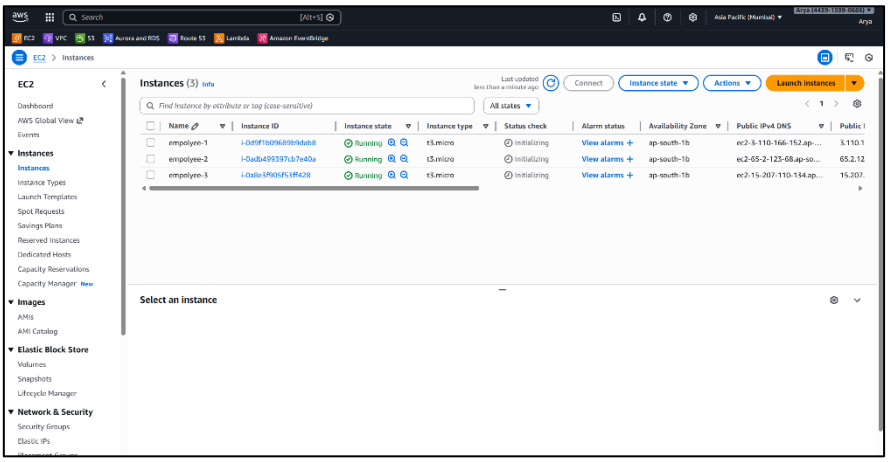
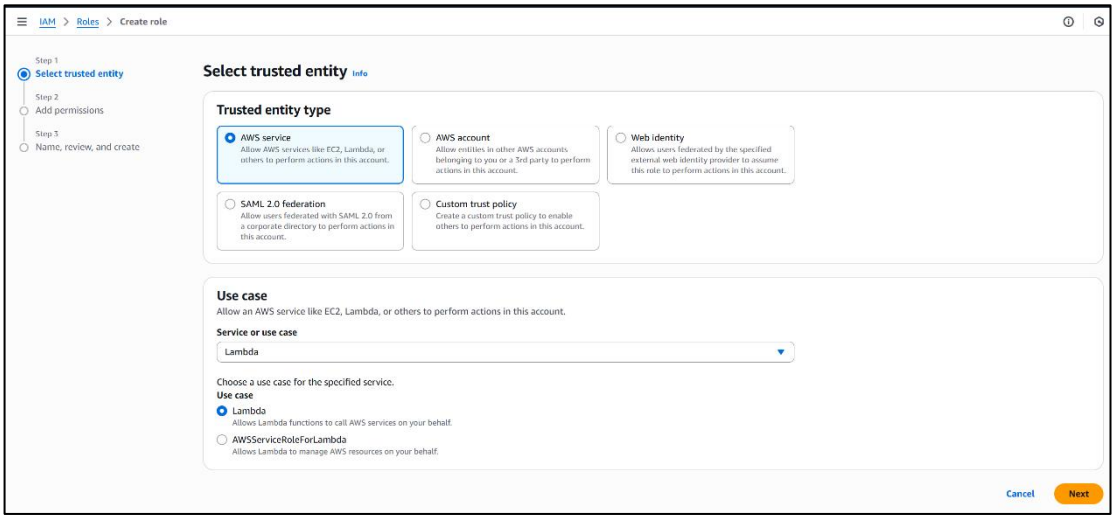
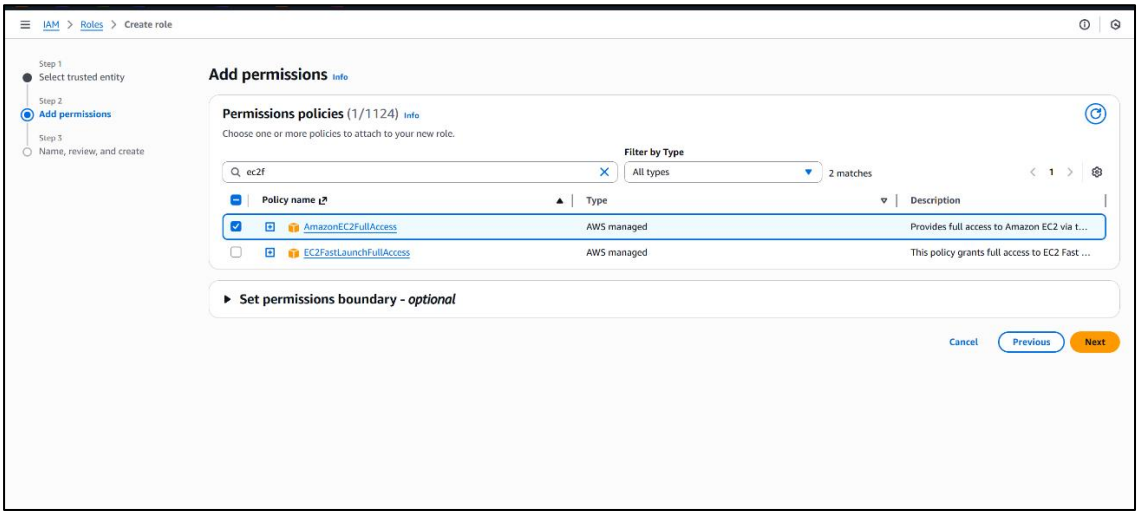
Stop And Start 3 instances by using Lambda Function and EventBridge

