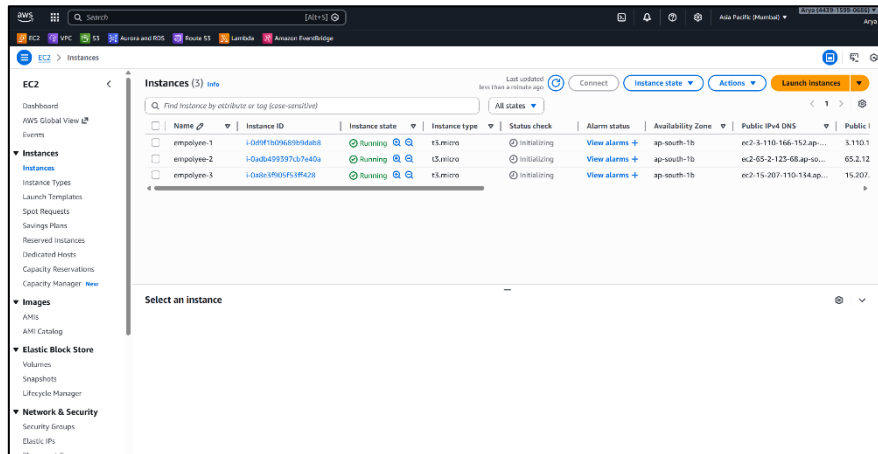
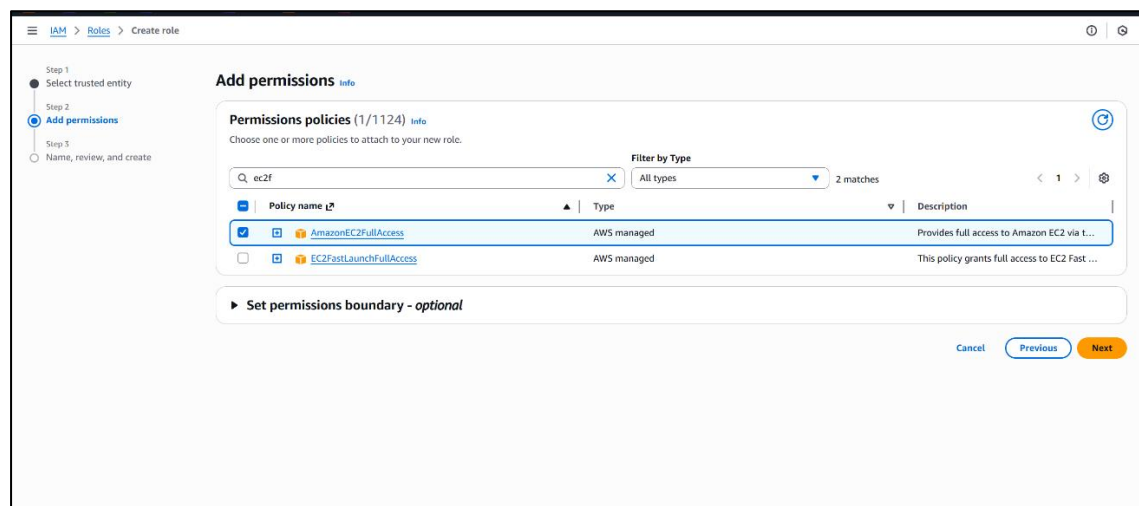
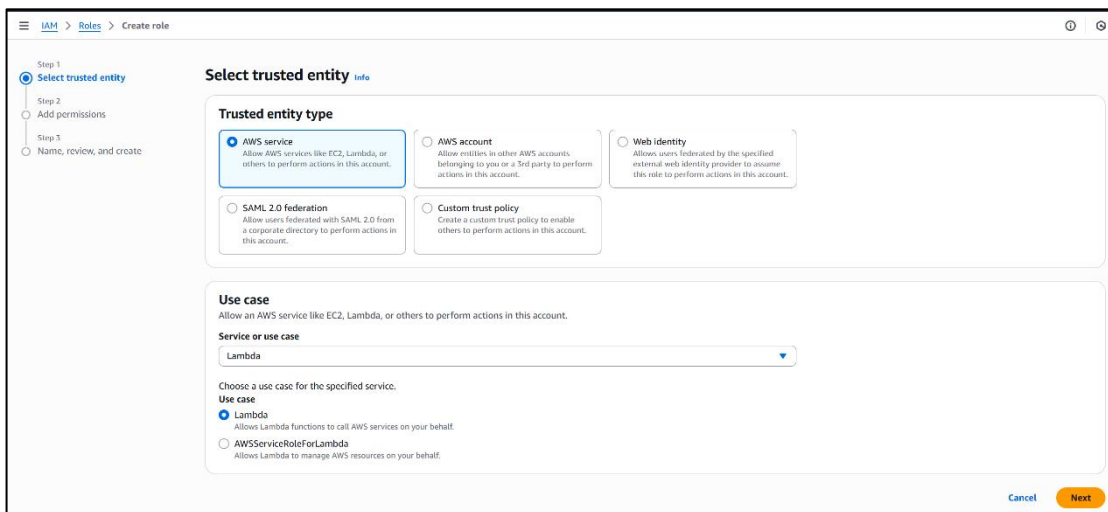


