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Exercise 2

In this exercise, you will create your first Amazon EC2 instance and install a sample Python Flask app using user data. When you launch an instance in Amazon EC2, you can pass user data to the instance that can be used to perform common automated configuration tasks. User data is usually passed in the form of shell-scripts. You can pass this data into the launch wizard as plain text, as a file while launching via the command line tools, or as base64-encoded text for API calls.

To get started, follow the steps below.

1. Launch an Amazon EC2 instance with a user data script.

In this section, you will launch an Amazon EC2 instance with a user data script. If you are familiar with Amazon EC2, you may want to attempt to complete this section by using the properties below before reading the step-by-step instructions.

Region: Oregon (us-west-2)

Amazon Machine Image (AMI): Amazon Linux AMI (*Do not use the Amazon Linux 2 AMI*)

Instance Type: t2.micro

User data script: [Download](#)

Tag: SamplePythonFlaskApp

Security group name: exercise2-sg

Security group rules: Allow HTTP

Key Pair: Proceed without a key pair

► Expand for step-by-step instructions.

2. Test the sample app running on your instance

- Open a browser and type the public IP of the Amazon EC2 instance you copied earlier.
- You should see a sample Python app running on your Amazon EC2 instance.

Congratulations! You have launched your first web server in AWS.

3. Terminate the Amazon EC2 instance

In this section, you will terminate the Amazon EC2 instance by selecting the instance in EC2 dashboard and clicking **Actions -> Instance State -> Terminate** .

► Expand for step-by-step instructions

