

How to Configure Failover and Load Balancing in Custom Connection Objects

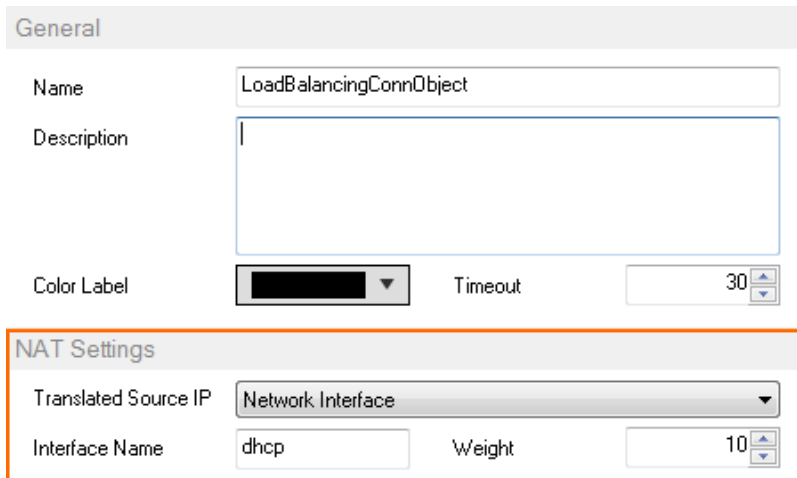
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For custom connection options you can configure failover and load balancing policies. You can configure up to 7 alternatives to the default translated source IP policy.

Step 1. Create a custom connection object

Create a custom connection object using one of the following **Translated Source IP** policies:

- **Original Source IP**
- **Dynamic NAT**
- **Network Interface**
- **Explicit IP**



General

Name: LoadBalancingConnObject

Description:

Color Label: [Dropdown]

Timeout: 30

NAT Settings

Translated Source IP: Network Interface

Interface Name: dhcp

Weight: 10

For more information, see [How to Create a Custom Connection Object](#).

2. Configure failover and load balancing settings

In the **Failover and Load Balancing** section of the custom connection object you created in step 1 you can configure the policy and the alternative translated source IPs.

Failover

1. From the **Policy** list select **Failover**.
2. Click **+** to add alternative connections to the **Alternatives** list.
3. For each entry click on the edit symbol in the **Type** column and select how the translated source IP is determined:
 - o **Explicit IP** – Enter the new source IP address in the **Value** column.
 - o **Network Interface** – Enter the network interface in the **Value** column.
 - o **Original Source IP**
 - o **Dynamic NAT**

Failover and Load Balancing

Policy

Alternatives + x ↑ ↓

Type	Value
Explicit IP	194.93.0.10
Network Interface	ppp5
Original Source IP	
Dynamic NAT	

4. Click **OK**.
5. Click **Send Changes** and **Activate**.

Weighted Round Robin

1. From the **Policy** list select **Weighted Round Robin**.
2. Click **+** to add alternative connections to the **Alternatives** list.
 - o **Explicit IP** – Enter the new source IP address in the **Value** column.
 - o **Network Interface** – Enter the network interface in the **Value** column.
 - o **Original Source IP**
 - o **Dynamic NAT**
3. (optional) In the **NAT Settings** enter the **Weight**.
4. (optional) In the **Alternatives** list enter the **Weight** for each alternative connection.

NAT Settings

Translated Source IP

Interface Name Weight

Failover and Load Balancing

Policy

Alternatives + x ↑ ↓

Type	Value	Weight
Explicit IP	194.93.0.10	5
Network Interface	ppp5	5
Original Source IP		2
Dynamic NAT		1

5. Click **OK**.
6. Click **Send Changes** and **Activate**.

Weighted Random

1. From the **Policy** list select **Weighted Random**.
2. Click **+** to add alternative connections to the **Alternatives** list.
 - **Explicit IP** - Enter the new source IP address in the **Value** column.
 - **Network Interface** - Enter the network interface in the **Value** column.
 - **Original Source IP**
 - **Dynamic NAT**
3. (optional) In the **NAT Settings** enter the **Weight**.
4. (optional) In the **Alternatives** list enter the **Weight** for each alternative connection.

NAT Settings

Translated Source IP

Interface Name Weight

Failover and Load Balancing

Policy

Alternatives		
Type	Value	Weight
Explicit IP	194.93.0.10	5
Network Interface	ppp5	5
Original Source IP		2
Dynamic NAT		1

5. Click **OK**.
6. Click **Send Changes** and **Activate**.

Source IP Hash

1. From the **Policy** list select **Source IP Hash**.
2. Click **+** to add alternative connections to the **Alternatives** list.
 - **Explicit IP** - Enter the new source IP address in the **Value** column.
 - **Network Interface** - Enter the network interface in the **Value** column.
 - **Original Source IP**
 - **Dynamic NAT**
3. (optional) In the **NAT Settings** enter the **Weight**.
4. (optional) In the **Alternatives** list enter the **Weight** for each alternative connection.

NAT Settings

Translated Source IP: Network Interface

Interface Name: dhcp Weight: 10

Failover and Load Balancing

Policy: Source IP Hash

Alternatives

Type	Value	Weight
Explicit IP	194.93.0.10	5
Network Interface	ppp5	5
Original Source IP		2
Dynamic NAT		1

5. Click **OK**.
6. Click **Send Changes** and **Activate**.

Next steps

Create a Pass, Dst NAT or Broad-Multicast access rule and select the connection object as the **Connection Method**.

For more information, see [Access Rules](#).

Figures

1. conn_obj_lb_00.png
2. conn_obj_lb_01.png
3. conn_obj_lb_02.png
4. conn_obj_lb_02.png
5. conn_obj_lb_04.png

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