

Lesson 03 Demo 02

Automating App Installation on EC2 Instance

Objective: To automate application installation during EC2 instance launch in AWS using User

Data

Tools required: AWS workspace

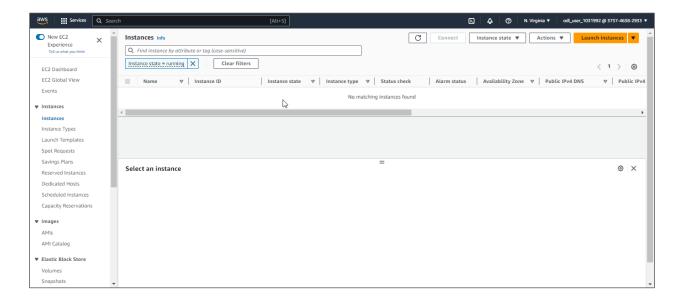
Prerequisites: NA

Steps to be followed:

1. Install apps when launching an instance

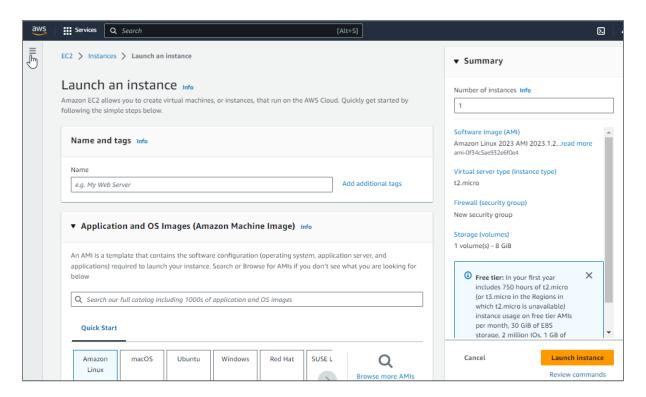
Step 1: Install apps when launching an instance

1.1 Open the EC2 Instances dashboard

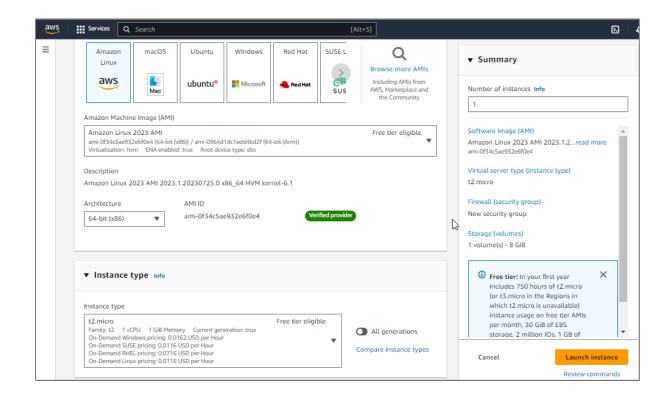




1.2 Click on **Launch Instance** and the following screen will appear:



1.3 Fill in the details for the instance and scroll down to the Advanced details section

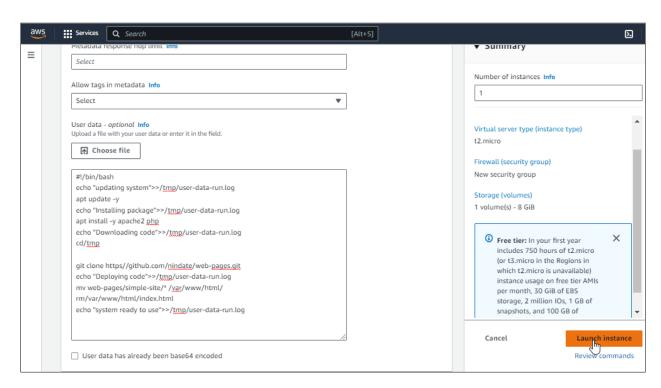




1.4 Under the **Advance details** section, scroll down to the **User data** box. Write the below-mentioned code and click **Launch instance**:

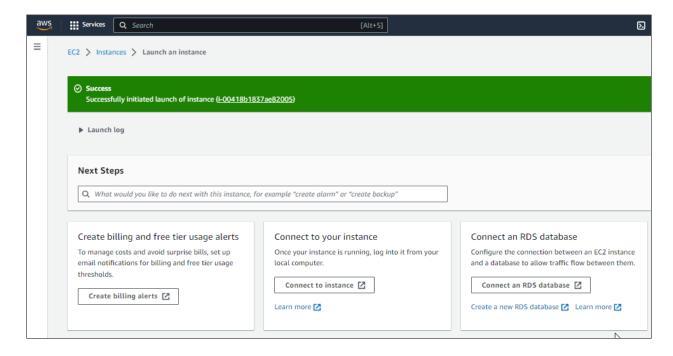
#!/bin/bash
echo "updating system">>/tmp/user-data-run.log
apt update -y
echo "Installing package">>/tmp/user-data-run.log
apt install -y apache2 php
echo "Downloading code">>/tmp/user-data-run.log
cd/tmp

git clone https://github.com/nindate/web-pages.git echo "Deploying code">>/tmp/user-data-run.log mv web-pages/simple-site/* /var/www/html/ rm/var/www/html/index.html echo "system ready to use">>/tmp/user-data-run.log





After launching the instance, the following screen will appear:



By following these steps, you have successfully learned the process of automating the installation of applications while launching an EC2 instance in AWS using User Data.