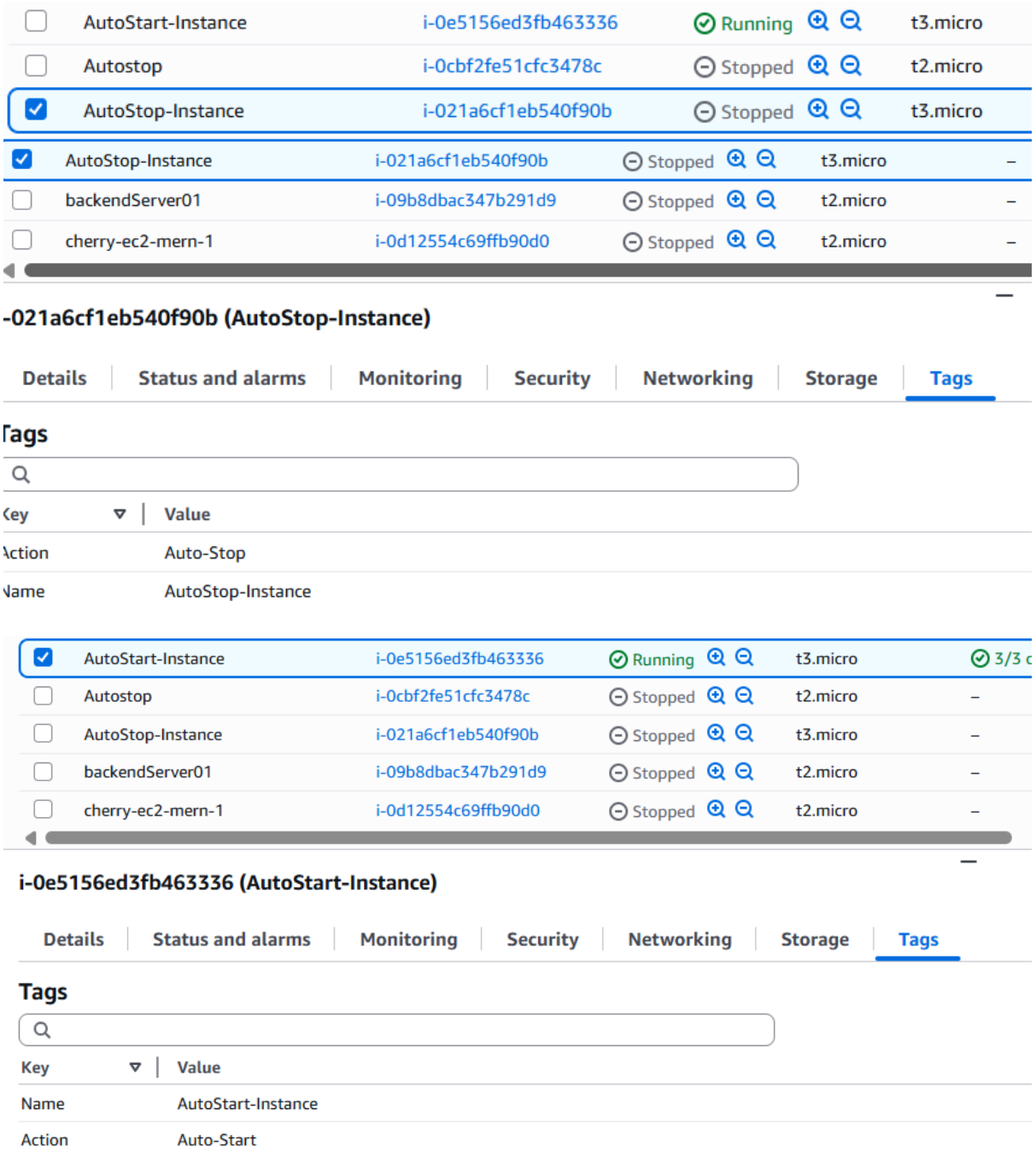
The objective of this assignment is to automate the starting and stopping of EC2 instances based on tags using AWS Lambda and Boto3.

- Amazon EC2
- AWS Lambda
- AWS IAM
- Amazon CloudWatch Logs
- Boto3 (Python SDK)

