

Lesson 09 Demo 09

Creating a Resource Group for Organizing AWS Resources

Objective: To create a resource group, which is a valuable tool for organizing and managing resources efficiently within your AWS environment

Tools required: AWS Management Console

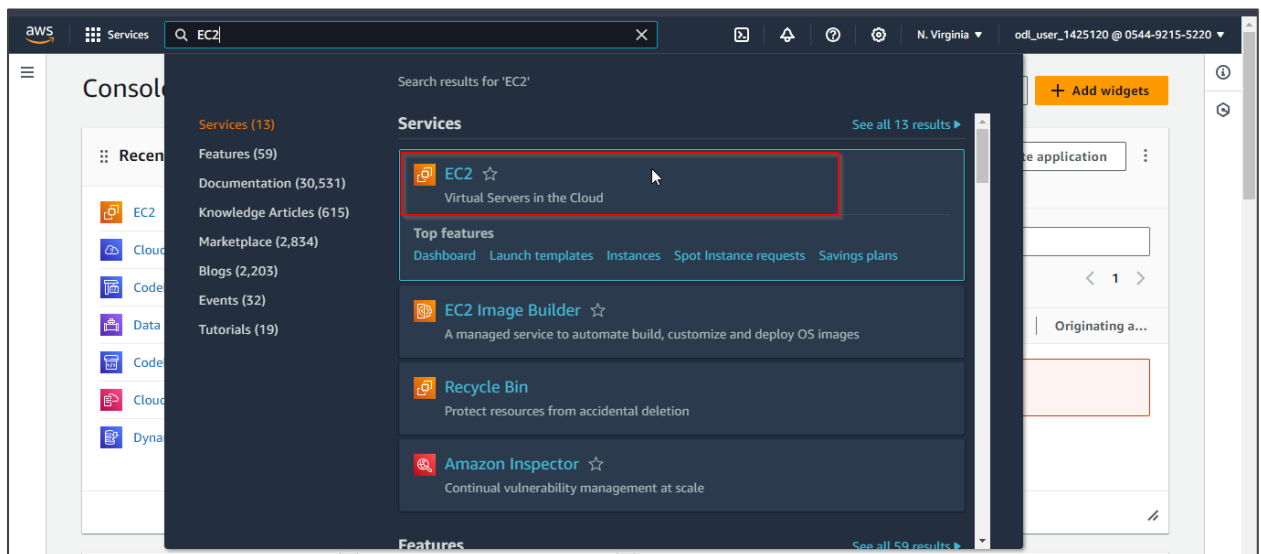
Prerequisites: None

Steps to be followed:

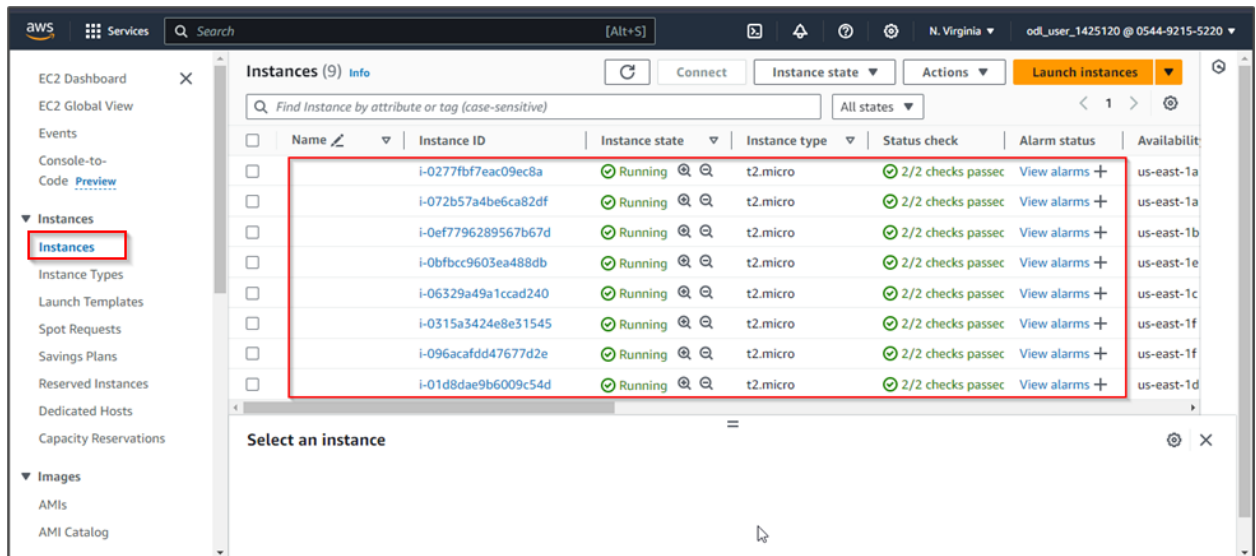
1. Launch multiple EC2 instances
2. Create a Resource group

