**Lesson 7 Demo 4**

**Allow or Block Conditional Variables Restricted Access By IP**

**Objective:** To allow or block specific IPs on the user’s EC2 instance

**Tools required:** AWS Lab

**Prerequisites:** None

Steps to be followed:

1. Creating a security group.
2. Changing the security group.

**Step 1: Creating a security group.**

* 1. Select the **Services** from the top-right menu. Search and select the **EC2** service section.

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* 1. Click on the **Create security group** button in **Security Groups**.

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* 1. Enter the **Security group name** and **Description** as mentioned below:

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* 1. Click on the **Add rule** button in the **Inbound rules** section.

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* 1. In **Type**, select **All traffic**, and in Source, select **Custom**, then choose the options as shown below:

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* 1. Once the description is added, click on the **Create security group** button.

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* 1. The **Security group** is added successfully.

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**Step 2: Changing the security group.**

* 1. From the **EC2 Dashboard,** click on the **Instances (running)**.

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* 1. Search and select the **instances** the user has created.

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* 1. Click on the drop-down **Actions,** select **Security,** and click on **the Change security groups** option.

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* 1. Select the **security group** the user has created.

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* 1. Click on the **Add security group** button, then click on the **Save** button.

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* 1. The security group is changed successfully.

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