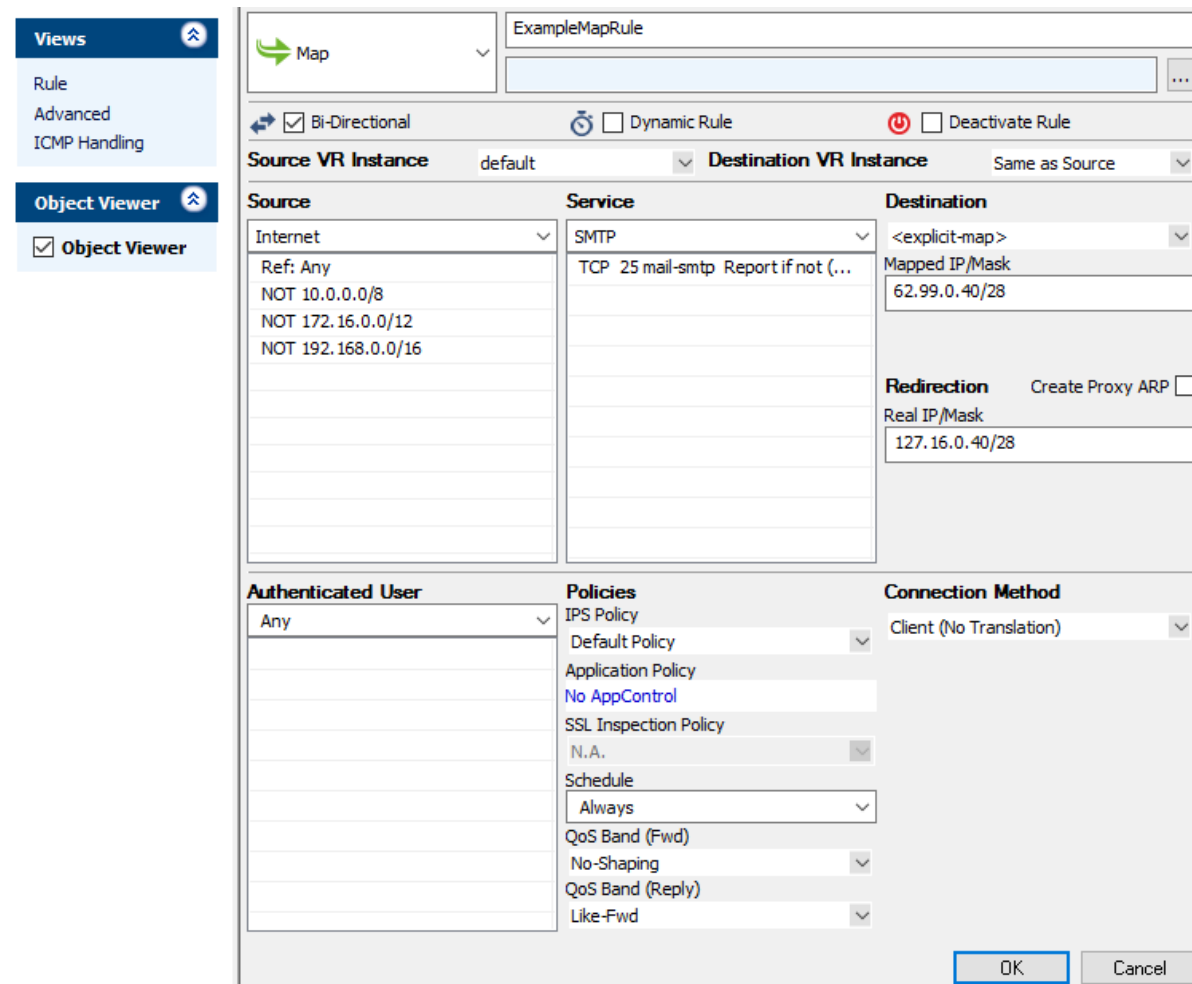


## How to Create a Map Access Rule

<https://campus.barracuda.com/doc/79462927/>

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 Access Rule named "ExampleMapRule". The interface includes a sidebar with "Views" (Rule, Advanced, ICMP Handling) and "Object Viewer" (Object Viewer). The main configuration area is divided into several sections:

- Map:** A dropdown menu showing "Map" and a text field for the rule name "ExampleMapRule".
- Options:** Checkboxes for "Bi-Directional" (checked), "Dynamic Rule" (unchecked), and "Deactivate Rule" (unchecked).
- VR Instances:** "Source VR Instance" is set to "default" and "Destination VR Instance" is set to "Same as Source".
- Source:** A dropdown menu set to "Internet". Below it, a list of reference IP ranges: "Ref: Any", "NOT 10.0.0.0/8", "NOT 172.16.0.0/12", and "NOT 192.168.0.0/16".
- Service:** A dropdown menu set to "SMTP". Below it, a list of service details: "TCP 25 mail-smtp Report if not (...".
- Destination:** A dropdown menu set to "<explicit-map>". Below it, a text field for "Mapped IP/Mask" containing "62.99.0.40/28".
- Redirection:** A checkbox for "Create Proxy ARP" (unchecked). Below it, a text field for "Real IP/Mask" containing "127.16.0.40/28".
- Authenticated User:** A dropdown menu set to "Any".
- Policies:** A list of policy settings: "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:** A dropdown menu set to "Client (No Translation)".

At the bottom right, there are "OK" and "Cancel" buttons.

### 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 **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](#).
- **SSL Inspection Policy** – For more information, see [SSL Inspection in the Firewall](#).
- **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

© Barracuda Networks Inc., 2020 The information contained within this document is confidential and proprietary to Barracuda Networks Inc. No portion of this document may be copied, distributed, publicized or used for other than internal documentary purposes without the written consent of an official representative of Barracuda Networks Inc. All specifications are subject to change without notice. Barracuda Networks Inc. assumes no responsibility for any inaccuracies in this document. Barracuda Networks Inc. reserves the right to change, modify, transfer, or otherwise revise this publication without notice.