

Lesson 07 Demo 03

Creating and Changing AWS Security Groups

Objective: To demonstrate the process of configuring AWS security groups to control inbound and outbound traffic to and from AWS resources

Tools required: AWS Management Console

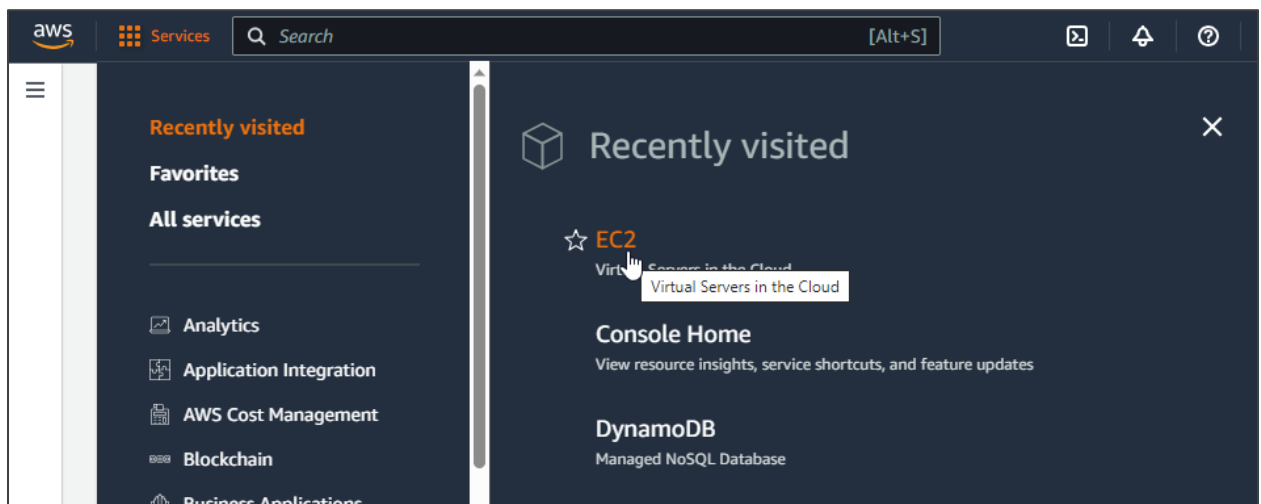
Prerequisites: An EC2 instance should be created

Steps to be followed:

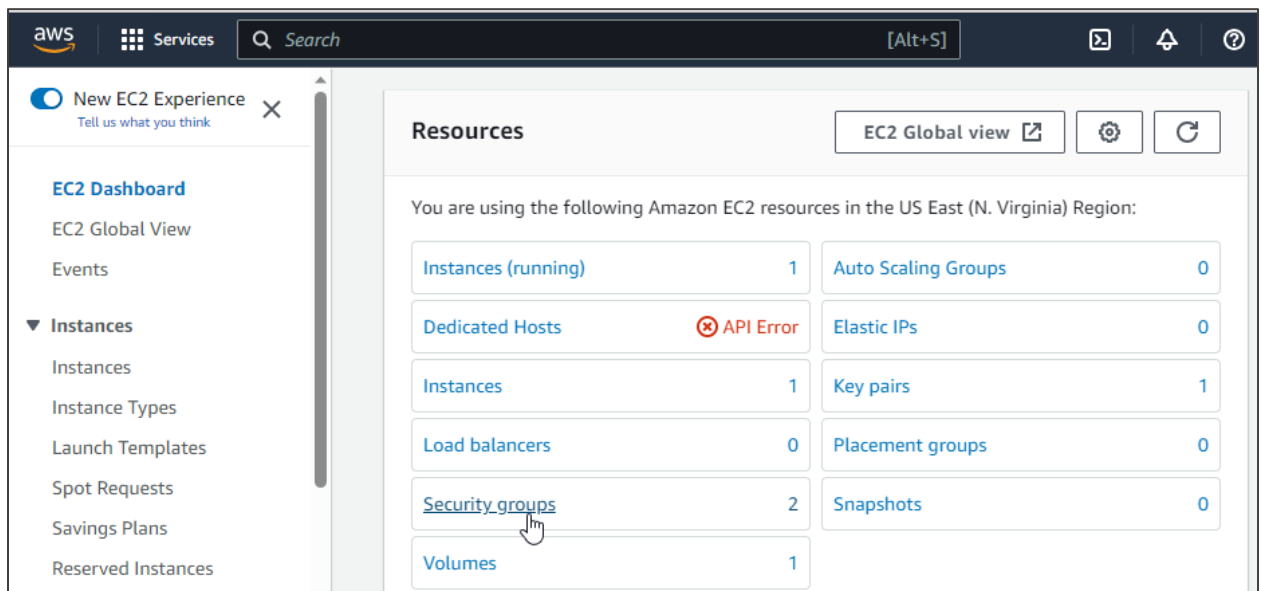
1. Create the security group
2. Change the security group