Stop And Start 3 instances by using Lambda Function and EventBridge

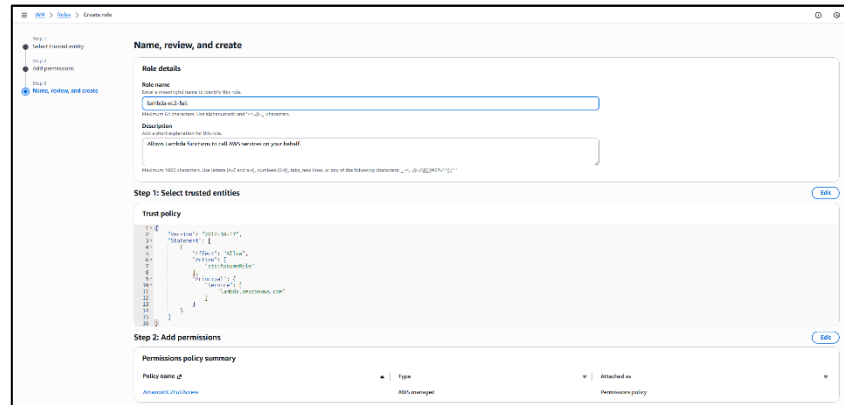
Step 1: First, create 3 Instances with your configuration.



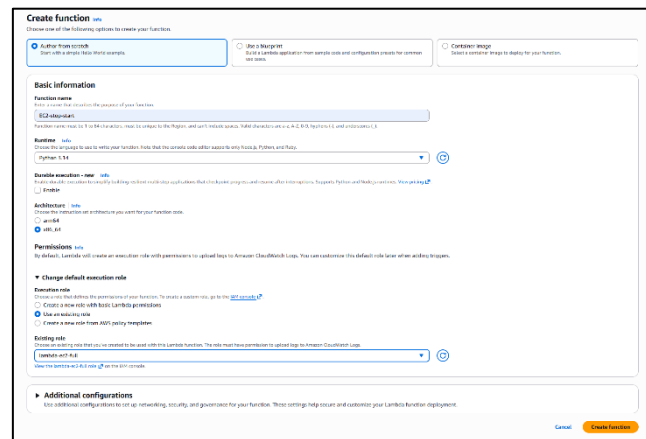
Step 2: Now you need an IAM Role to give to the lambda function creation (EC2fullAccess).



