

## How to Create Interface Groups

<https://campus.barracuda.com/doc/41115779/>

Processing of a firewall rule does not necessarily need to be associated with the physical network environment on a Barracuda NG Firewall box, which is configured on box level. On systems equipped with multiple network interfaces, you can explicitly define specific interfaces for usage when a rule comes into action.

An interface group specifies the interface that the source address is allowed to use. When you create firewall rules, you can use predefined groups, or if you want to reference custom interfaces that are not in the default list, you can create custom interface groups. For each rule an interface may be assigned to origin and destination of the connection request when selected in the [Connection Objects](#) settings.

### In this article:

#### Predefined Interface Groups

1. Open the **Forwarding Rules** page (**Config > Full Config > Virtual Servers > your virtual server > Assigned Services > Firewall**).
2. From the left navigation pane, expand the **Firewall Objects** menu and select **Interface Groups**.

The following predefined network interface objects are available for selection:

- **Any** - With this setting the first interface matching the request is utilized for the connection in accordance with routing configuration. The packet source is not verified. Reply packets might be forwarded through another interface, if multiple interfaces capable of doing so are available. Not to check the physical source of packets might sometimes be needed in very special configurations.  
For security reasons do not use this setting without explicit need.
- **Matching** (default) - This setting ensures that arriving packets are processed through the same interface, which will forward the corresponding reply packets. Source and destination addresses are thus only reversed. This method aims at preventing a network attack, in which an attacker might try using internal addresses from outside the internal network (IP spoofing).  
With eventing activated (parameter **IP Spoofing** set to **yes**), IP spoofing identification will trigger the events FW IP Spoofing Attempt Detected [4014] and FW Potential IP Spoofing Attempt [4015].
- **RAM, ADSL, DHCP, ISDN, SERIAL, 3G, ...** - Explicitly restricts rule processing to the specified dynamic network interface (if installed and configured).

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## Create an Interface Group

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To create a new interface group, proceed with the following steps:

1. Open the **Forwarding Rules** page (**Config > Full Config > Virtual Servers > your virtual server > Assigned Services > Firewall**).
2. Click **Lock**.
3. Right-click the table and select **New...**
4. In the **Edit/Create an Interface Group** window, enter a descriptive **Name** for the interface group.
5. From the **Interface** drop-down list, select your desired option:
  - **match** (default) - This setting ensures that arriving packets are processed through the same interface, which will forward the corresponding reply packets. Source and destination addresses are thus only reversed. This method aims at preventing a network attack, in which an attacker might try using internal addresses from outside the internal network (IP spoofing).  
With eventing activated (parameter **IP Spoofing** set to **yes**), IP spoofing identification will trigger the events FW IP Spoofing Attempt Detected [4014] and FW Potential IP Spoofing Attempt [4015].
  - **any** - With this setting the first interface matching the request is utilized for the connection in accordance with routing configuration. The packet source is not verified. Reply packets might be forwarded through another interface, if multiple interfaces capable of doing so are available. Not to check the physical source of packets might sometimes be needed in very special configurations.  
For security reasons do not use this setting without explicit need.
  - **eth0 - 4** - Lets you select a specific port.
  - **dhcp** - Explicitly restricts rule processing to the specified dynamic network interface (if installed and configured).
6. Click **Add** to add the interface to the list.
7. Click **OK**.
8. Click **Send Changes** and **Activate**.

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