Automatically stop and start EC2 Instances

With Amazon EventBridge and AWS Lambda

ACADEMY

Application Development– Use Case

Perform User Acceptance Testing (UAT) - Alpha and Beta tests.

UAT Server Farm Solution

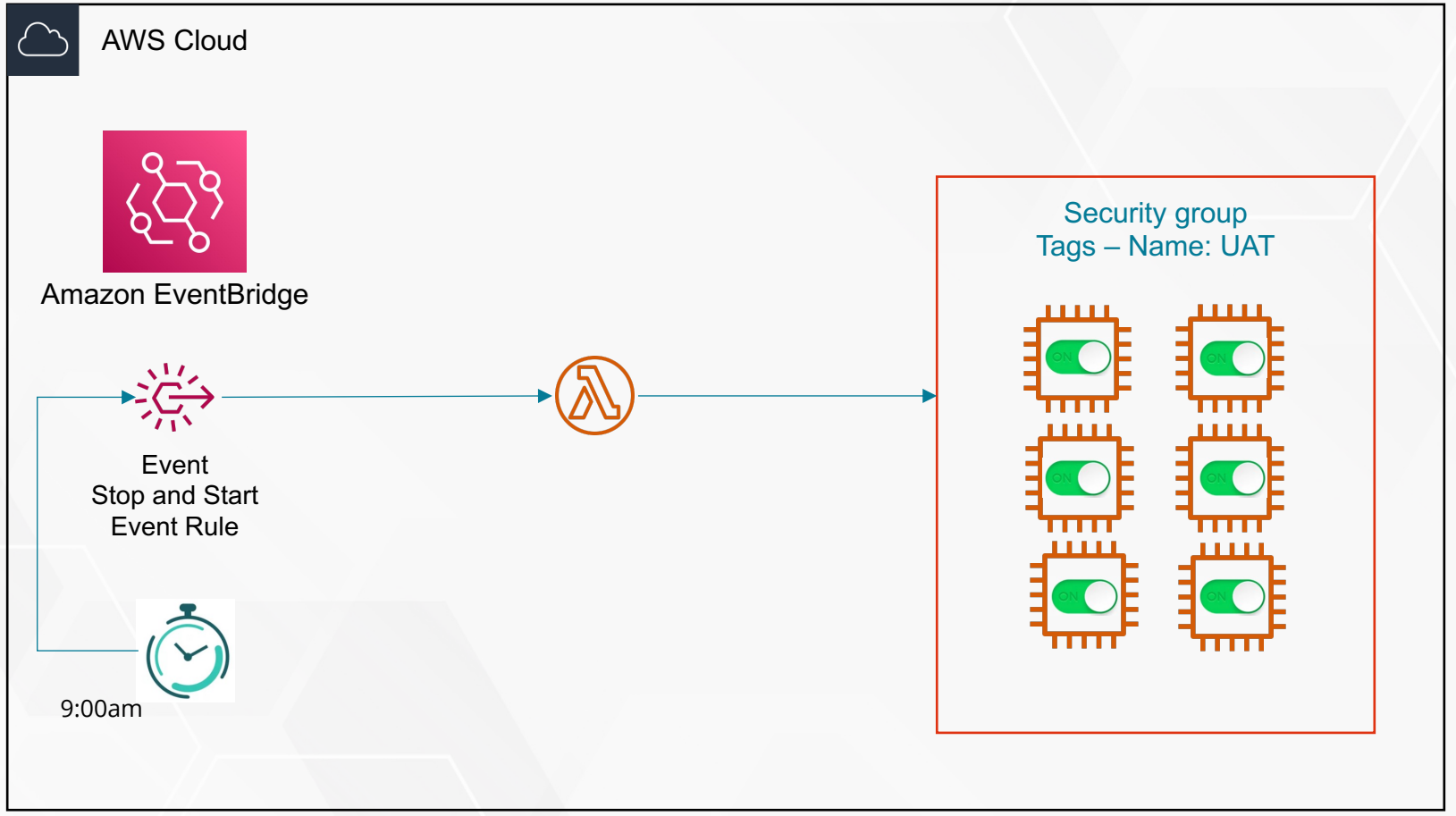
Launch and configure your test servers ready for the UAT test team.

- Deploy **On-Demand** EC2 instances, configure OS and deploy your application.
- UAT test phase to last three months
- UAT teams will work Mon to Fri, 9 am to 5 pm

Proposed Solution

Set up a scheduled event to automatically stop the EC2 instances at the end of each weekday. Restart the EC2 Instances just before the start of each weekday.