Stop And Start 3 instances by using Lambda Function and EventBridge

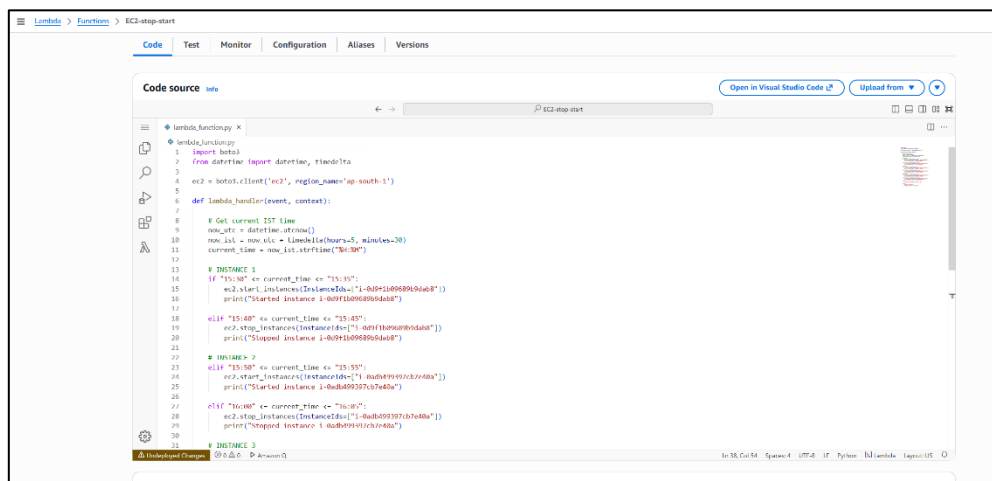


Step 3: After creating a role, create a Lambda function.



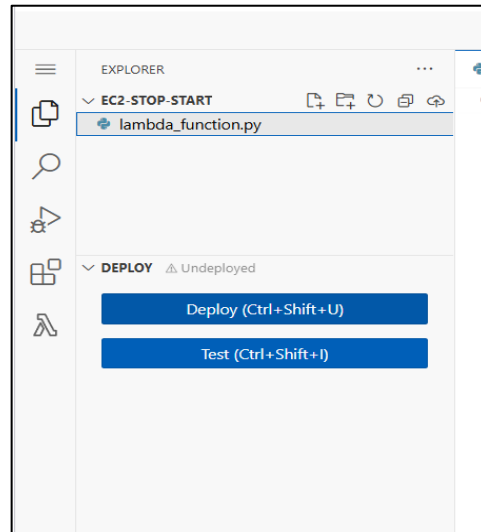
In this, select Python 3.14 because we are writing code in Python to start and stop instances. And also, in Change default execution role, select Use existing role and select the role we created here.

Step 4: Now write code or paste code in the code tab. And change region, instance ID, and timing.

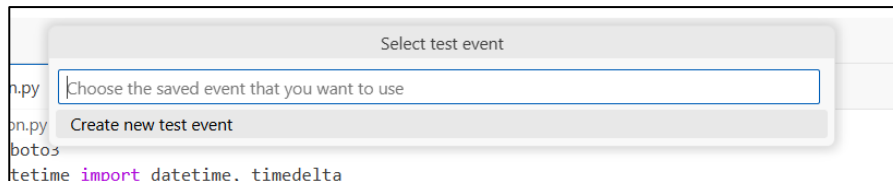


Stop And Start 3 instances by using Lambda Function and EventBridge

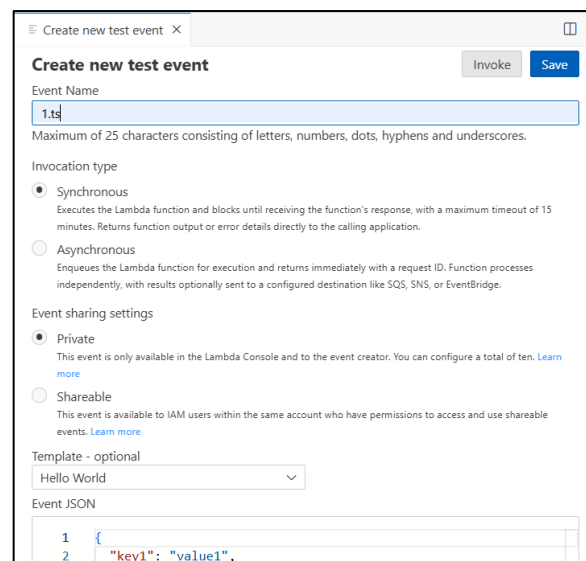
Step 5: After the changes, click on deploy the code to save it and click on test to create a test to run the code.



Step 6: After this, there is a window in popped to create a test click to create a new test event.



