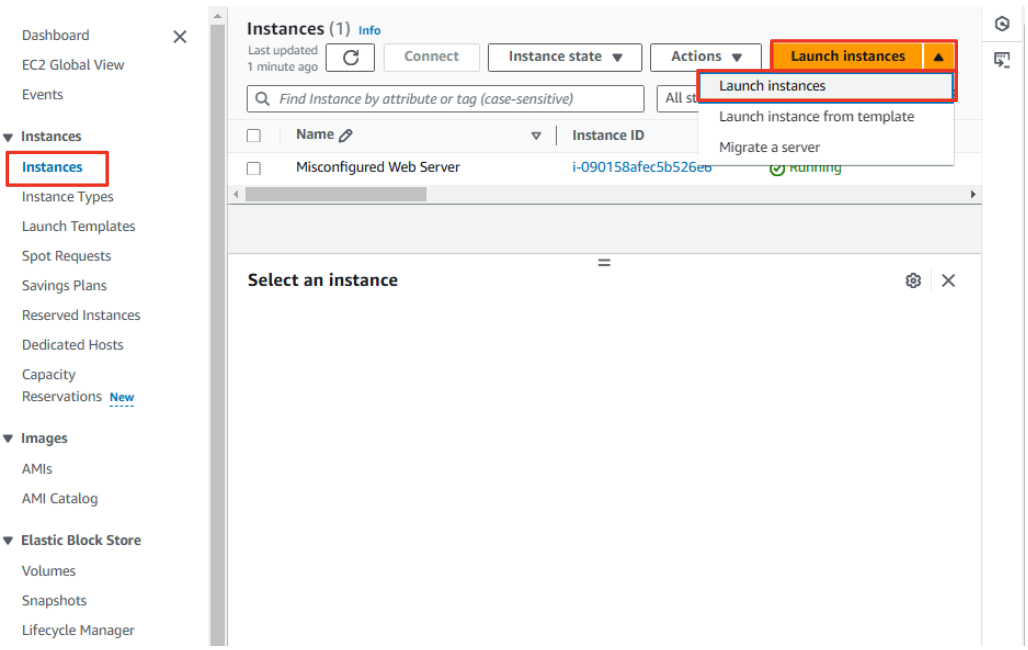
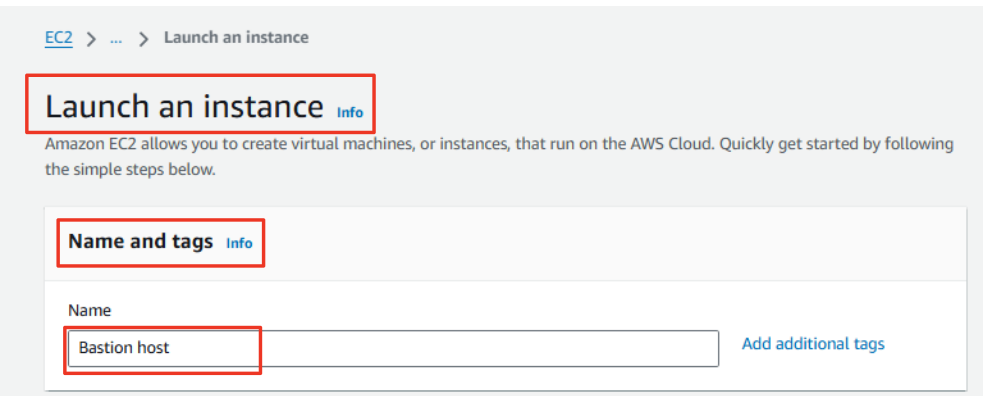
In this task, you launch an EC2 instance by using the AWS Management Console. The instance will be a bastion host from which you can use the AWS CLI.

On the **AWS Management Console**, search **EC2**, choose **instances** and choose **launch instance**:



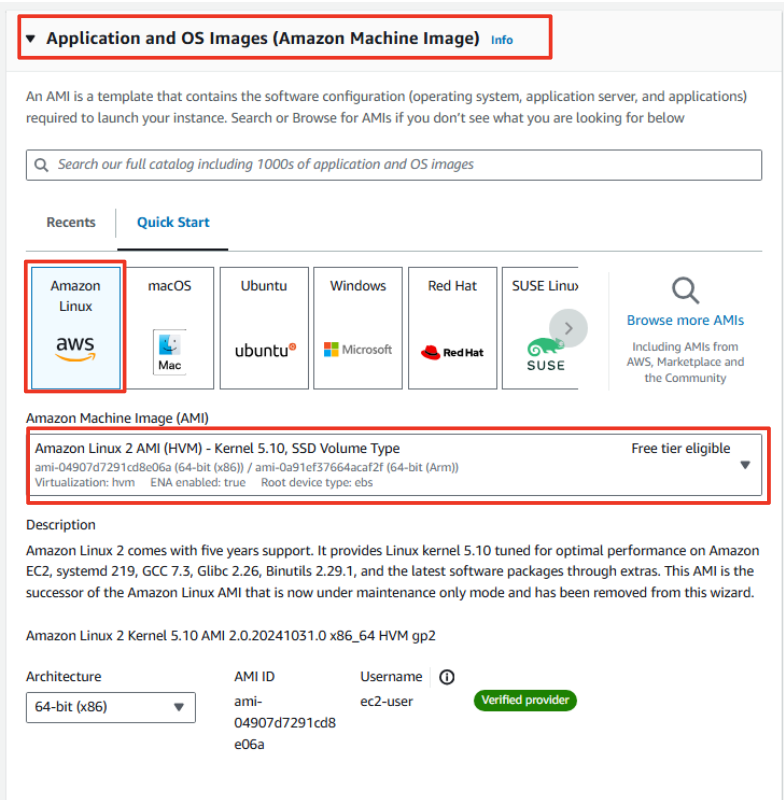
In the **Launch an instance** menu, choose:

Step 1: choose name and tags:

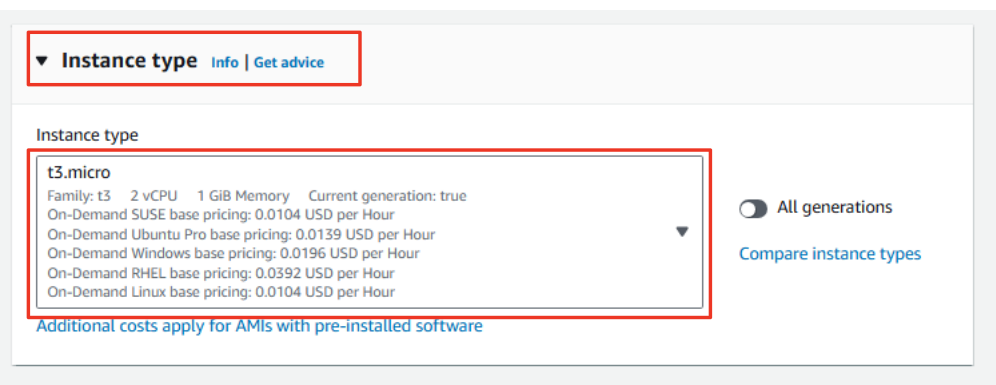


When you name your instance, AWS creates a key-value pair. The key for this pair is **Name**, and the value is the name that you enter for your EC2 instance, here is **Bastion host**.

Step 2: choose an AMI:
In this step, you select an AMI, which includes a root volume template, launch permissions, and block device mapping for the instance.



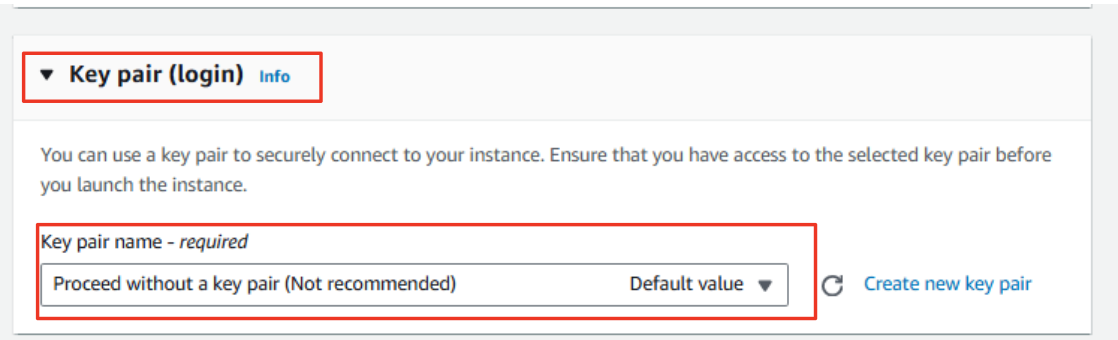
Step 3: choose an instance type:



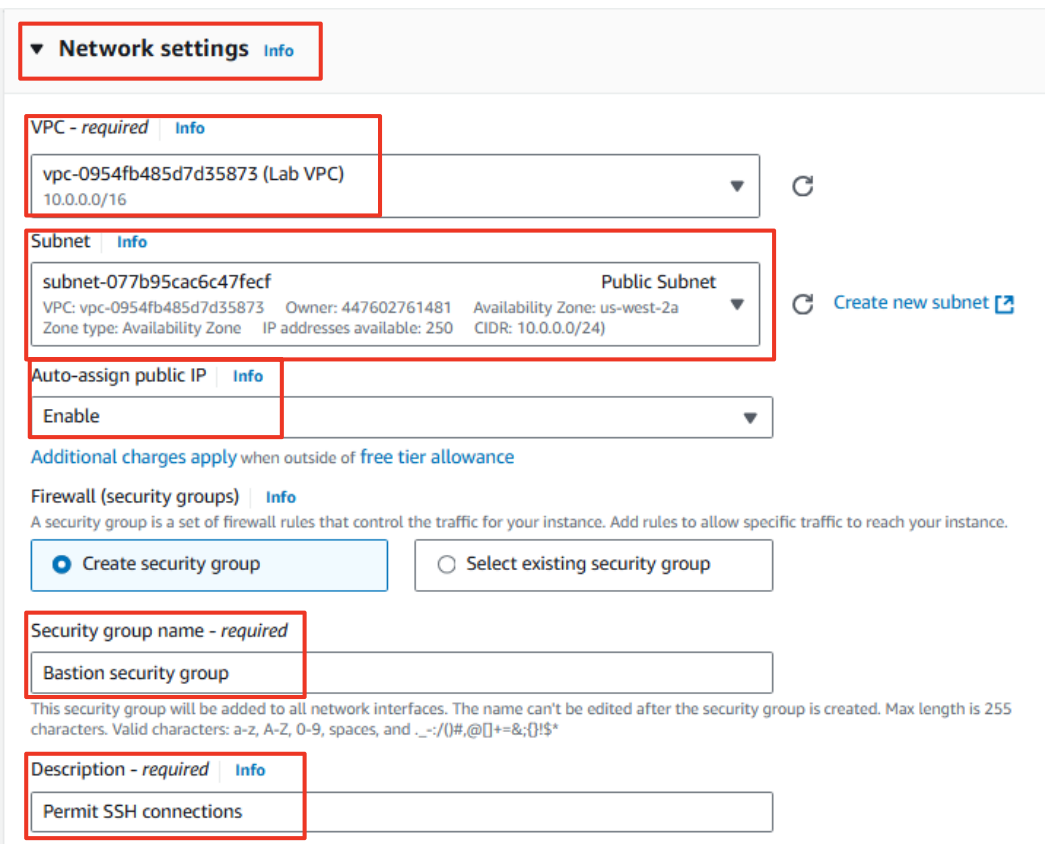
In this step, you select an instance type, which defines the resources for the EC2 instance, including CPU, memory, storage, and network. instance types are divided into families, such as compute optimized, memory optimized, etc.
Here you select **t3.micro**, a small instance suitable for development and testing, capable of bursting above baseline performance when needed.

Step 4: configure a key pair:

Amazon EC2 uses key pairs for secure login. But here, you will use EC2 instance connect to log in, so a key pair isn't needed.



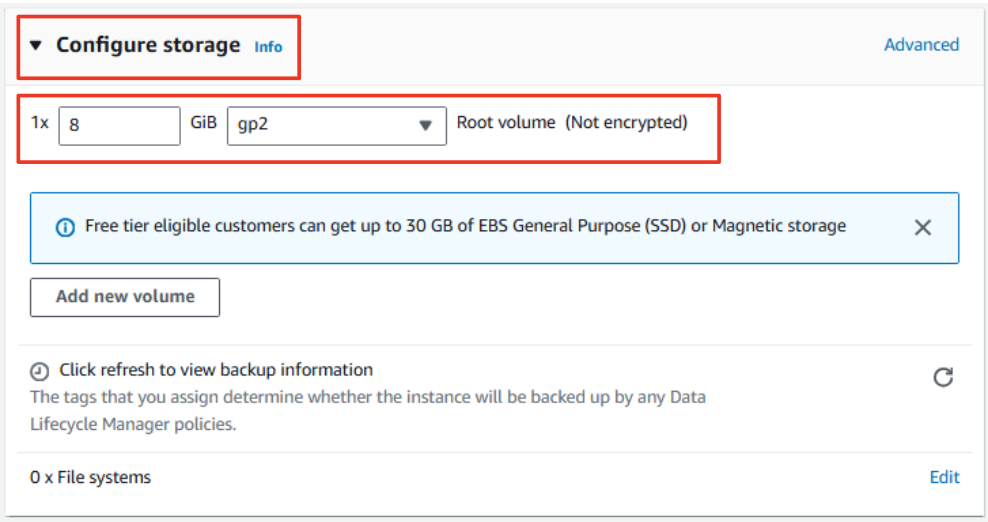
Step 5: configure the network setting:
In the Network setting section, choose Edit:



The virtual private cloud (**VPC**) indicates which VPC you want to launch the instance into. You can have multiple VPCs, including different ones for development, testing, and production.
You launch the instance in a public subnet within the **lab VPC** network.
The security group acts as a firewall and includes rules to manage traffic for the instances associated with it.

Step 6: add storage:

In this step, you can add additional EBS volumes and configure their size and performance. By default, the EC2 instance is launched with an 8 gib root volume. Here, keep the default storage configuration.



Step 7: configure advanced details:
The bastion-role profile grants permission to applications running on the instance to make requests to the Amazon EC2 service. This association of role is required for the second half of this lab, where you use the AWS CLI to communicate with the Amazon EC2 service.

Step 8: launch an EC2 instance:
In the **Summary** section, review the instance configuration details displayed, and then choose:

End of Task 1!

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