Step 1: Launch multiple EC2 instances

1.1 Navigate to the AWS management console, search, and select **EC2**

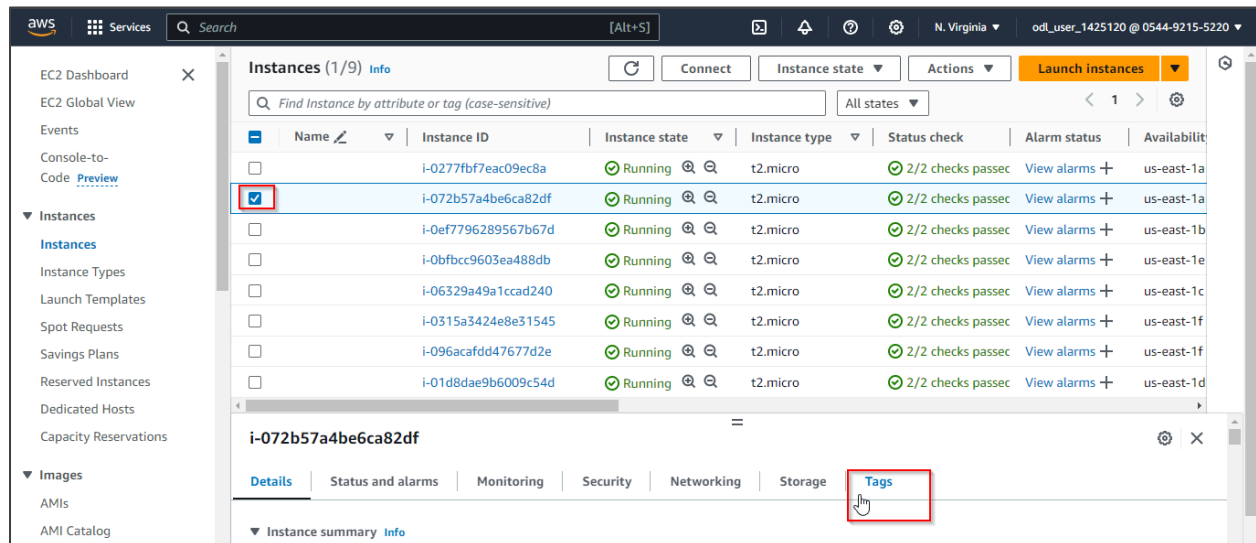


1.2 Click on **Instances** to see the available EC2 instances



Note: You can refer to the lesson 5 demos to know how to create instances.

1.3 Select an instance and click on **Tags**



1.4 Click on **Manage tags** under the **Tags** section

The screenshot shows the AWS Management Console interface. On the left sidebar, the 'Instances' section is expanded. The main panel displays a list of EC2 instances. Below the list, the details for instance **i-072b57a4be6ca82df** are shown. In the 'Tags' section, there is a button labeled 'Manage tags' which is highlighted with a red box and a mouse cursor pointing to it.