Step 7: Give the name to the Test event and save to only.



Step 8: Now go to Event Bridge, in that Bus got rule and create a scheduled rule.

Stop And Start 3 instances by using Lambda Function and EventBridge

Rules
A rule watches for specific types of events. When a matching event occurs, the event is routed to the targets associated with the rule. A rule can be associated with one or more targets.

Select event bus
Event bus
Select or enter event bus name
default

Rules on default event bus
Find rules: [input] Any status: [dropdown]
[Delete] [Enable] [Edit] [Classification Template] [Create rule] [Create scheduled rule]
No rules
No rules to display.
[Create rule]

Step 9: In this give a name to the rule – we create a start rule, for instance and click next.

Define rule detail
Step 1: Define rule detail (selected)
Step 2: Define schedule
Step 3: Select targets
Step 4: optional: Configure tags
Step 5: Review and create

Scheduled rule detail
Name: start-emo-1
Description - optional: start employee server 1
Event bus: default
[Enable the rule on the selected event bus]
EventBridge Scheduler - A new AWS scheduling capability!
A new EventBridge scheduling functionality that provides one-time and recurring scheduling functionality independent of Event buses and rules. You can create a schedule to invoke targets such as a Lambda function. [Learn More](#)
[Continue in EventBridge Scheduler]

Step 10: Next, create a pattern or give the crontab. Here you have to give Minutes, hours, Day of month, month, day of week, and year. Here in 3 or 5 position, you have to give “?” for all selections.

Schedule pattern
Schedule pattern
Choose the schedule type that best meets your needs.
[A fine-grained schedule that runs at a specific time, such as 8:00 a.m. PST on the first Monday of every month.] [A schedule that runs at a regular rate, such as every 10 minutes.]
Cron expression: Define the cron expression for the schedule
cron (00 10 * * ? *)
Next 10 trigger date(s): UTC
Fri, 19 Dec 2025 10:00:00 UTC
Sat, 20 Dec 2025 10:00:00 UTC
Sun, 21 Dec 2025 10:00:00 UTC
Mon, 22 Dec 2025 10:00:00 UTC
Tue, 23 Dec 2025 10:00:00 UTC
Wed, 24 Dec 2025 10:00:00 UTC
Thu, 25 Dec 2025 10:00:00 UTC
Fri, 26 Dec 2025 10:00:00 UTC
Sat, 27 Dec 2025 10:00:00 UTC
Sun, 28 Dec 2025 10:00:00 UTC

Step 11: Now here select the function – lambda function and select the ARN of your function, and in execution role - create a new role of specific resource.

Targets
Details: Target Name: EC2-stop-start | Type: Lambda function | ARN: arn:aws:lambda:ap-south-1:443915990686:func:stopEC2-stop-start | Input: Matched event | Role: Amazon_EventBridge_Invoke_Lambda_159205213
Input to target: Matched event
Additional parameters: --
Dead-letter queue (DLQ): --
Step 4: Configure tag(s)
Tags (0)
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.
Key: | Value: |
No tags associated with this resource.
[Cancel] [Previous] [Create rule]

Stop And Start 3 instances by using Lambda Function and EventBridge

Target types
Select an EventBridge event bus, EventBridge API destination (SaaS partner), or another AWS service as a target.

☐ EventBridge event bus
☐ EventBridge API destination
☒ AWS service

Select a target [Info](#)
Select target(s) to invoke when an event matches your event pattern or when schedule is triggered (limit of 5 targets per rule)

Lambda function

Target location
☒ Target in this account
☐ Target in another AWS account

Function
EC2-stop-start

Configure version/alias

Permissions
☒ Use execution role (recommended)

Execution role
EventBridge needs permission to send events to the target specified above. By continuing, you are allowing us to do so. [EventBridge and AWS Identity and Access Management](#)

☒ Create a new role for this specific resource
☐ Use existing role

Role name
Amazon_EventBridge_Invoke_Lambda_159205213

Additional settings

Step 12: Now, create a rule.

| Details | Target Name | Type | ARN | Input | Role |
|---------|----------------|-----------------|--|---------------|--|
| ▼ | EC2-stop-start | Lambda function | arn:aws:lambda:ap-south-1:443915990686:func:ion:EC2-stop-start | Matched event | Amazon_EventBridge_Invoke_Lambda_159205213 |

Input to target: Matched event
Additional parameters: --
Dead-letter queue (DLQ): --

Step 4: Configure tag(s) [Edit](#)

Tags (0)
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

| Key | Value |
|--|-------|
| No tags associated with this resource. | |

[Cancel](#) [Previous](#) [Create rule](#)

Step 13: Now, also create a rule to stop instances with time.

