**Lesson 3 Demo 2**

**User data and Metadata – Installing apps when launching an instance**

**Objective:** To install apps while launching an instance

**Tools required:** AWS workspace

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

Steps to be followed:

1. Open the **EC2 Instance** dashboard
2. Click on **Launch Instance** to Create an Instance and this screen appears.
3. Fill in the details in the **Review and Launch** page.
4. In the **User Data** box, write this code and click Review and Launch.

**Step 1:** **Open the EC2 Instance dashboard.**

Graphical user interface, text

Description automatically generated

**Step 2:** **Click on Launch Instance to create an instance and this screen appears.**

Graphical user interface, text, website

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**Step 3:** **Fill in the details.**

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**Step 4: In the user data box, write this code and click Review and Launch.**

**In the sudo -s**

**apt update -y**

**apt install -y a;pache2 php**

**cd/tmp**

**git clone https//github.com/nindate/web-pages.git**

**mv web-pages/simple-site/\* /var/www/html/**

**rm/var/www/html/index.html**

**======================================**

**user data**

**#!/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**

Graphical user interface, text

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Click on **Review and Launch.**

A screenshot of a computer

Description automatically generated with medium confidence

Once the instance is launched this screen appears.

A screenshot of a computer

Description automatically generated with medium confidence