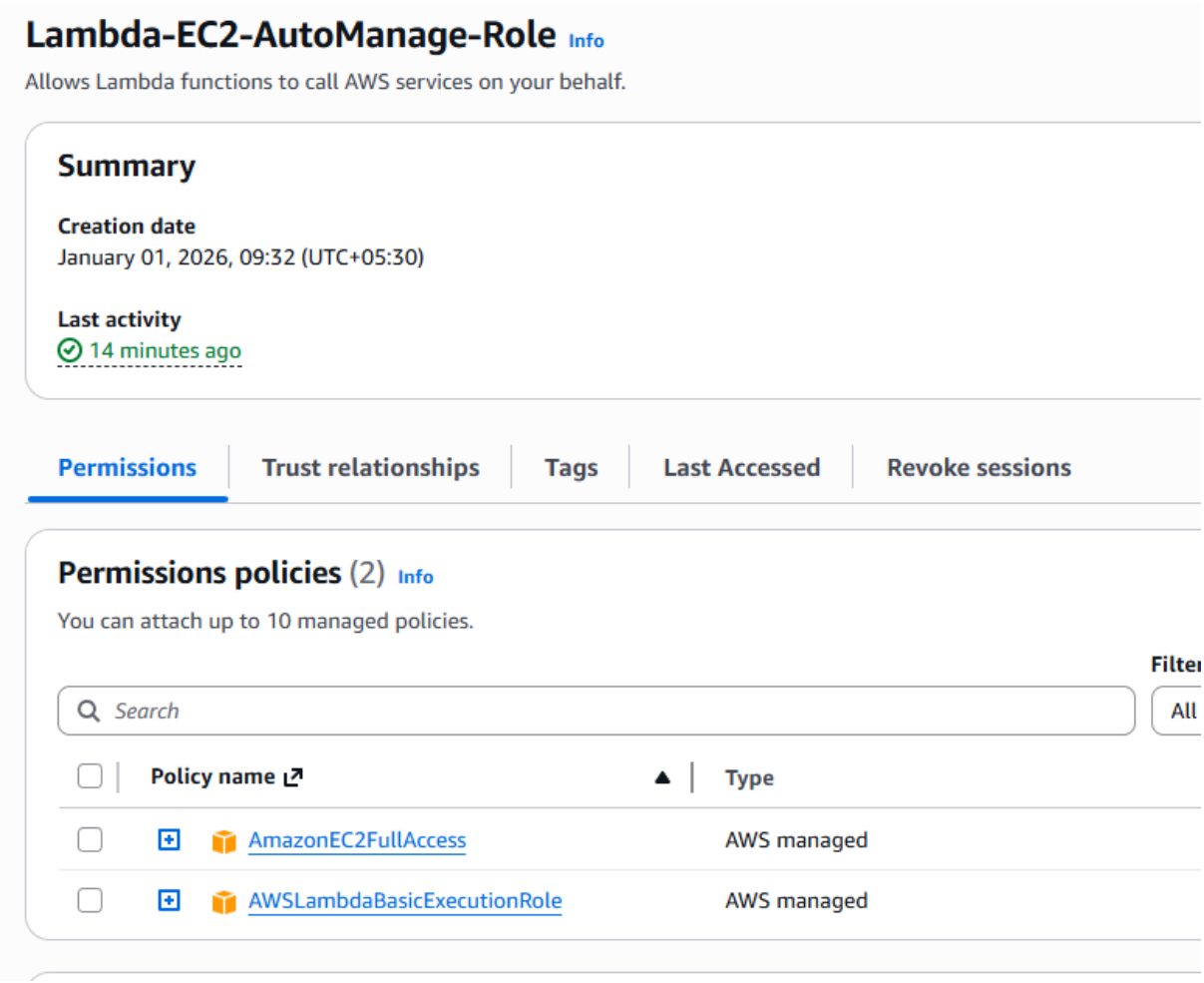
Two EC2 instances were created using Amazon Linux 2 AMI.
One instance was tagged with Action = Auto-Stop and the other with Action = Auto-Start.



An IAM role was created for Lambda with the following permissions:

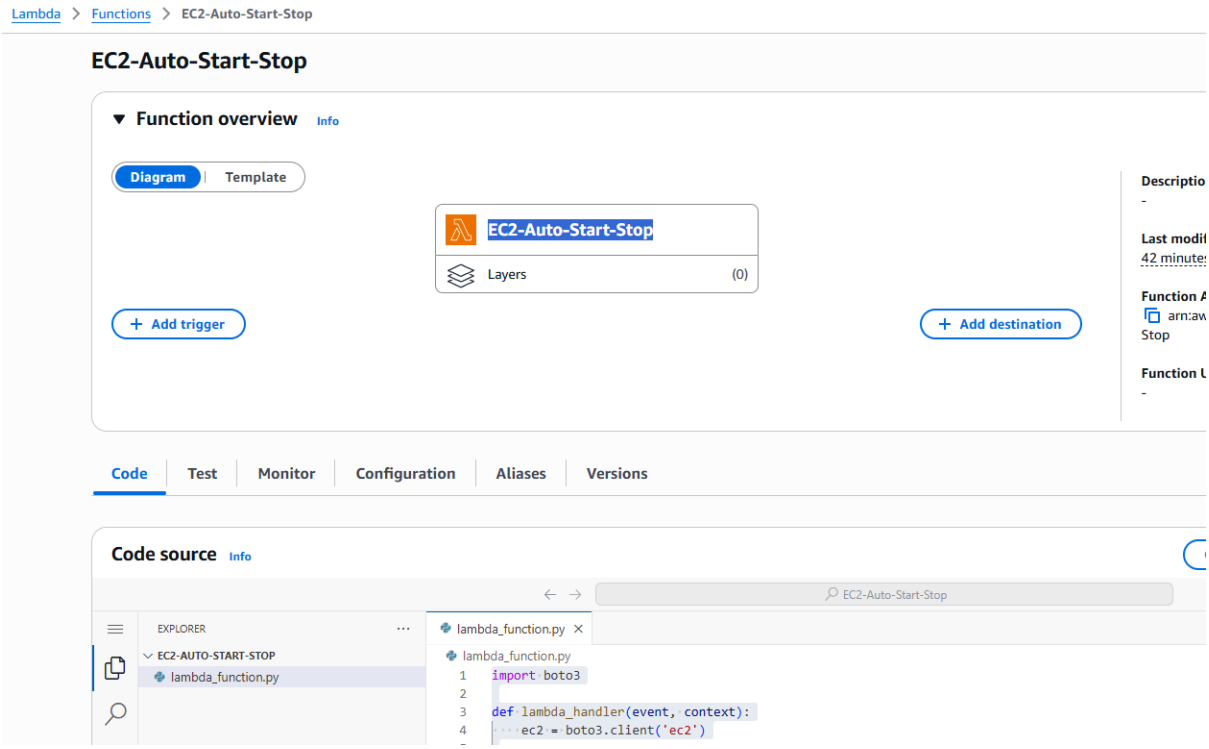
- AmazonEC2FullAccess

- AWSLambdaBasicExecutionRole



A Lambda function was created using Python runtime.

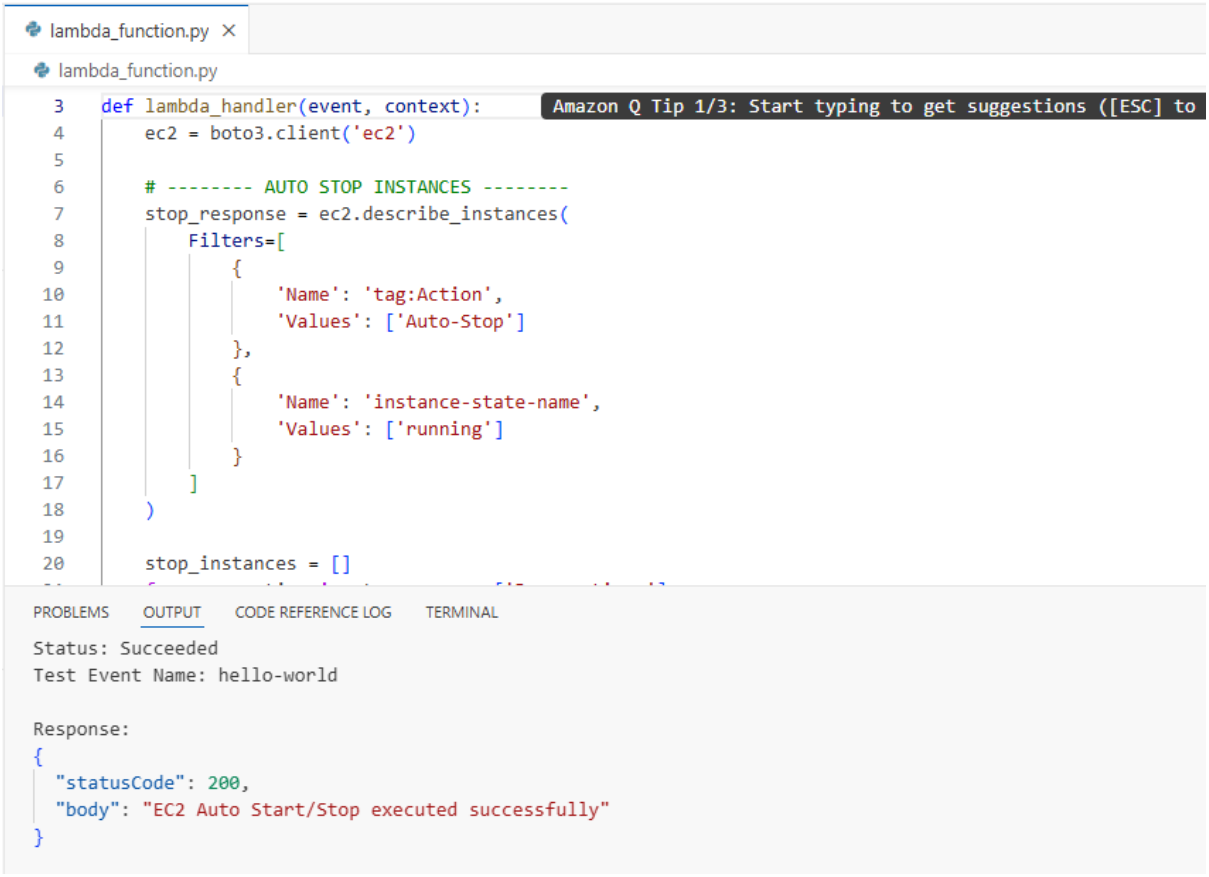
The IAM role created earlier was attached to the function.



The Lambda function uses Boto3 to:

- Identify EC2 instances with Auto-Stop tag and stop them

- Identify EC2 instances with Auto-Start tag and start them



GitHub Repository:

https://github.com/Rushiargade/aws-lambda-ec2-auto-start-stop.git