Scheduled rule detail

Name
stop-em-1

Description - optional
stop employee server 1

Event bus [Info](#)
Custom or partner event bus is not supported when Schedule is selected.
default

☒ Enable the rule on the selected event bus

☒ **EventBridge Scheduler - A new AWS scheduling capability!**
A new EventBridge scheduling functionality that provides one-time and recurring scheduling functionality independent of Event buses and rules. You can create a schedule to invoke targets such as a Lambda function. [Learn More](#)

[Continue in EventBridge Scheduler](#)

[Cancel](#) [Next](#)

Schedule pattern

Schedule pattern
Choose the schedule type that best meets your needs.

☒ A fine-grained schedule that runs at a specific time, such as 8:00 a.m. PST on the first Monday of every month.
☐ A schedule that runs at a regular rate, such as every 10 minutes.

Cron expression [Info](#)
Define the cron expression for the schedule

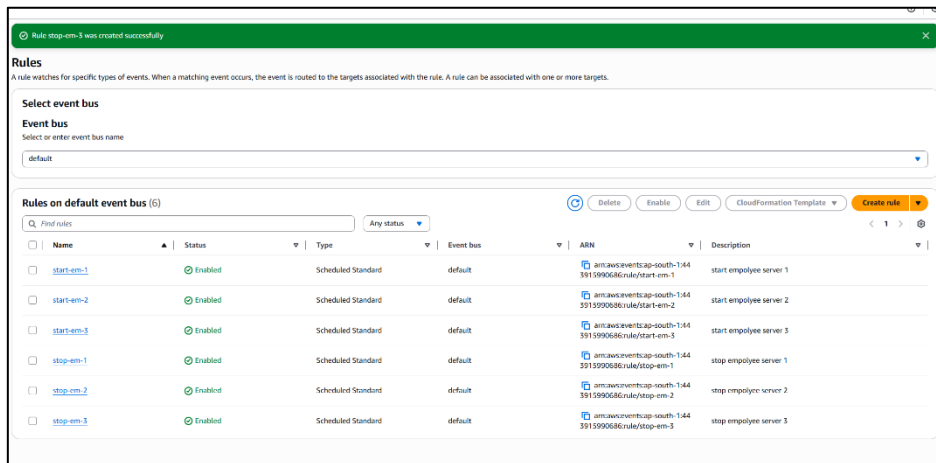
cron (10 10 * * ? * **)**
Minutes Hours Day of month Month Day of week Year

Next 10 trigger date(s)
Local time zone

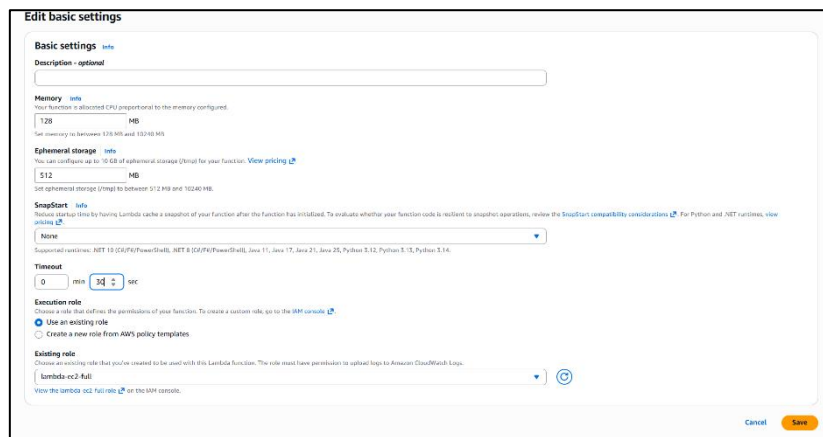
Fri, Dec 19, 2025, 03:40 PM GMT+5:30
Sat, Dec 20, 2025, 03:40 PM GMT+5:30
Sun, Dec 21, 2025, 03:40 PM GMT+5:30
Mon, Dec 22, 2025, 03:40 PM GMT+5:30
Tue, Dec 23, 2025, 03:40 PM GMT+5:30
Wed, Dec 24, 2025, 03:40 PM GMT+5:30
Thu, Dec 25, 2025, 03:40 PM GMT+5:30
Fri, Dec 26, 2025, 03:40 PM GMT+5:30
Sat, Dec 27, 2025, 03:40 PM GMT+5:30
Sun, Dec 28, 2025, 03:40 PM GMT+5:30