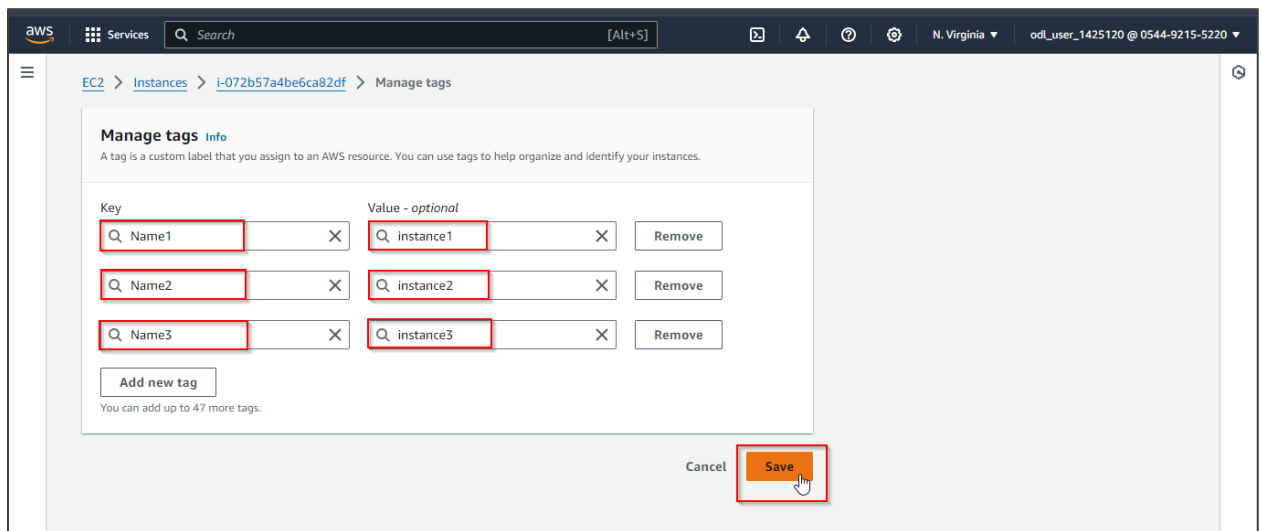
Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability
	i-0515a3424e8e51545	Running	t2.micro	2/2 checks passed	View alarms	us-east-1f
	i-096acafdd47677d2e	Running	t2.micro	2/2 checks passed	View alarms	us-east-1f
	i-01d8dae9b6009c54d	Running	t2.micro	2/2 checks passed	View alarms	us-east-1d
	i-00ee1b431d9238e9e	Running	t2.micro	2/2 checks passed	View alarms	us-east-1d

Key	Value
aws:ec2lau...	lt-095f32d90c84c26c8
aws:ec2lau...	1
aws:autosc...	autoscalingGroup1

1.5 Click on the **Add new tag**

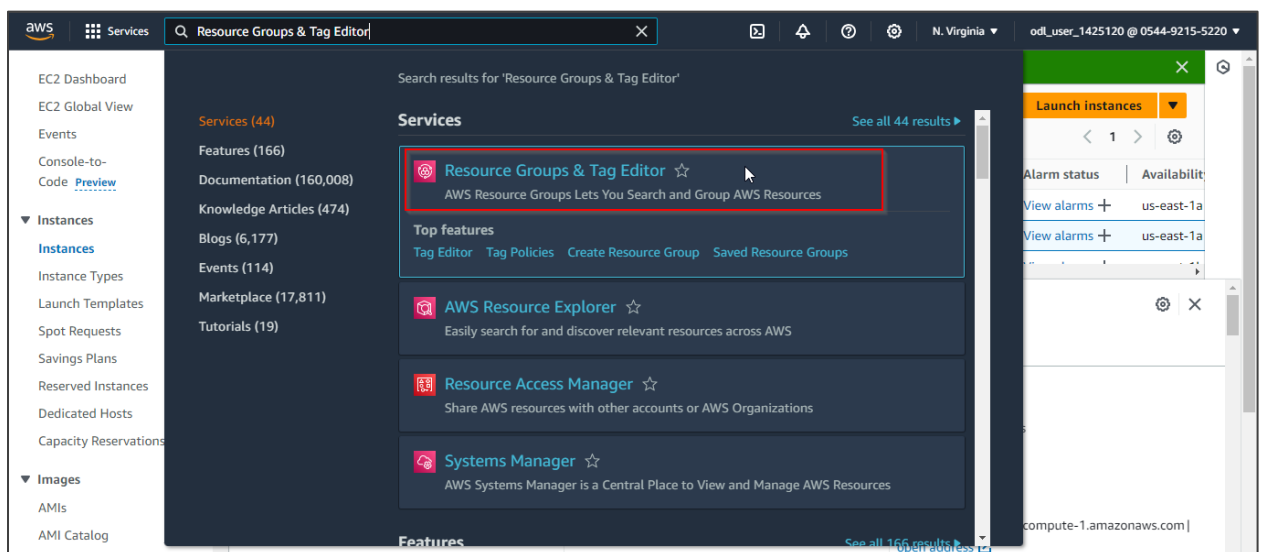
The screenshot shows the 'Manage tags' page for the EC2 instance **i-072b57a4be6ca82df**. The page title is 'Manage tags'. Below the title, it says 'No tags associated with the resource.' There is a button labeled 'Add new tag' which is highlighted with a red box and a mouse cursor pointing to it. At the bottom right, there are 'Cancel' and 'Save' buttons.

