Setting Up Multiport Link Aggregation

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This article refers to firmware 4.2 and higher running on the Barracuda Load Balancer model 640 that include PORT1 through PORT10.

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You can aggregate multiple Network Interfaces into a single logical bonded interface to improve throughput. Once the Barracuda Load Balancer is connected to the network, use the following steps to configure link aggregation:

1. Log into the web interface, and on the **BASIC > IP Configuration** page, specify a WAN IP configuration; click **Save Changes**.
2. On the **BASIC > IP Configuration** page, in the **Operating Mode** section, verify the operation is set to **Route-Path** mode.
3. On the **ADVANCED > Advanced Networking** page, in the **Network Port Configuration** section, set **Enable Network Port Configuration** to *Yes*, and click **Save Changes**.
4. In the **Link Bonding** section, click **Add Interface Bond**; the **Link Bonding** page displays.
5. Enter the bond name, select the mode, and select the ports for bonding, then click **Add**.
6. Complete step 6 for each link bond, and then close the page.

   There are a total of 11 ports listed in the **Link Bonding** page. It is recommended that you create a bond with multiples of two ports, i.e., 2, 4, 6, 8.
   - WAN - Used to configure the System IP address and default system gateway
   - PORT1 to PORT10 - Configure Services on these individual ports

   Once you create a bonded interface, it is available for selection in the Port selection list throughout the **ADVANCED > Advanced Networking** page, and in the Interfaces list under **Add New Service** configuration on the **BASIC > Services** page.
7. Click **Edit** after the bonded interface name to add or delete a Network Port from the bonded interface.

   You can create a service on a bonded interface after creating the bond. To do so, go to the **BASIC > Services** page, click **Add New Service**, and configure a new service.

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