

Amazon Web Services Deployment

<https://campus.barracuda.com/doc/42046718/>

The Barracuda Message Archiver on Amazon Web Services (AWS) is a complete and affordable virtual email archiving solution designed for optimizing email storage in the AWS public cloud service, meeting regulatory compliance and e-discovery requirements, and providing easy access to old emails. Before getting started, select the licensing option that best suits your environment.

Licensing Options

The Barracuda Message Archiver is available on AWS with the **Bring Your Own License** and **Hourly / Metered** option.

Bring Your Own License

With the Bring Your Own License (BYOL) option, you are required to obtain a Barracuda Message Archiver license token either through a free evaluation or online purchase. Request a Barracuda Message Archiver AWS license by:

- Providing the required information for a free evaluation: <https://www.barracuda.com/purchase/evaluation>, or
- Purchase a license online: <https://www.barracuda.com/purchase>, or
- Wait to select licensing (free evaluation or purchase) once you deploy the VM and log in to the web interface the first time.

By purchasing a license, there are no Barracuda Message Archiver software charges, however, AWS usage charges apply.

If your organization does not have an AWS account, go to the [Amazon Web Services](#) page, click **Create a Free Account**, and follow the onscreen instructions.

Table 1. Supported AWS Instance Types

The following table lists the supported AWS instances; for more information, see [Amazon EC2 Instances](#) :

Model	vCPU	Memory (GB)	Instance Type
Model 150	2	4GB	t2.medium
Model 350	2	8GB	t2.large m3.large m4.large
Model 450	4	16GB	m3.xlarge m4.xlarge

Model 650	8	32GB	m3.2xlarge m4.2xlarge
Model 850	8	64GB	i2.2xlarge
Model 950	16	128GB	i2.4xlarge
Model 1050	16	128GB	i2.8xlarge

Hourly / Metered

With the Hourly / Metered licensing option, you complete the purchase or evaluation of the Barracuda Message Archiver entirely within the AWS Marketplace. After the instance is launched, it is automatically provisioned, requiring no manual setup. You are charged hourly for both the **Barracuda Message Archiver Software** and **Amazon Elastic Compute Cloud (Amazon EC2)** usage on Amazon. For pricing information, refer to the [AWS Marketplace](#).

For Hourly / Metered licensing, Barracuda Networks offers four models. The following table lists each instance type with its CPU, memory, and the number of Private IP addresses that can be associated per ENI.

If you want to increase the performance of an existing VM, configure it with a larger instance type on AWS and you will be charged accordingly by Amazon. The VM will automatically be reconfigured by Amazon with the resources and capabilities of the larger instance type.

Table 2. Supported AWS Instance Types

Amazon Instance	Equivalent Supported Barracuda Message Archiver Model	Addressable Storage	Recommended Users
t2.medium	Model 150	500 GB	100
t2.large m3.large m4.large	Model 350	2 TB	300
m3.xlarge m4.xlarge	Model 450	4 TB	600
m3.2xlarge m4.2xlarge	Model 650	8 TB	1,200
i2.2xl	Model 850	18 TB	2,500
i2.4xl	Model 950	28 TB	4,000
i2.8xl	Model 1050	66 TB	10,000

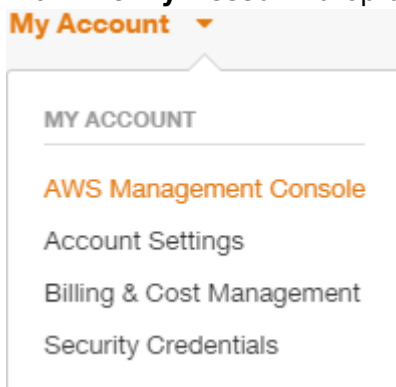
When you purchase an instance, Amazon charges you based on the associated model. For example, If

you have 500 users and purchase an m3.xlarge, you are automatically licensed for Model 450.