1.6 Apply **three tags** to each EC2 instance and click on **Save**

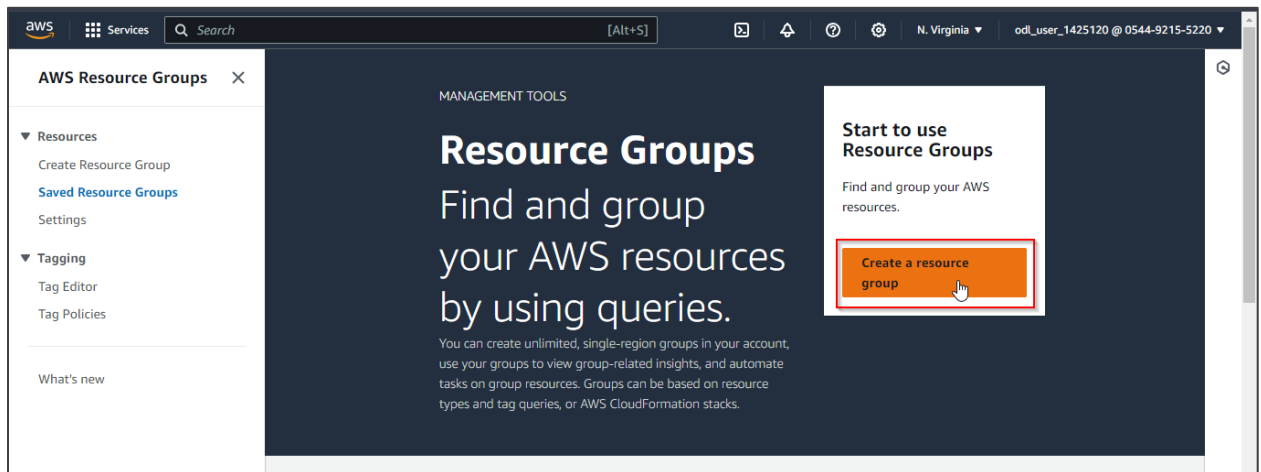


Step 2: Create a Resource group

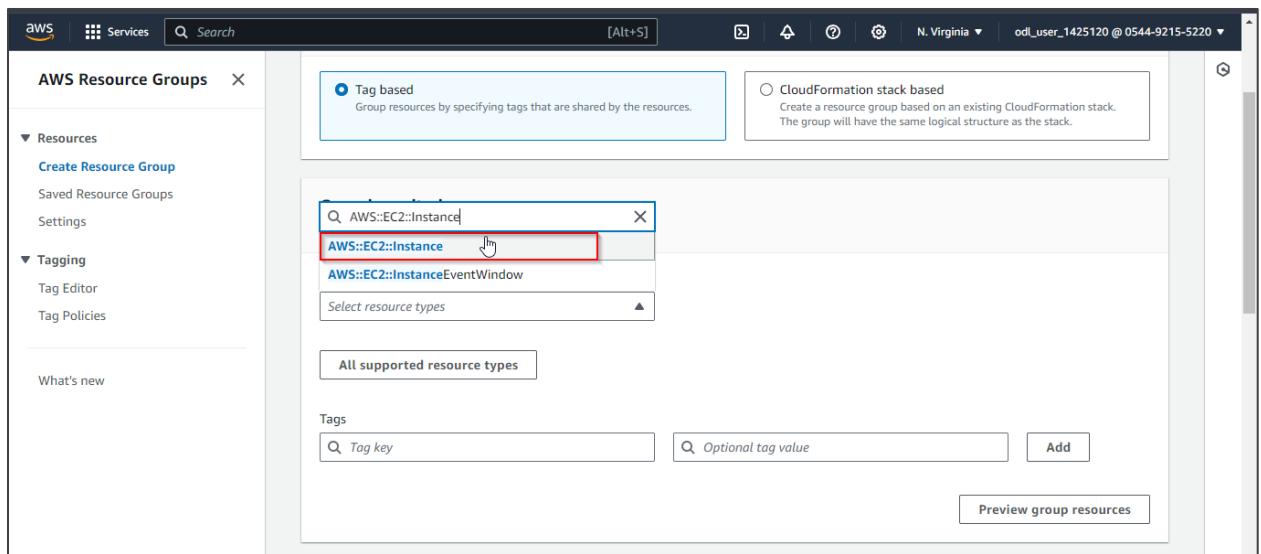
2.1 Access the AWS Management Console and search for **Resource Groups & Tag Editor**