Like this, also create start and stop rules for other instances. After this, you have to Associate it with a trigger in a lambda function.

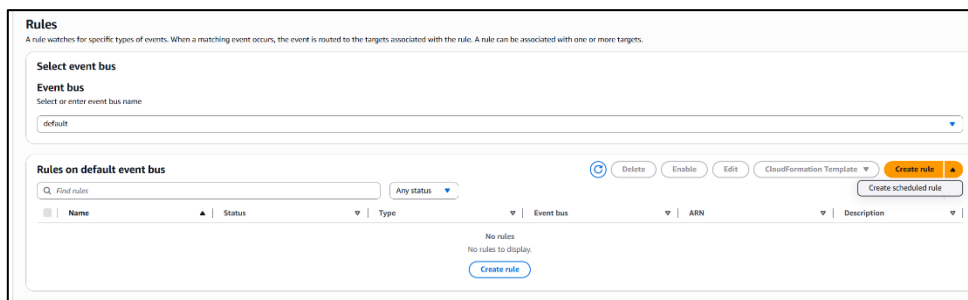
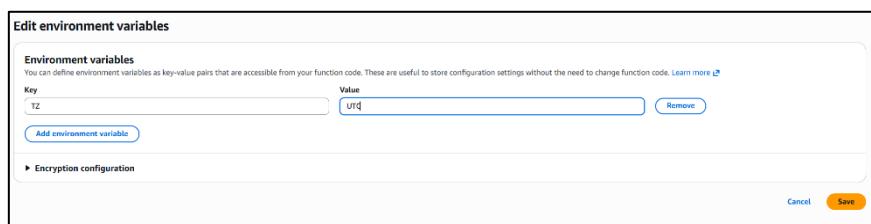
Stop And Start 3 instances by using Lambda Function and EventBridge



Step 14: Now go to the Lambda Function, then go to configure in that first General configuration, change the Timeout from 3 sec to 30 sec, and save it.



Step 15: Now, go to environment variables and add the variable here. **Key – TZ** and **Value – UTC**.



Stop And Start 3 instances by using Lambda Function and EventBridge

Step 16: Now go to Trigger and add the rule you created one by one.

Configuration | Aliases | Versions

Triggers (0) [Info](#)

Search for triggers

Trigger

No triggers
No triggers are configured.

[Add trigger](#)

Trigger configuration [Info](#)

EventBridge (CloudWatch Events)
aws asynchronous schedule management-tools

Rule
Pick an existing rule, or create a new one.
☐ Create a new rule
☒ Existing rules

Existing rules
Pick an existing rule
arn:aws:events:ap-south-1:443915990686:rule/start-em-1

Rule description
start employee server 1

Schedule expression
cron(00 10 * * ? *)

Here, you have to select EventBridge and the existing rule, add select rule start and stop.