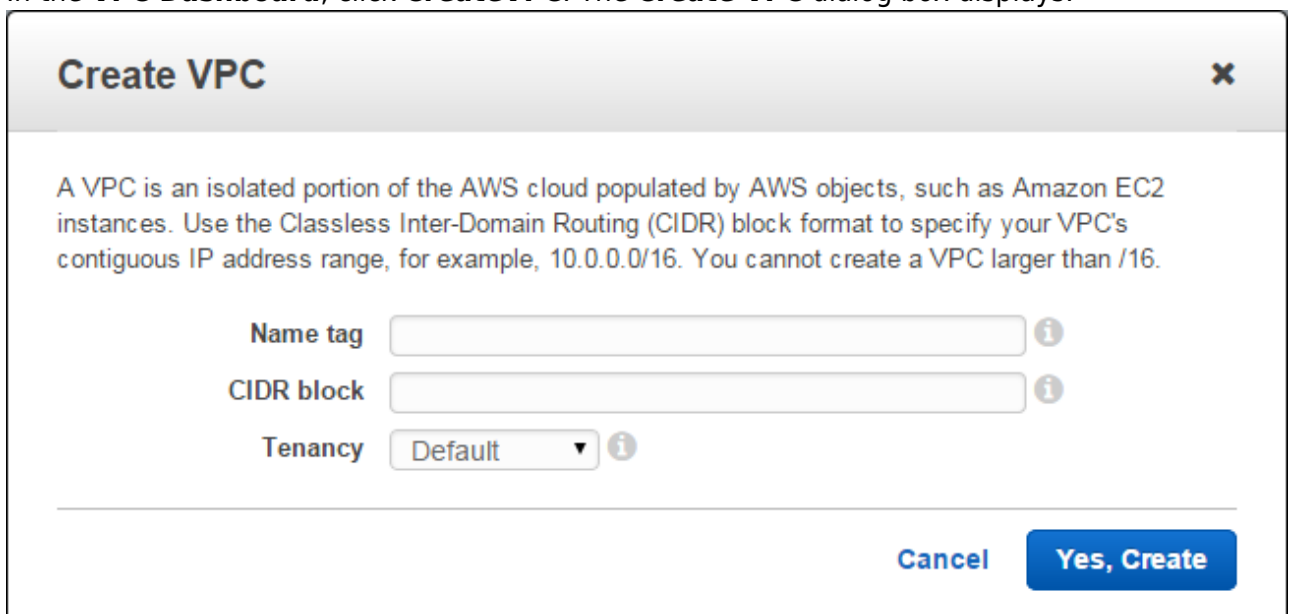
Step 1. Set Up a Virtual Private Cloud

Use the following steps to set up a Virtual Private Cloud (VPC) on Amazon Web Services:

1. Log in to the [AWS Management Console](#).
2. From the **My Account** drop-down menu, click **AWS Management Console**:



3. From the **Services** menu, click **VPC**, and in the left pane, click **Your VPCs**.
4. In the **VPC Dashboard**, click **Create VPC**. The **Create VPC** dialog box displays:

A screenshot of the 'Create VPC' dialog box in the AWS Management Console. The dialog has a title bar 'Create VPC' with a close button (X). Below the title bar, there is a descriptive text: 'A VPC is an isolated portion of the AWS cloud populated by AWS objects, such as Amazon EC2 instances. Use the Classless Inter-Domain Routing (CIDR) block format to specify your VPC's contiguous IP address range, for example, 10.0.0.0/16. You cannot create a VPC larger than /16.' Below the text, there are three input fields: 'Name tag' (text input), 'CIDR block' (text input), and 'Tenancy' (dropdown menu with 'Default' selected). Each input field has an information icon (i) to its right. At the bottom right of the dialog, there are two buttons: 'Cancel' and 'Yes, Create'.

