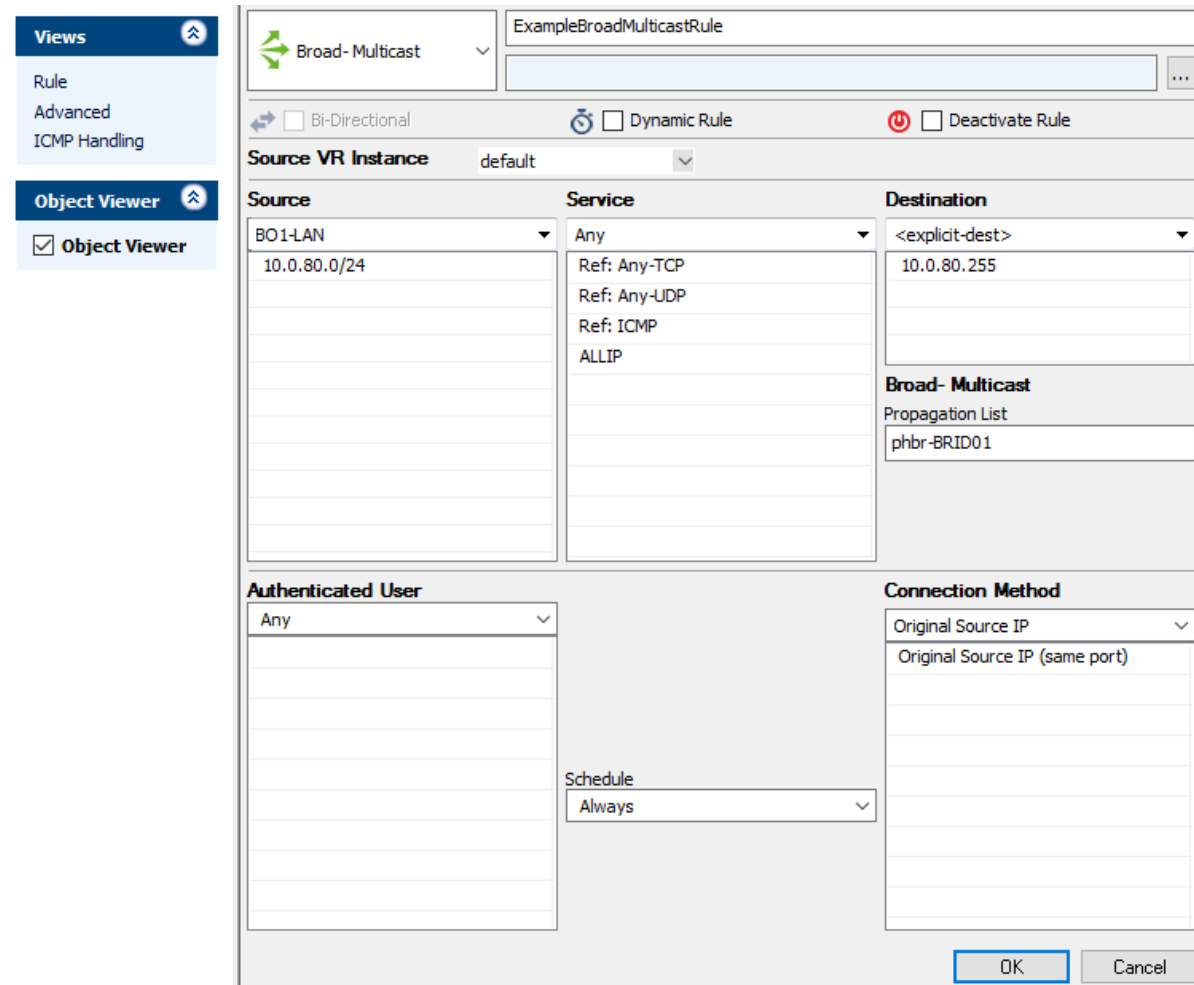


How to Create a Broad-Multicast Access Rule

<https://campus.barracuda.com/doc/73719215/>

A **Broad-Multicast** access rule propagates broadcasts between multiple [bridged network interfaces](#).




The screenshot shows the configuration window for a Broad-Multicast Access Rule. The left sidebar has 'Views' (Rule, Advanced, ICMP Handling) and 'Object Viewer' (Object Viewer). The main configuration area is titled 'ExampleBroadMulticastRule' and includes the following settings:

- Action:** Broad - Multicast
- Bi-Directional:** ☐
- Dynamic Rule:** ☐
- Deactivate Rule:** ☐
- Source VR Instance:** default
- Source:** BO1-LAN, 10.0.80.0/24
- Service:** Any (Ref: Any-TCP, Ref: Any-UDP, Ref: ICMP, ALLIP)
- Destination:** <explicit-dest>, 10.0.80.255
- Broad - Multicast:** Propagation List: phbr-BRID01
- Authenticated User:** Any
- Connection Method:** Original Source IP, Original Source IP (same port)
- Schedule:** Always

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

Create a Broad-Multicast 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 **Broad-Multicast** as the action.
5. Enter a **name** for the rule.
6. Specify the following settings that must be matched by the traffic to be handled by the access rule:
 - **Source** – The bridged network.

- **Destination** – The broadcast addresses that you want to propagate in the network.
 - **Service** – Select a service object, or select **Any** for this rule to match for all services.
7. In the **Broad- Multicast - Propagation List** field, enter the propagation interface or IP address(es). You can also enter a comma-delimited array of (bridged) network interfaces or existing IP addresses.

Propagation List Content	Example	Operation
Mixed list of IP addresses and interfaces	<i>port2,port3,192.168.200.10</i>	IP packets are propagated through the specified interface and in case of IP addresses, the outgoing interface is determined by performing a routing lookup.
Network interface(s)	<i>port2, port3, vpnr0, phbr-BRID01</i>	The IP packets are transmitted unchanged through the specified interface(s). If a bridged port is used, you must enter all bridged ports, and the bridged interface.
IP address(es)	<i>192.168.200.10,10.10.0.100</i>	The target of IP packets is changed according to the specified IP address(es) and packets are delivered after performing a routing lookup.
<interface>:<IP address>	<i>port2:192.168.200.10</i>	The IP packets are transmitted through the specified interface and the target is changed according to the specified IP address. For a standard IP address, a layer 2 broadcast is triggered. For a multicast IP address, a corresponding layer 2 multicast MAC is created.
<interface>:<IP address>!	<i>192.168.200.10!</i>	Forces a layer 2 broadcast and the target MAC address is changed to ff:ff:ff:ff:ff:ff. This will also work if the destination is a multicast address.

8. Click **OK**.
9. 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.
10. 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

- **Time Objects** – For more information, see [Schedule Objects](#).

Figures

1. FW_Broad_Multicast_Rule.png
2. FW_Rule_Add01.png

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