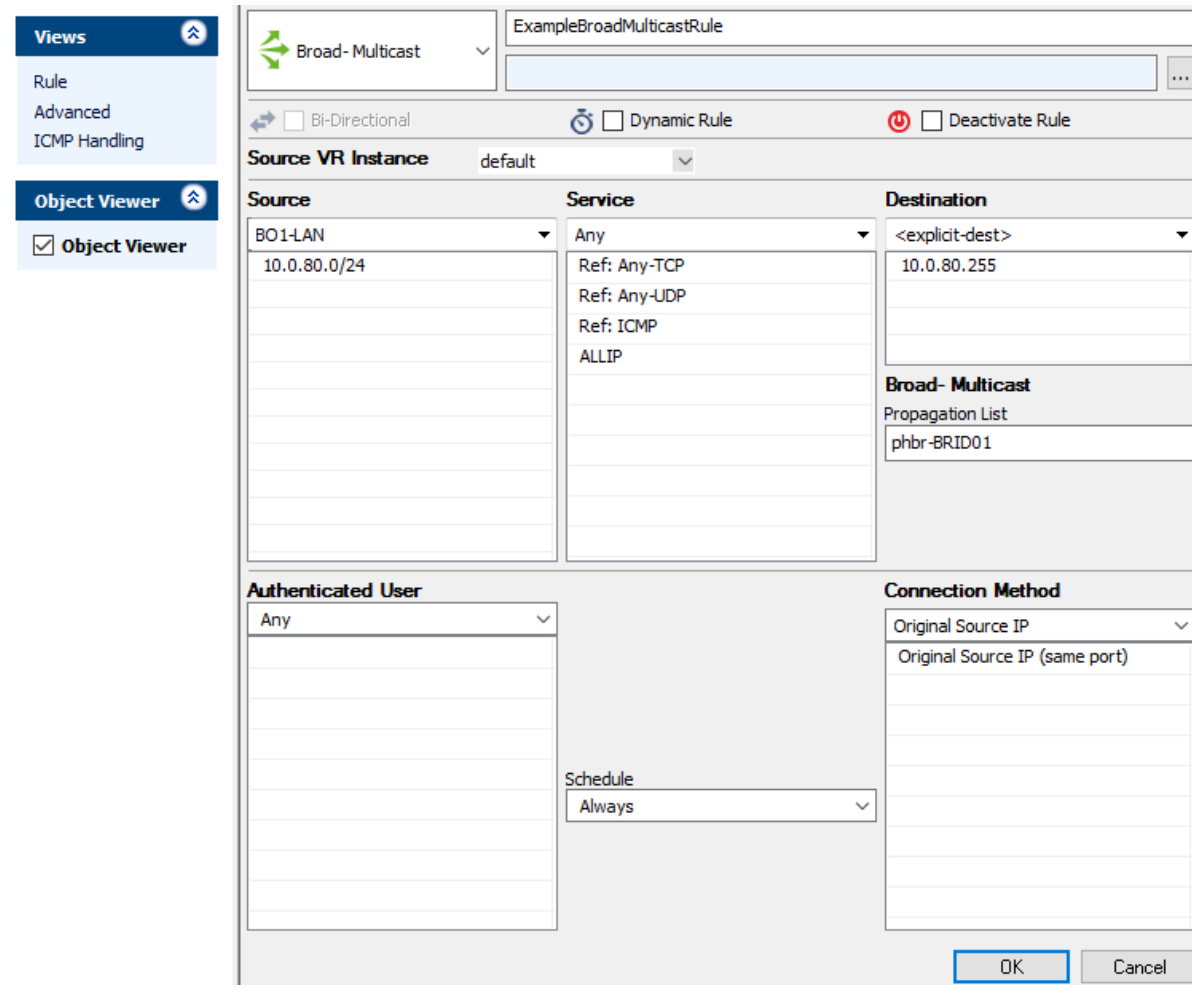


How to Create a Broad-Multicast Access Rule


<https://campus.barracuda.com/doc/79462928/>

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 rule name is "ExampleBroadMulticastRule". The action is "Broad-Multicast". The source is "BO1-LAN" (10.0.80.0/24) and the destination is "<explicit-dest>" (10.0.80.255). The service is "Any" (Ref: Any-TCP, Ref: Any-UDP, Ref: ICMP, ALLIP). The authenticated user is "Any". The connection method is "Original Source IP (same port)". The schedule is "Always". The propagation list is "phbr-BRID01".

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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