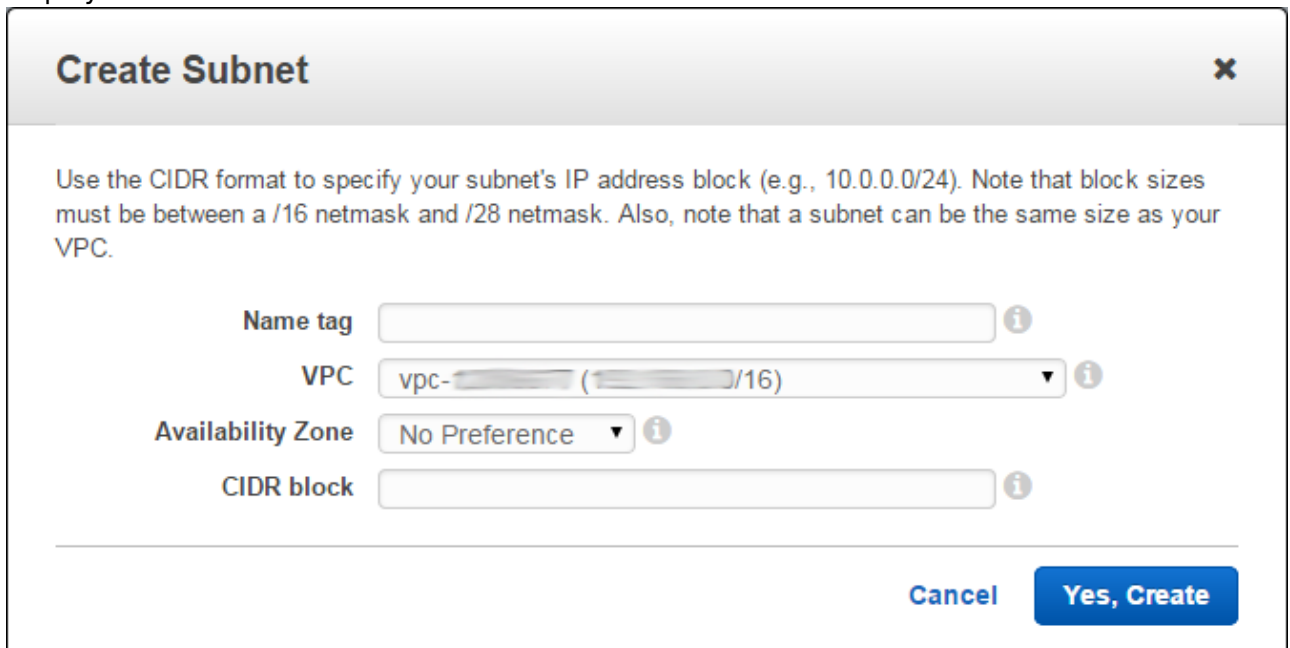
5. Complete the following:
 1. Enter a **Name tag** (optional)
 2. Enter the IP address range to be used for your VPC in the **CIDR block** field
 3. Select **Default** from the **Tenancy** drop-down menu
6. Click **Yes, Create**.

Step 2. Set up and Attach an Internet Gateway

1. In the left pane, click **Internet Gateways**, and then click **Create Internet Gateway**.
2. In the **Create Internet Gateway** dialog, click **Yes, Create**.
3. Click on the Internet Gateway, enter a **Name tag** (optional), and then click **Attach to VPC**.
4. In the **Attach to VPC** dialog box, select the newly created VPC from the drop-down menu, and then click **Yes, Attach**.

Step 3. Set up Subnet

1. In the left pane, click **Subnets**, and then click **Create Subnet**. The **Create Subnet** dialog box displays:



2. Enter a **Name tag** (optional), select the **Availability Zone** where your VPC resides, and enter the IP address range in the **CIDR** block.
3. Click **Yes, Create**.

Step 4. Set up Route Table

1. In the left pane, click **Route Tables**, and then click **Create Route Table**:

Create Route Table

A route table specifies how packets are forwarded between the subnets within your VPC, the Internet, and your VPN connection.

