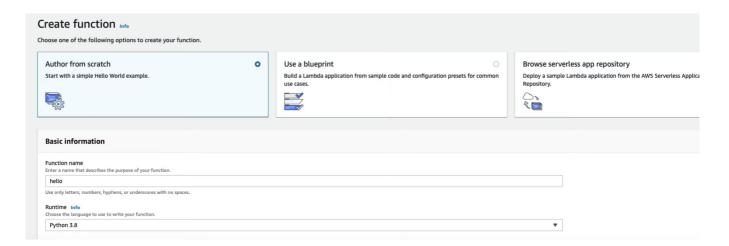
Solution: Uploading a Lambda Function

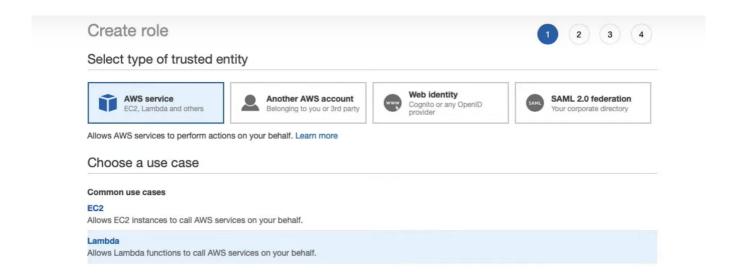
- 1. Navigate to the Lambda Console
- 2. Create a new Lambda Function
- 3. Use Author from scratch, Python3.8, and name the function hello



- 4. Expand the permissions section
- 5. Click the IAM Console link



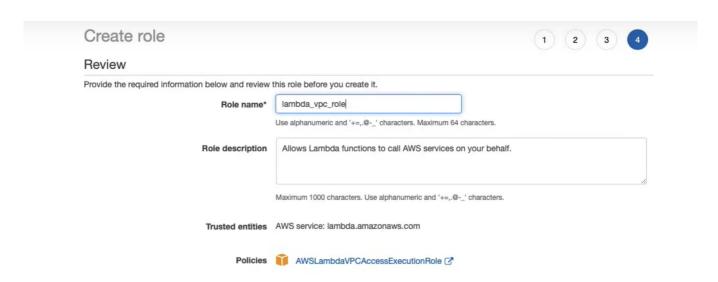
- 6. Click on Roles from the left sidebar
- 7. Create a new role
- 8. Set the type of trust identity to Lambda



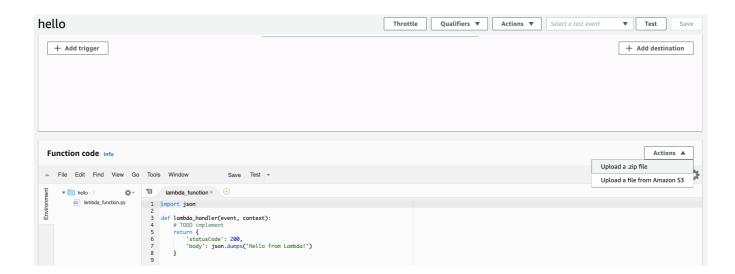
9. Attach the built-in policy: "AWSLambdaVPCAccessExecutionRole"



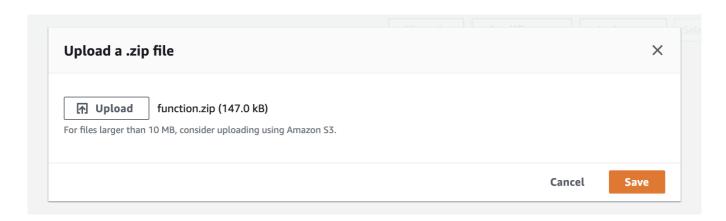
10. Name the role lambda_vpc_role



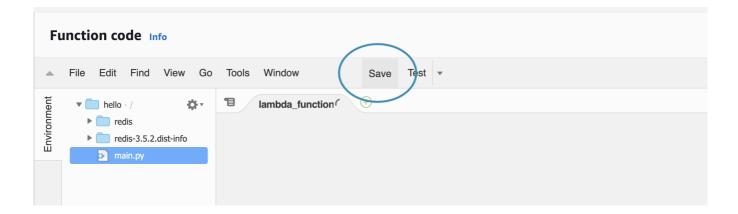
- 11. Click the Actions drop-down menu from the Function code section of the Lamba **Function Console**
- 12. Select Upload a .zip file