Step 1: Create the security group

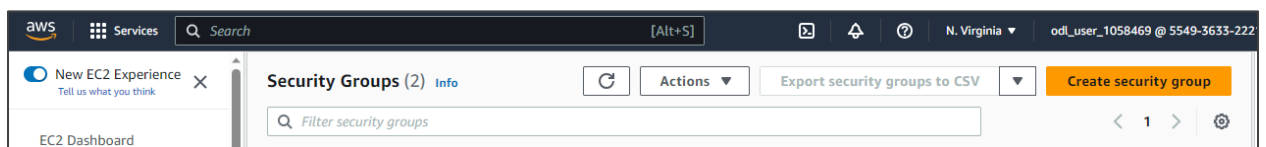
1.1 Navigate to the AWS portal, search for and select **EC2** from the services



1.2 In the EC2 Dashboard, select Security groups



1.3 Click on Create security group



1.4 Provide a name and description for the security group

aws Services Search [Alt+S] N. Virginia odl_user_1058469 @ 5549-

EC2 > Security Groups > Create security group

Create security group [Info](#)

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

Basic details

Security group name [Info](#)

 Name cannot be edited after creation.

Description [Info](#)

VPC [Info](#)

1.5 Now, in the **Inbound rules** page, choose **All traffic** from the drop-down menu as **Type**

Inbound rules [Info](#)

Type Info	Protocol Info	Port range Info	Source Info	Description - optional Info
All traffic ▼	All	All	Anywh... ▼ 0.0.0.0/0 ✕	Allow SSH connection from custom Delete

Add rule

1.6 Click on **Create security group**

Tags - optional

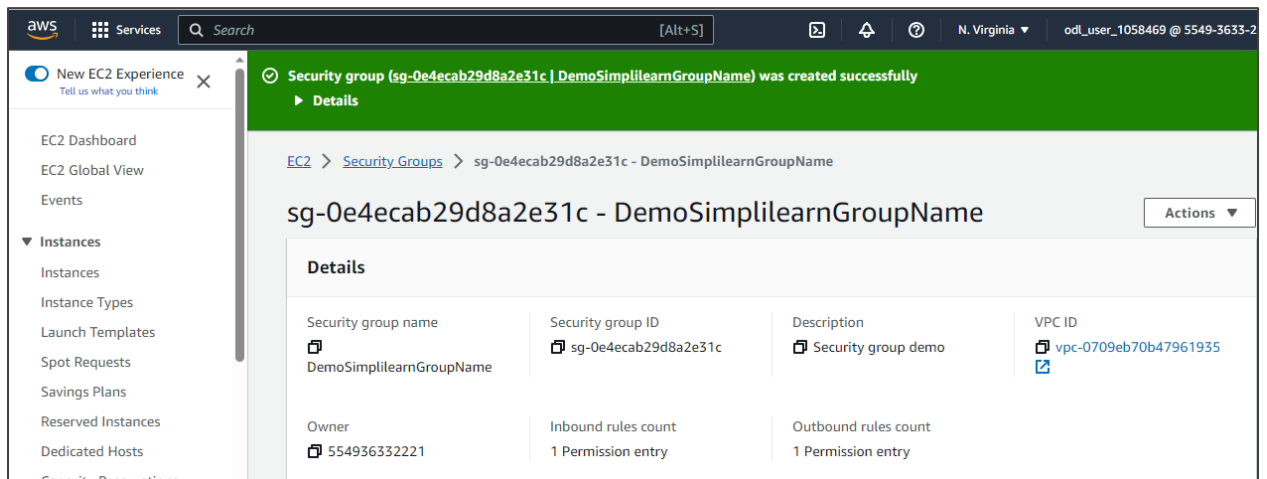
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

No tags associated with the resource.

