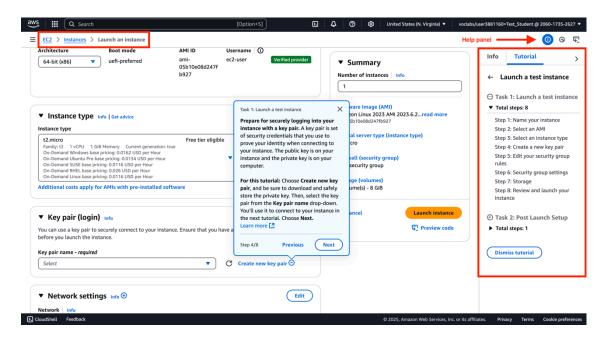
Tutorials for Setting Up Deployments with AWS

Log in Canvas -> AWS Academy Learner Lab [109407] -> Modules -> Launch AWS Academy

Learner Lab -> ► Start Lab -> AWS ●

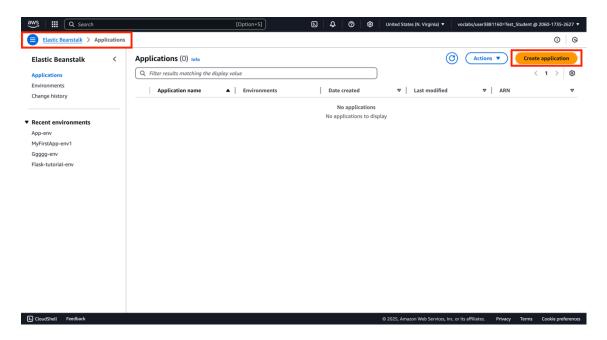
EC2

Follow the tutorial in the screenshot below and read the official User Guide (https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EC2_GetStarted.html) as a complement.

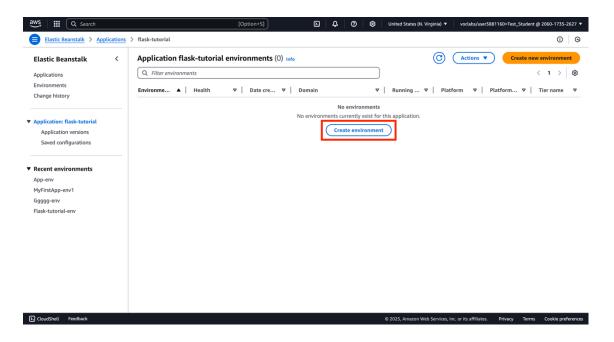


Elastic Beanstalk - Deploying a Flask application to Elastic Beanstalk

- Create a Flask application application.py and a requirements file requirements.txt, following the instructions in the official Developer Guide (https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/create-deploy-python-flask.html).
- 2. Compress these two files into a ZIP archive named eb-Flask.zip
- 3. AWS Management Console -> Elastic Beanstalk -> Applications -> Create application
 - Application name: flask-tutorial --> Create

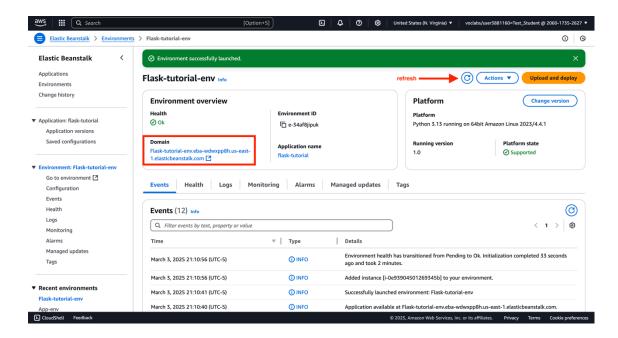


Create environment



Platform -> Platform: Python

- Application code -> Upload your code
 - Version label: 1.0
 - Local file -> Choose file: eb-Flask.zip
- Next
- Service access -> Use an existing service role
 - Existing service roles: LabRole
 - EC2 instance profile: LabInstanceProfile
- Next
- Skip to review
- Submit
- 5. Press the refresh button until the environment successfully launched.
- 6. Press the Domain link.



For more information, please refer to the links below:

- How to Create Elastic Beanstalk environment in AWS | Python sample Application: https://www.youtube.com/watch?v=Hp6QgknseuQ
- How to Deploy Python Flask based Web Application to Elastic Beanstalk Environment: https://www.youtube.com/watch?v=FaKIKCicyKQ

Amplify

Due to IAM role and policy restrictions, the tutorial in the link below **cannot be completed in the AWS Academy Learner Lab**. However, you can complete it using your personal AWS account instead.

Build a Basic Web Application TUTORIAL:
 https://aws.amazon.com/getting-started/hands-on/build-web-app-s3-lambda-api-gate
 way-dynamodb/

App Runner

Due to IAM role and policy restrictions, the tutorial in the link below **cannot be completed in the AWS Academy Learner Lab**. However, you can complete it using your personal AWS account instead.

Getting started with App Runner:
 https://docs.aws.amazon.com/apprunner/latest/dg/getting-started.html