

Configuring Services on the Barracuda Load Balancer ADC Vx for Amazon Web Services

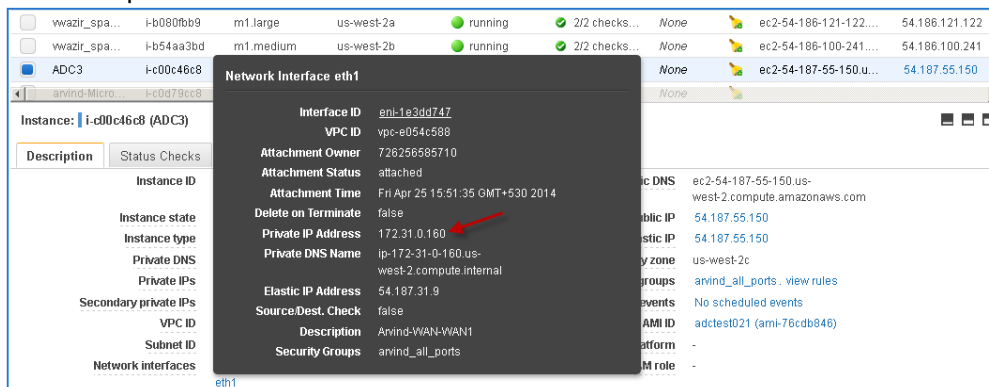
<https://campus.barracuda.com/doc/41101601/>

Before you configure services on the Barracuda Load Balancer ADC Vx, you can create a link bond to increase the throughput of its interfaces. For instructions, see [Creating a Link Bond on the Barracuda Load Balancer ADC Vx for Amazon Web Services](#).

You can configure Layer 7 or Layer 4 services in the Barracuda Load Balancer ADC Vx on Amazon Web Services. For more information on the available service types, see [Services](#).

Step 1. Get the EIP and Private IP Address of your Instance

1. Log into the [Amazon EC2 Management Console](#).
2. From the EC2 dashboard, select **Instances** under **INSTANCES**.
3. Select the Barracuda Load Balancer ADC Vx instance for which you want to configure a service and note the **Elastic IP Address**.
4. Click the instance in the **Instances** table and then click the **eth1** link next to **Network Interfaces**.
5. Note the private IP address of **eth1**.



Instance	Subnet	State	Platform	Private IP	Elastic IP	
wwazlr_spa...	i-b080fbb9	running	m1.large	us-west-2a	ec2-54-186-121-122...	54.186.121.122
wwazlr_spa...	i-b54aa3bd	running	m1.medium	us-west-2b	ec2-54-186-100-241...	54.186.100.241
ADC3	i-c00c46c8	running	m1.medium	us-west-2b	ec2-54-187-55-150...	54.187.55.150

Network Interface eth1	
Interface ID	eni-1e3dd747
VPC ID	vpc-e054c588
Attachment Owner	726256585710
Attachment Status	attached
Attachment Time	Fri Apr 25 15:51:35 GMT+530 2014
Delete on Terminate	false
Private IP Address	172.31.0.160
Private DNS Name	ip-172-31-0-160.us-west-2.compute.internal
Elastic IP Address	54.187.55.150
Source/Dest. Check	false
Description	Arvind-WAN-WAN1
Security Groups	arvind_all_ports

Step 2. Create the Service

1. In a web browser, go to the Barracuda Load Balancer ADC web interface at the **Elastic IP** address that was assigned to eth0. Use port 8000 for HTTP. No port is required for HTTPS. For example:
 - **For HTTP:** <http://<EIP>:8000>
 - **For HTTPS:** <https://<EIP>>
2. Go to the **BASIC > Services** page and create a service (Layer 7 or Layer 4) using the **Private**

IP Address assigned to the **eth1** network interface on Amazon Web Services (this is the ge-1-1 interface on the Barracuda Load Balancer ADC Vx).

3. Add a server to the created service.
4. Go to the **NETWORK > Routes** page and add a static route for the ge-1-1 interface to route all ge-1-1 traffic through the management gateway. The static route for ge-1-1 is:
 - **IP Protocol Version** - IPv4
 - **IP Address** - 0.0.0.0
 - **Netmask** - 0.0.0.0
 - **Gateway Address** - Enter the IP address specified in **IPv4 Default Gateway** on the **BASIC > IP Configuration** page.
 - **Network Interface** - ge-1-1

Step 3. Allocate an Elastic IP Address for the Service IP Address

If you have assigned multiple IP addresses to the eth1 interface and have created the service using one of those IP addresses, ensure that the IP address is associated with an Elastic IP address (EIP). An EIP ensures that the service is reachable over the Internet.

To assign and allocate an EIP for the service IP address:

1. Log into the [Amazon EC2 Management Console](#).
2. From the EC2 dashboard, select **Elastic IPs** under **NETWORK & SECURITY**.
3. Click **Allocate New Address**.
4. Click **Yes, Allocate** to confirm and allocate a new IP address. A random public IP address is generated and displayed in the **Allocate New Address** table.
5. In the **Allocate New Address** table, right-click the new IP address and select **Associate**.
6. In the **Associate Address** window:
 1. Either select the **Instance** and the **Private IP Address** of the instance *or* select the **Network Interface** and the **Private IP Address**.
 2. Select the **Allow Reassociation** check box.
7. Click **Yes, Associate**.

Step 4. (Layer 4 Services Only) Change the Default Gateway for Servers

For Layer 4 services, change the default gateway for the associated servers.

1. Log into your server using SSH.

You must log into the server from the machine that resides in the same network as your server.
2. Remove the default gateway on the server.

3. Add the IP address which is being used to create the Layer 4 service on the Barracuda Load Balancer ADC Vx as your default gateway.

If you want to configure your server in Direct Server Return mode, follow the instructions given in [Direct Server Return Deployment](#).

Troubleshooting

If you need help troubleshooting any issues with your Barracuda Load Balancer ADC Vx, see [Troubleshooting the Barracuda Load Balancer ADC Vx on Amazon Web Services](#).

Figures

1. eth1_interface.png

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