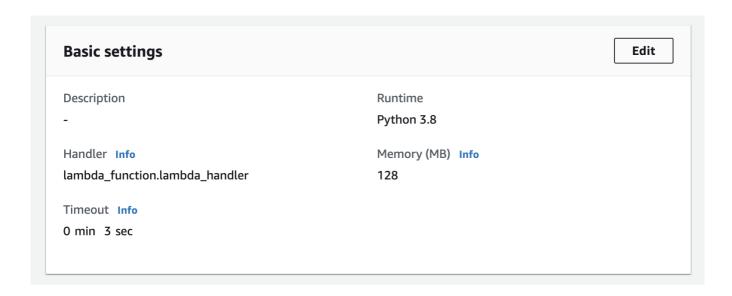
13. Select the **function.zip** package created in the previous exercise



Once selected, you MUST click Save

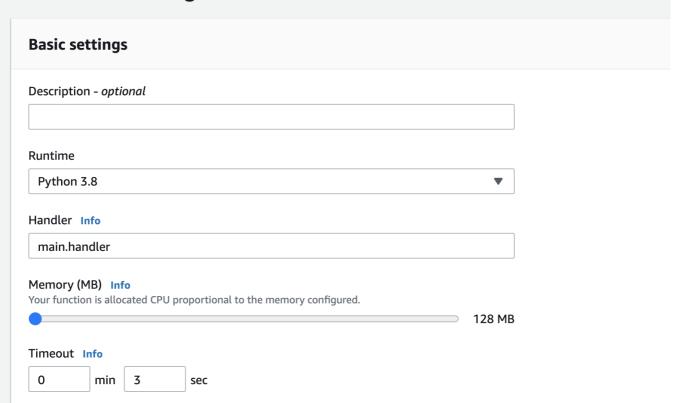


- 14. Scroll down to the **Basic settings** section
- 15. Click the Edit button



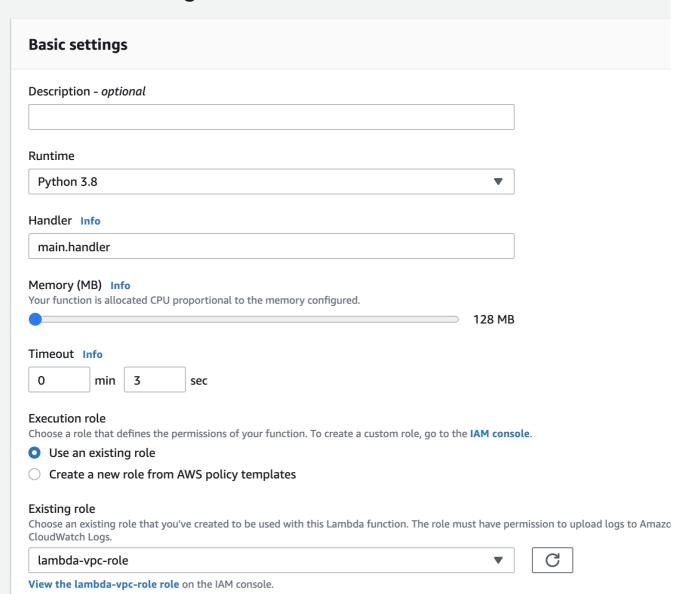
16. Set the Handler field to main.handler