Trigger configuration [Info](#)

EventBridge (CloudWatch Events)
aws asynchronous schedule management-tools

Rule
Pick an existing rule, or create a new one.
☐ Create a new rule
☒ Existing rules

Existing rules
Pick an existing rule
arn:aws:events:ap-south-1:443915990686:rule/start-em-1

Rule description
start employee server 1

Schedule expression
cron(00 10 * * ? *)

Trigger configuration [Info](#)

EventBridge (CloudWatch Events)
aws asynchronous schedule management-tools

Rule
Pick an existing rule, or create a new one.
☐ Create a new rule
☒ Existing rules

Existing rules
Pick an existing rule
arn:aws:events:ap-south-1:443915990686:rule/stop-em-1

Rule description
stop employee server 1

Schedule expression
cron(10 10 * * ? *)

Like this, add other rules to trigger the lambda function.

Code | **Test** | **Monitor** | **Configuration** | Aliases | Versions

General configuration
[Triggers](#)
[Permissions](#)
[Destinations](#)
[Function URL](#)
[Environment variables](#)
[Tags](#)
[VPC](#)
[RDS databases](#)
[Monitoring and operations tools](#)
[Concurrency and recursion detection](#)
[Asynchronous invocation](#)
[Code signing](#)
[File systems](#)
[State machines](#)

Triggers (6) [Info](#)

Search for triggers

Trigger

EventBridge (CloudWatch Events): start-em-1
arn:aws:events:ap-south-1:443915990686:rule/start-em-1
Rule state: ENABLED
Details

EventBridge (CloudWatch Events): start-em-2
arn:aws:events:ap-south-1:443915990686:rule/start-em-2
Rule state: ENABLED
Details

EventBridge (CloudWatch Events): start-em-3
arn:aws:events:ap-south-1:443915990686:rule/start-em-3
Rule state: ENABLED
Details

EventBridge (CloudWatch Events): stop-em-1
arn:aws:events:ap-south-1:443915990686:rule/stop-em-1
Rule state: ENABLED
Details

EventBridge (CloudWatch Events): stop-em-2
arn:aws:events:ap-south-1:443915990686:rule/stop-em-2
Rule state: ENABLED
Details

EventBridge (CloudWatch Events): stop-em-3
arn:aws:events:ap-south-1:443915990686:rule/stop-em-3
Rule state: ENABLED
Details

Stop And Start 3 instances by using Lambda Function and EventBridge

Now you can see our instances are stop.

| Instances (3) Info | | | | | | | |
|---|------------------------|---------------------|---|-----------------|--------------|-------------------------------|-------------------|
| <input type="text" value="Find Instance by attribute or tag (case-sensitive)"/> | | | | All states ▾ | | | |
| <input type="checkbox"/> | Name 🔗 | Instance ID | Instance state ▾ | Instance type ▾ | Status check | Alarm status | Availability Zone |
| <input type="checkbox"/> | empolyee-1 | i-0d9f1b09689b9dab8 | ⏸ Stopped 🔍 🔍 | t3.micro | – | View alarms + | ap-south-1b |
| <input type="checkbox"/> | empolyee-2 | i-0adb499397cb7e40a | ⏸ Stopped 🔍 🔍 | t3.micro | – | View alarms + | ap-south-1b |
| <input type="checkbox"/> | empolyee-3 | i-0a8e3f905f53ff428 | ⏸ Stopped 🔍 🔍 | t3.micro | – | View alarms + | ap-south-1b |

And then in some time instance, second in the running state.

| Instances (3) Info | | | | | | | |
|---|------------------------|---------------------|---|---|----------------|-------------------------------|--|
| <input type="text" value="Find Instance by attribute or tag (case-sensitive)"/> | | | | All states ▾ | | | |
| | | | | Last updated less than a minute ago 🔄 Connect Insta | | | |
| <input type="checkbox"/> | Name 🔗 | Instance ID | Instance state ▾ | Instance type ▾ | Status check | Alarm status | |
| <input type="checkbox"/> | empolyee-1 | i-0d9f1b09689b9dab8 | ⏸ Stopped 🔍 🔍 | t3.micro | – | View alarms + | |
| <input type="checkbox"/> | empolyee-2 | i-0adb499397cb7e40a | 🟢 Running 🔍 🔍 | t3.micro | ⌚ Initializing | View alarms + | |
| <input type="checkbox"/> | empolyee-3 | i-0a8e3f905f53ff428 | ⏸ Stopped 🔍 🔍 | t3.micro | – | View alarms + | |