## Core Assignment 4: Log the State of an Amazon EC2 Instance Using CloudWatch Events

**Muhannad Sinan** 

Log the State of an AWS EC2 Instance Using CloudWatch Events (now EventsBridge)

You can create an AWS Lambda function that logs the changes in state for an Amazon EC2 instance.

You can choose to create a rule that runs the function whenever there is a state transition or a transition to one or more states that are of interest.

## Follow the below steps:

1. Create a Lambda function to log the state change events. You specify this function when you create your rule.

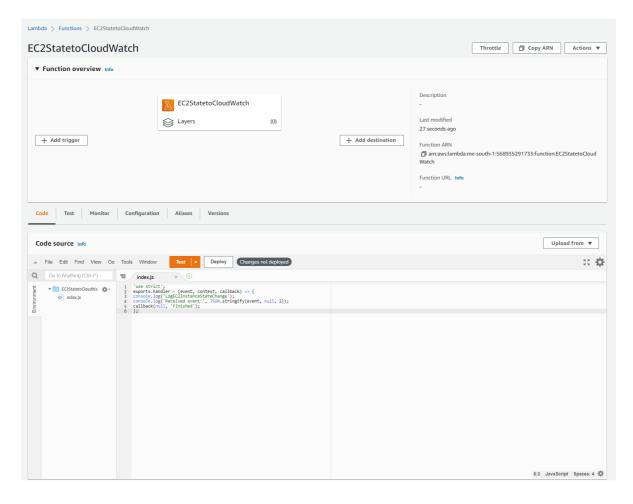
Example code for logging the state of EC2 instance

```
1 'use strict';
2 exports.handler = (event, context, callback) => {
3 console.log('LogEC2InstanceStateChange');
4 console.log('Received event:', JSON.stringify(event, null, 2));
5 callback(null, 'Finished');
6 };
```

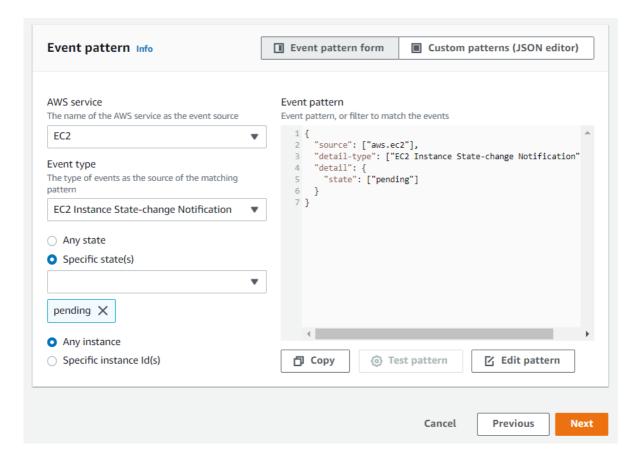
- 1. Create a rule to run your Lambda function whenever you launch an Amazon EC2 instance.
- 2. Test the rule -- To test your rule, launch an Amazon EC2 instance. After waiting a few minutes for the instance to launch and initialize, you can verify that your Lambda function was invoked.
- 3. Take a screen shot of your results.

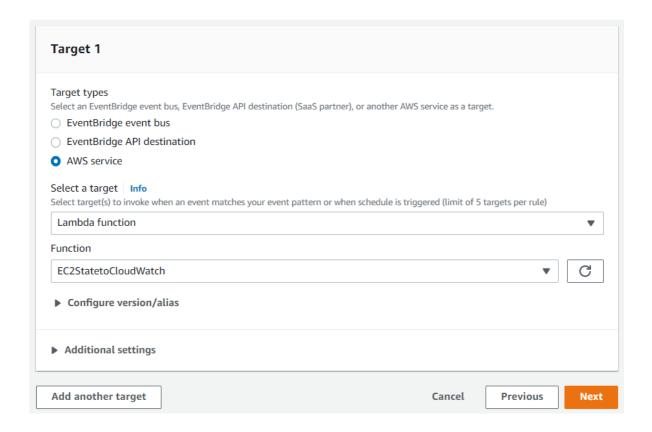
## Step1:

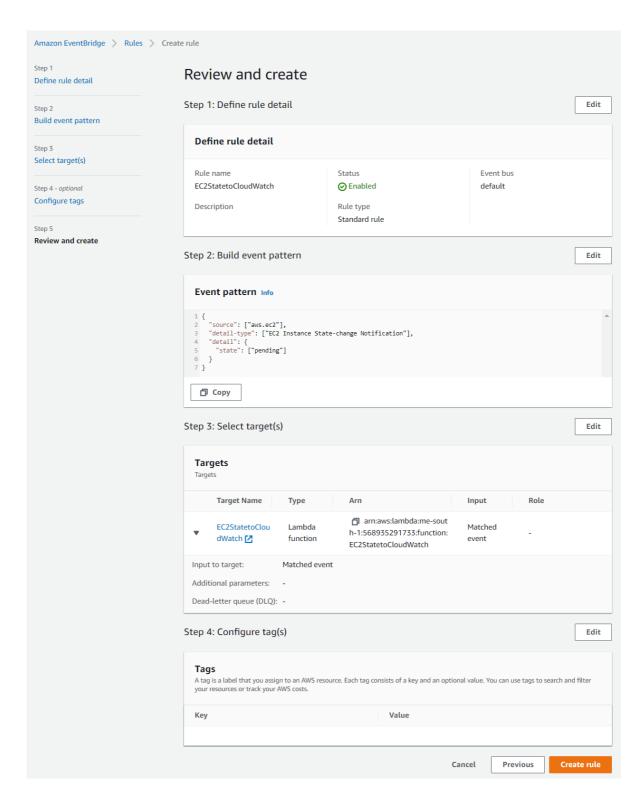
Creating a Lambda function to log the state change events. You specify this function when you create your rule.



Creating a rule to run your Lambda function whenever you launch an Amazon EC2 instance.

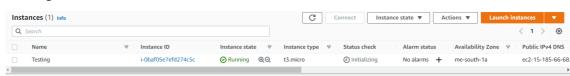




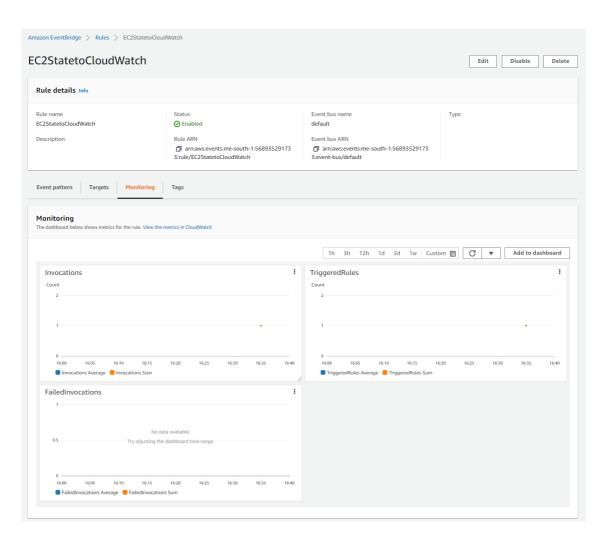


Testing the rule -- To test your rule, launch an Amazon EC2 instance. After waiting a few minutes for the instance to launch and initialize, you can verify that your Lambda function was invoked.

· lunching an instance



EventBridge Monitoring



• function Logs