Edit basic settings



- 17. Select Use an existing role
- 18. Select lambda-vpc-role from the drop-down menu of existing roles

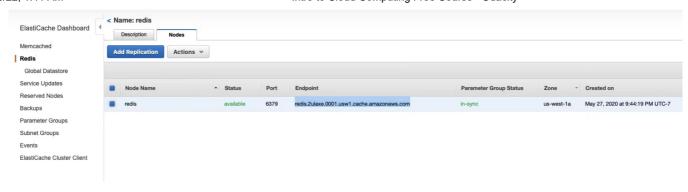
Edit basic settings



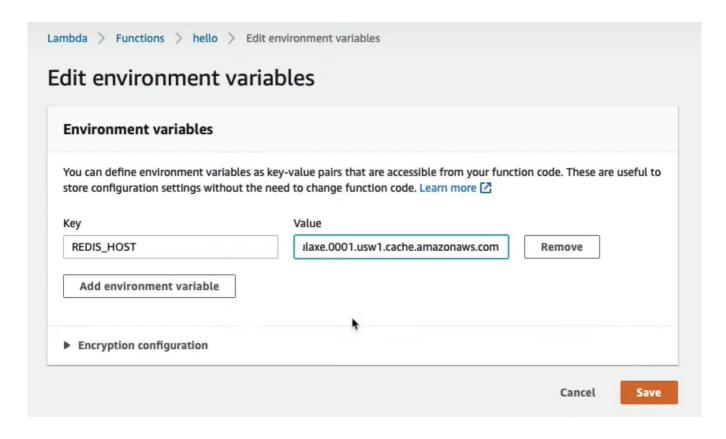
Setting the REDIS_HOST Environment Variable

- 1. In another tab, open the ElastiCache Console
- 2. Expand the "redis" node
- 3. Copy the node's endpoint



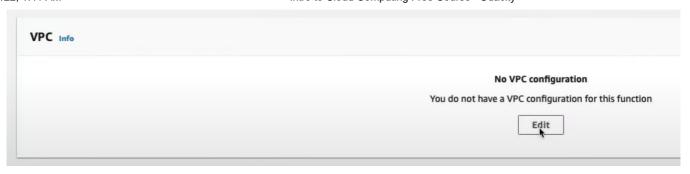


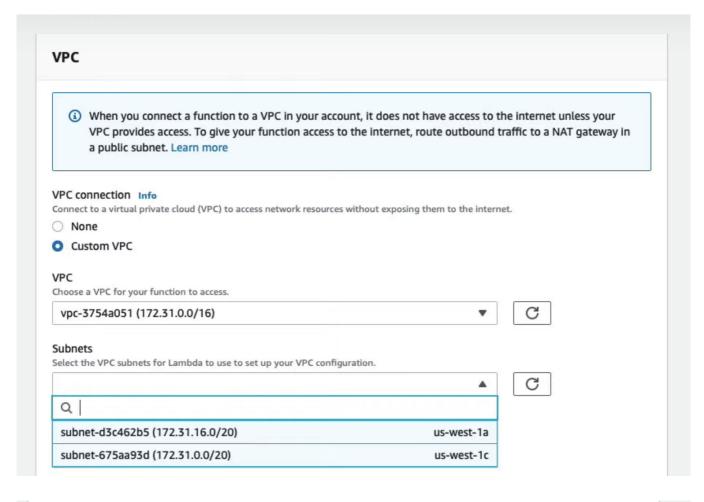
- 4. Click the **Edit** button in the **Environment Variables** section
- 5. Set the **key** to **REDIS_HOST** and paste the node endpoint as the **value**



Connect The Lambda to the ElastiCache Redis Network

- 1. Click on the Edit button on the VPC section
- 2. Select Custom VPC and select the default vpc
- 3. Select all the subnets under **Subnets**
- 4. Under the Security groups select the (default) security group this enables the Lambda to access the ElastiCache for Redis
- 5. Click Save







Successfully updated the function hello.