Add new tag

You can add up to 50 more tags

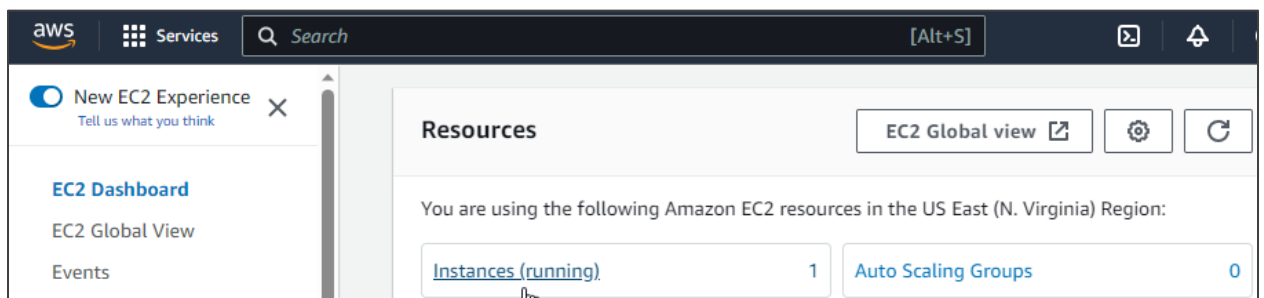
Cancel Create security group



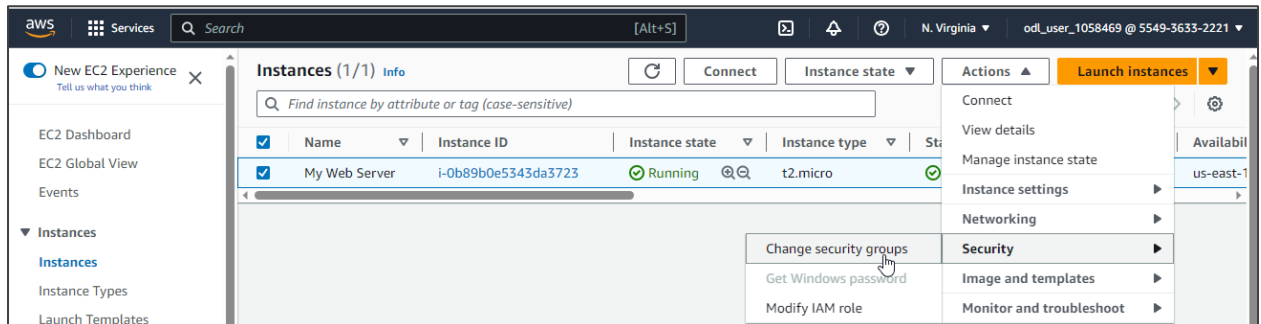
The security group has been created successfully.