2.2 Click on **Create a resource group**



2.3 In the Resource types section, search and select **AWS::EC2::Instance**



2.4 Specify the **Resource type** and add **Tag** keys. Repeat this step for **Name 2** and **3**

AWS Resource Groups

Tag based
Group resources by specifying tags that are shared by the resources.

CloudFormation stack based
Create a resource group based on an existing CloudFormation stack. The group will have the same logical structure as the stack.

Grouping criteria
Define a group based on resource types and tags.

Resource types
Select resource types
AWS::EC2::Instance

Tags
Name1 Optional tag value Add

Preview group resources

AWS Resource Groups

Tag based
Group resources by specifying tags that are shared by the resources.

CloudFormation stack based
Create a resource group based on an existing CloudFormation stack. The group will have the same logical structure as the stack.

Grouping criteria
Define a group based on resource types and tags.

Resource types
Select resource types
AWS::EC2::Instance

Tags
Tag key Optional tag value Add

Name1 Name2 Name3

Preview group resources

2.5 Under **Group name** provide **myAWSdemogroup** and in **Group description** provide **AWS demo test** and click on **Create group**

AWS Resource Groups

Resources

- Create Resource Group
- Saved Resource Groups
- Settings

Tagging

- Tag Editor
- Tag Policies

What's new

Group details

Group name

myAWSdemogroup

Maximum 300 characters. Must contain only letters, numbers, hyphens, underscores, and periods.

Group description - optional

AWS demo test

Maximum 512 characters. It can only contain letters, numbers, hyphens, underscores, dots, and spaces.

Group tags - Optional

The tags specified here will not be applied to group resources, but only the resource group itself.

Cancel **Create group**

AWS Resource Groups

Resources

- Create Resource Group
- Saved Resource Groups
- Settings

Tagging

- Tag Editor
- Tag Policies

What's new

myAWSdemogroup

Edit Delete

Group details

Group name

myAWSdemogroup

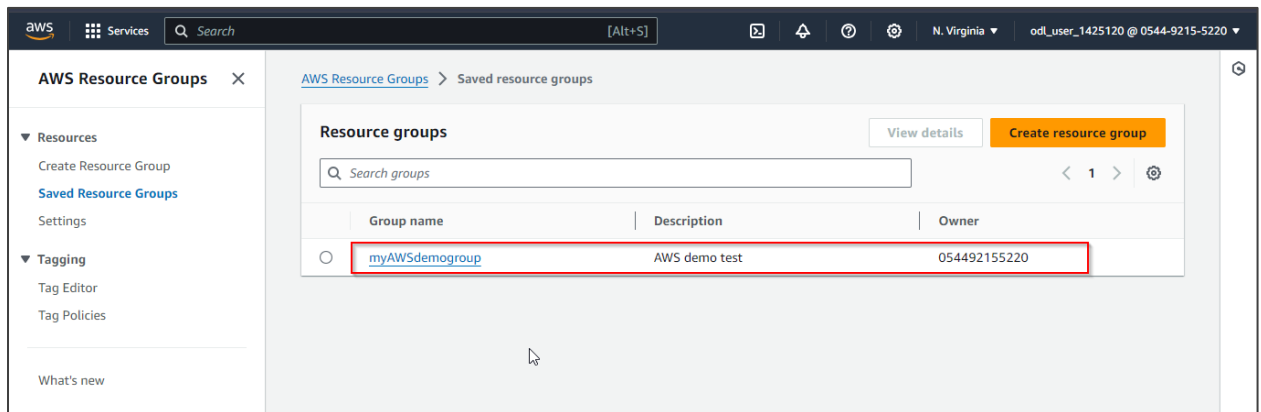
Group description

AWS demo test

Group ARN

arn:aws:resource-groups:us-east-1:054492155220:group/myAWSdemogroup

Group type and grouping criteria



The resource group is created successfully.

By following these steps, you have successfully created a resource group, a valuable tool for organizing and managing resources efficiently within your AWS environment.