Proposed Architecture



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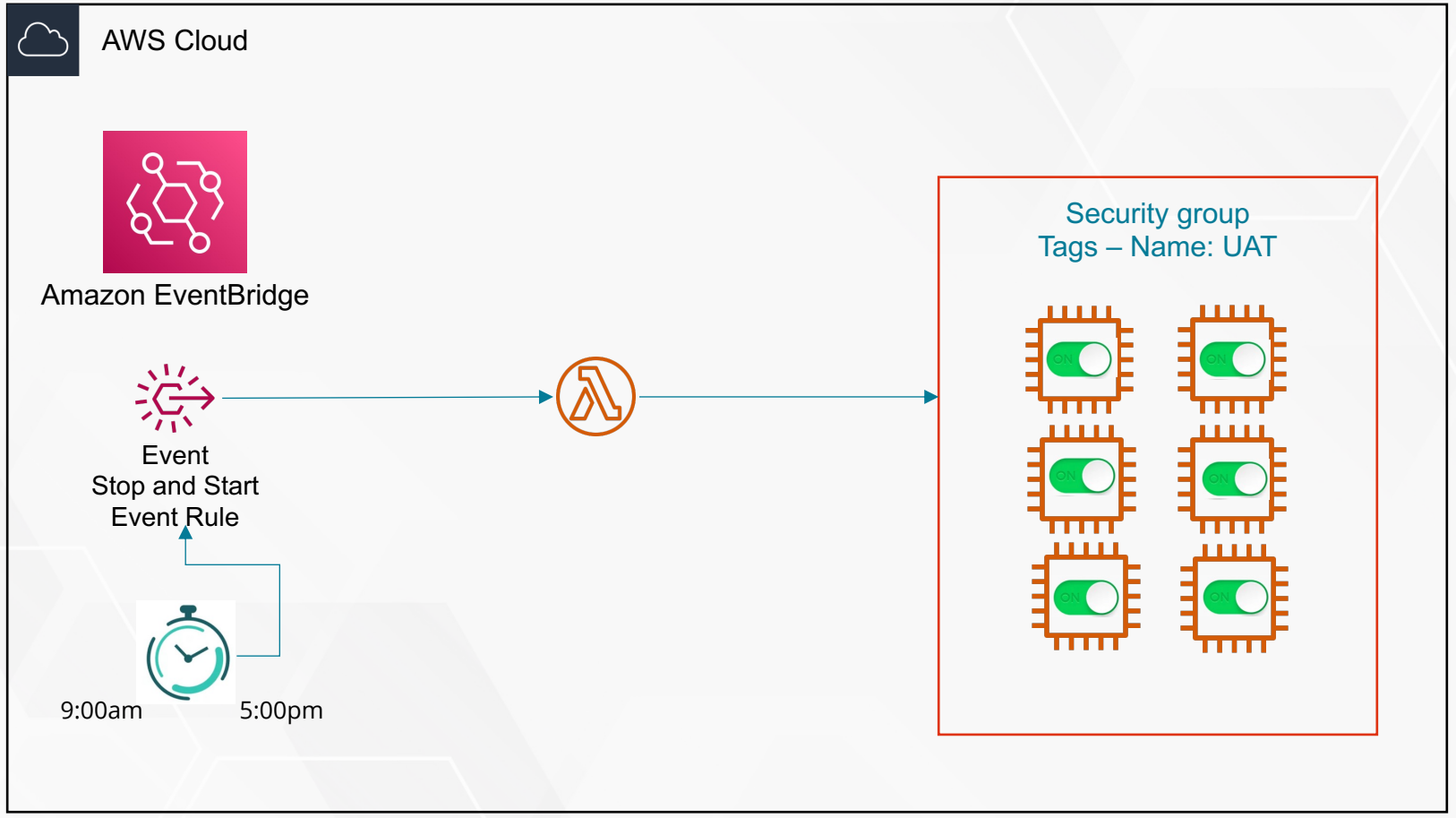

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Lab Implementation Steps

1

EC2 Instance will need to be tagged, for example you can set the tag ‘project’ with a value of “uat”

2

Create an IAM Policy and IAM Role to allow Lambda access to your EC2 Instances with the permissions start and stop those instances

3

Create a Lambda function which will perform the start and stop of your EC2 Instances

4

Configure an EventBridge scheduled event to trigger the Lambda function at the designated schedule to perform the start and stop of your EC2 Instances