Step 2: Change the security group

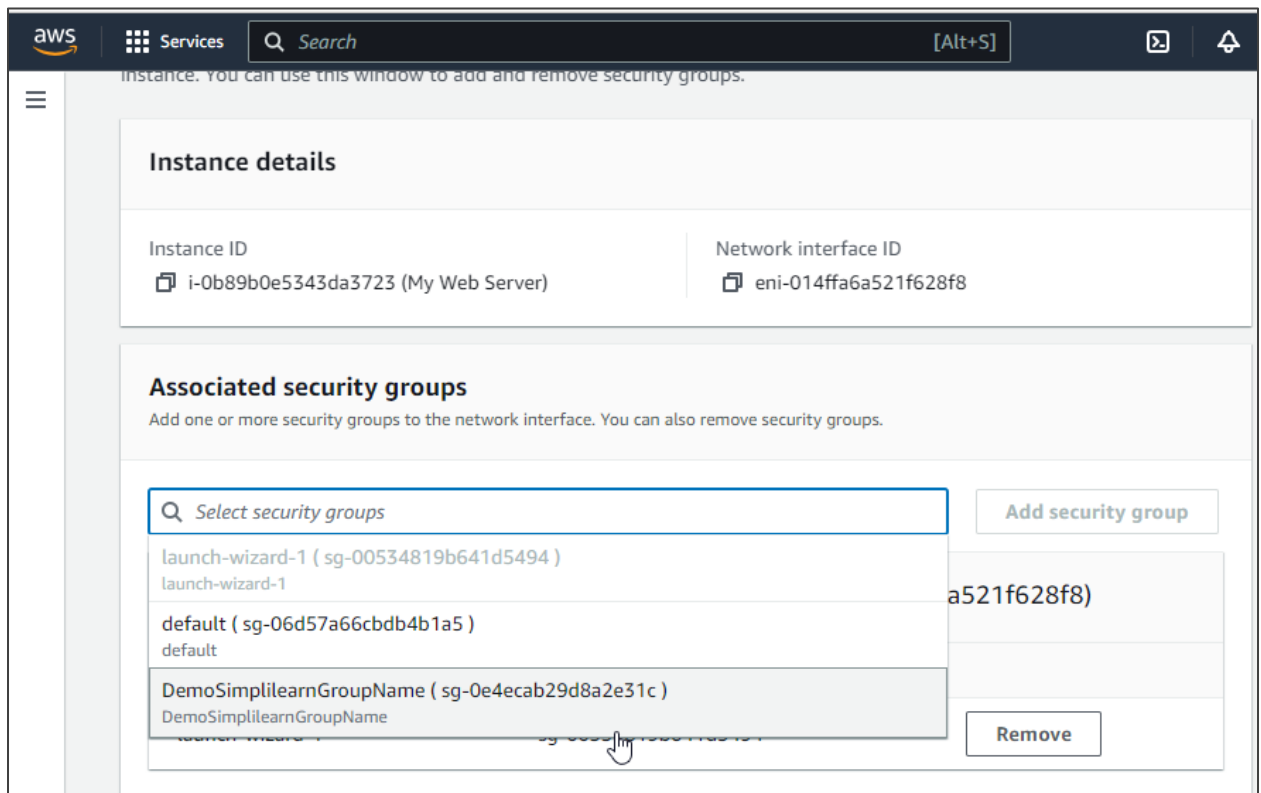
2.1 Navigate to the EC2 Dashboard and click on Instances (running)

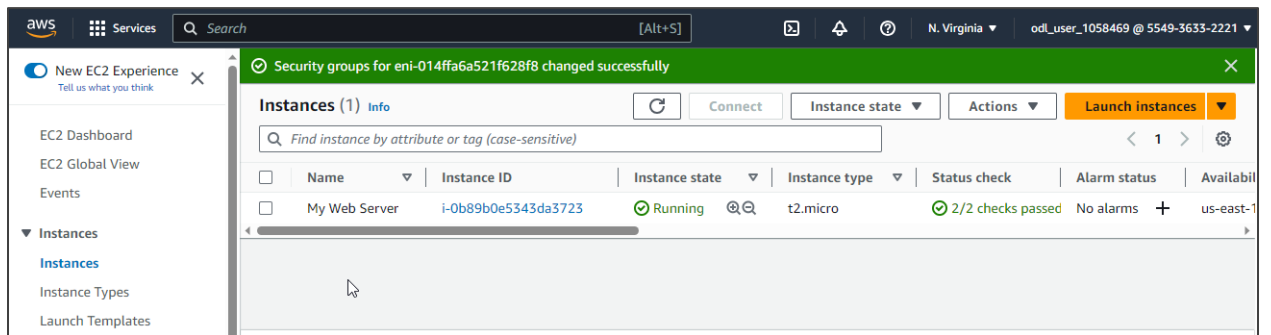


2.2 Select the instance, select **Security** under **Actions**, and then click on **Change security groups**



2.3 In the **Associated security groups** option, choose the security group that you created, and then click on **Save**





The security group has been changed successfully.

By following these steps, you have successfully demonstrated the process of creating the users, attaching the policies to them, and then configuring the policy generator using principals.