


Configuring a Single Security Gateway in Bridge Mode


Procedure:


1. [Install the Security Gateway](#)
2. [Configure the Bridge interface on the Security Gateway](#)

You configure the Bridge interface in either [Gaia Portal](#) , or [Gaia Clish](#) .


[Configuring the Bridge interface in Gaia Portal](#)


Step	Instructions
1	In the left navigation tree, click Network Management > Network Interfaces .
2	Make sure that the subordinate interfaces, which you wish to add to the Bridge interface, do not have IP addresses assigned.
3	Click Add > Bridge . To configure an existing Bridge interface, select the Bridge interface and click Edit .
4	On the Bridge tab, enter or select a Bridge Group ID (unique integer between 1 and 1024).
5	Select the interfaces from the Available Interfaces list and then click Add .  Notes: <ul style="list-style-type: none">▪ Make sure that the subordinate interfaces do not have any IP addresses or aliases configured.▪ Do not select the interface that you configured as Gaia Management Interface.▪ A Bridge interface in Gaia can contain only two subordinate interfaces.
6	On the IPv4 tab, enter the IPv4 address and subnet mask. You can optionally select the Obtain IPv4 Address automatically option.


Step	Instructions
7	<p>On the IPv6 tab (optional), enter the IPv6 address and mask length. You can optionally select the Obtain IPv6 Address automatically option.</p> <p> Important - First, you must enable the IPv6 Support and reboot.</p>
8	Click OK .

 **Note** - The name of a Bridge interface in Gaia is "*br<Bridge Group ID>*". For example, the name of a bridge interface with a Bridge Group ID of 5 is "*br5*".

Configuring the Bridge interface in Gaia Clish

Step	Instructions
1	Connect to the command line on the Security Gateway.
2	Log in to Gaia Clish.
3	<p>Make sure that the subordinate interfaces, which you wish to add to the Bridge interface, do not have IP addresses assigned:</p> <pre>show interface <Name of Interface> ipv4-address show interface <Name of Interface> ipv6-address</pre>
4	<p>Add a new bridging group:</p> <pre>add bridging group <Bridge Group ID 0 - 1024></pre>
5	<p>Add subordinate interfaces to the new bridging group:</p> <pre>add bridging group <Bridge Group ID> interface <Name of First Subordinate Interface> add bridging group <Bridge Group ID> interface <Name of Second Subordinate Interface></pre>
	<p> Notes:</p>

Step	Instructions
	<ul style="list-style-type: none"> ▪ Do not select the interface that you configured as Gaia Management Interface. ▪ A Bridge interface in Gaia can contain only two subordinate interfaces.
6	<p>Assign an IP address to the bridging group.</p> <ul style="list-style-type: none"> ▪ To assign an IPv4 address, run: <pre data-bbox="496 680 1385 804">set interface <Name of Bridge Interface> ipv4-address <IPv4 Address> {subnet-mask <Mask> mask-length <Mask Length>}</pre> ▪ You can optionally configure the bridging group to obtain an IPv4 Address automatically. ▪ To assign an IPv6 address, run: <pre data-bbox="496 943 1385 1032">set interface <Name of Bridge Interface> ipv6-address <IPv6 Address> mask-length <Mask Length></pre> ▪ You can optionally configure the bridging group to obtain an IPv6 Address automatically. <p> Important - First, you must enable the IPv6 Support and reboot.</p> <ul style="list-style-type: none"> ▪
7	<p>Save the configuration:</p> <pre data-bbox="400 1373 619 1435">save config</pre>

 **Note** - The name of a Bridge interface in Gaia is "*br<Bridge Group ID>*". For example, the name of a bridge interface with a Bridge Group ID of 5 is "*br5*".