to 'Client (No Translation)'.

Buttons for 'OK' and 'Cancel' are located at the bottom right.

Create a Map access rule

1. Go to **CONFIGURATION > Configuration Tree > Box > Virtual Servers > your virtual server > Assigned Services > Firewall > Forwarding Rules**.
2. Click **Lock**.
3. Either click the plus icon (+) in the top right of the rule set, or right-click the rule set and select **New > Rule**.



4. Select **Map** as the action.

5. Enter a **Name** for the rule. For example, ExampleMapRule.
6. Select the the **Bi-Directional** check box.
7. Specify the following settings that must be matched by the traffic that to be handled by the access rule:
 - **Source** – The source addresses of the traffic. For example, select **Internet**.
 - **Destination** – Enter the destination network, or select a [NAT table Connection object](#).
 - **Service** – Select a service object, or select **Any** for this rule to match for all services.
8. Enter the **Redirection** IP address or network. This is the network range that the connections will be rewritten to.
9. If the redirection IP network is not physically present on a network interface, select the **Create Proxy ARP** check box. For the example above, proxy ARP is not needed.
10. From the **Connection Method** list, select **Client (No Translation)**.
11. Click **OK**.
12. Drag and drop the access rule so that it is the first rule that matches the traffic that you want it to forward. Ensure that the rule is located *above* the BLOCKALL rule; rules located below the BLOCKALL rule are never executed.
13. Click **Send Changes** and **Activate**.

Additional Matching Criteria

- **Authenticated User** – For more information, see [User Objects](#).
- **Connection Method** – For more information, see [Connection Objects](#).

Additional Policies

- **IPS Policy**– For more information, see [Intrusion Prevention System \(IPS\)](#).
- **Application Control** – For more information on all Application Control features, see [Application Control](#).
- **Schedule Objects** – For more information, see [Schedule Objects](#).
- **QoS Band (Fwd) or QoS Band (Reply)** – For more information, see [Traffic Shaping](#)

Figures

1. FW_Map_Rule.png
2. FW_Rule_Add01.png

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