Name tag

VPC (/16)

[Cancel](#) [Yes, Create](#)

2. Enter a **Name tag** (optional), and select the newly created VPC from the drop-down menu.
3. Click **Yes, Create**.
4. Click the **Routes** tab.
5. In the **Destination** field, enter **0.0.0.0/0**, verify the newly created Internet gateway displays in the **Target** field, and then click **Save**.

Step 5. Create a Security Group

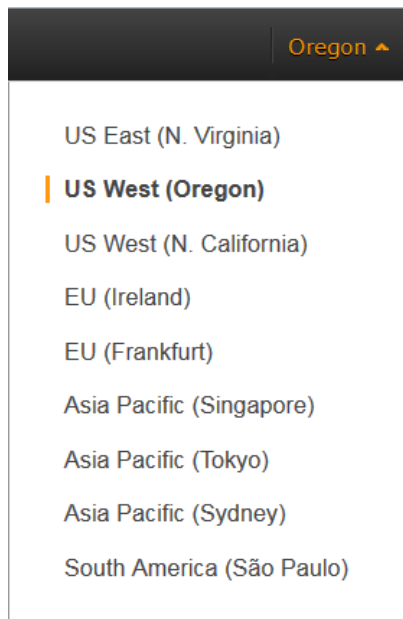
1. Log in to the [Amazon EC2 Management Dashboard](#).
2. In the left pane, expand **Network & Security**, and click **Security Groups**.
3. Click **Create Security Group**.
4. In the **Create Security Group** dialog box, enter a name and description to identify the security group.
5. From the **VPC** drop-down menu, select a VPC ID.
6. Use the **Security group rules** section to add **Inbound** and **Outbound** security rules.

By default, the Barracuda Message Archiver web interface listens on port 8000 for HTTP and port 443 for HTTPS. Add these ports as **Inbound** rules for the security group associated with the device. Add the port(s) through which you configure the Service(s) for this instance.

7. Click **Create**. The group displays in the **Security Group** table.

Step 6. Launch Barracuda Message Archiver Instance

1. Log in to the [Amazon EC2 Management Dashboard](#).
2. From the drop-down menu in the upper right corner, select the region for the instance to allow Amazon EC2 resources to be shared between regions:



3. In the EC2 Dashboard, click **Launch Instance**; follow the onscreen prompts to launch the instance:
4. **Step 1: Choose an Amazon Machine Image (AMI):**
 1. In the left pane, click **AWS Marketplace**.
 2. Search for *Barracuda Message Archiver*, and then click **Select**.
5. **Step 2: Choose an Instance Type:**
 1. Click **All instances** or **General purpose** in the left pane, and then select the desired instance type in the table.
 2. Click **Next: Configure Instance Details**.
6. **Step 3: Configure Instance Details:**
 1. Enter the **Number of instances** to launch.
 2. Select the **Network** and **Subnet**.
 3. In the **Advanced Details** pane, keep the default setting for all parameters.
 4. Click **Next: Add Storage**.
7. **Step 4: Add Storage:**
 1. Modify the values if necessary.
 2. Click **Next: Tag Instance**.
8. **Step 5: Tag Instance:**
 1. If required, add or remove tags for the instance.
 2. Click **Next: Configure Security Group**.
9. **Step 6: Configure Security Group:**
 1. Select a security group defined in *Step 5. Create a Security Group*.
 2. Click **Review and Launch**.
10. **Step 7: Review Instance Launch:**
 1. Review the Instance settings.
 2. Click **Launch**.
11. Once provisioning is complete, the Barracuda Message Archiver virtual machine boots up.
Do not restart the Barracuda Message Archiver during provisioning.
12. Continue with [Barracuda Message Archiver on Amazon Web Services Quick Start Guide](#).

Figures

1. aws_login.png
2. create_vpc.png
3. create_subnet.png
4. create_routes.png
5. region.png

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