**Lesson 3 Demo 10**

**Manual and Dynamic Scaling**

**Objective:** To perform manual and dynamic scaling

**Tools required:** AWS workspace

**Prerequisites:** Create an EC2 instance named S3

**Steps to be followed:**

1. Working with predesigned Auto Scaling Group
2. Creating an EC2 Auto Scaling Group with Load Balancer

**Step 1: Working with predesigned Auto Scaling Group**

* + 1. Open the **AWS** console. Click on **EC2**.

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1.1 Users are redirected to the **New EC2 Experience** dashboard.

* 1. On the left pane select Auto Scaling Groups. Select the check box next to your Auto Scaling group.

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* 1. A split pane opens up at the bottom of the Auto Scaling groups page.
  2. On the Details tab, choose Group details, Edit.

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1.5 For Desired capacity, increase the desired capacity by one. For example, if the current value is 1, enter 2.

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* 1. The desired capacity must be less than or equal to the maximum size of the group. If your new value for Desired capacity is greater than Maximum capacity, you must update the Maximum capacity.
  2. When you are finished, choose Update.

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**Step 2: Create an EC2 Auto Scaling Group with Load Balancer**

* 1. Open the New **EC2 Experience** and select **suneel\_auto\_scaling\_group** from the list.

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* 1. Click on **Details**.

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* 1. In case to create a new auto scaling group, select **Create an Auto Scaling group**.

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* 1. Fill all the details and click on **Next**.

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* 1. Check all the details in the **Review** section.

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2.6 Now click on **Create Auto Scaling group**.

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2.7 Create an instance using **Launch Instance**.

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2.8 The instance is being launched.

2.9 Once the instance is launched, users are redirected to the **New EC2 Experience** dashboard.

2.10 Click on **Actions**, select **Instance Settings**. Then click on **Attach to Auto Scaling group**.

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2.12 Click on **Attach** button.

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