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).





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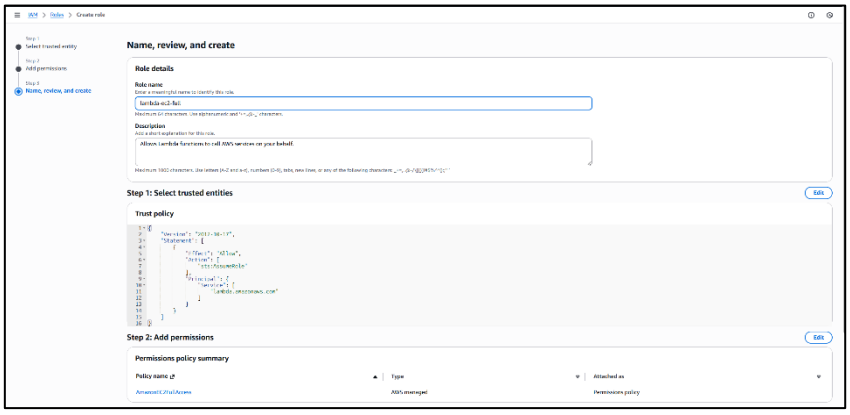
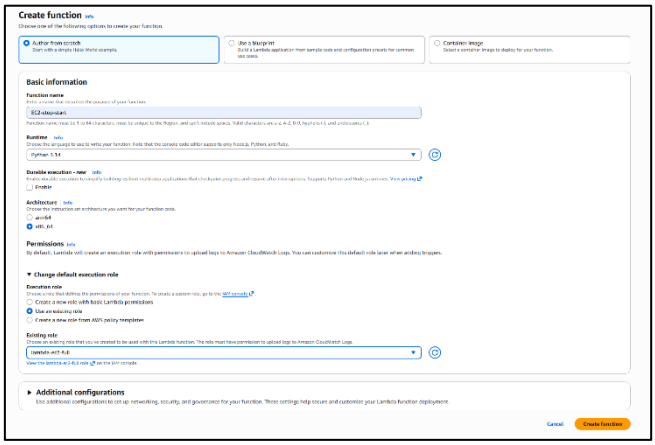
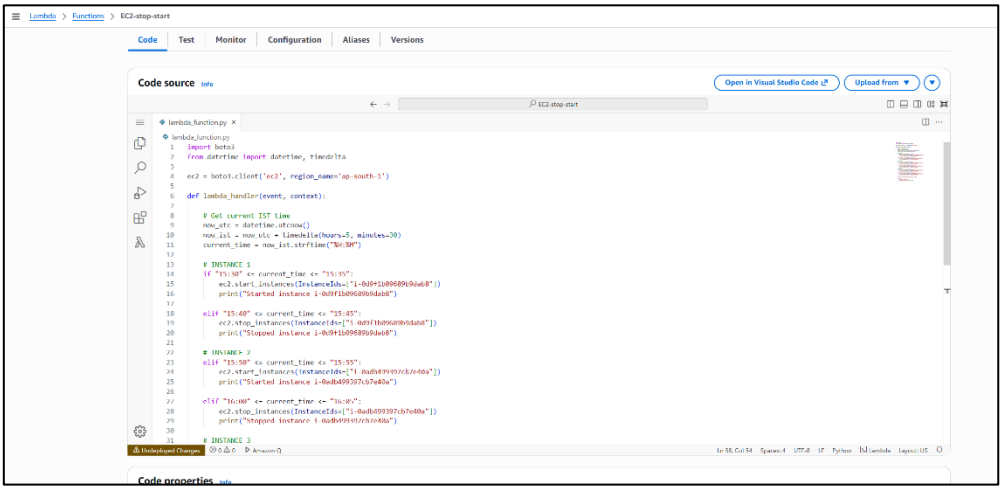


Step 3: After creating a role, create a Lambda function.



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.



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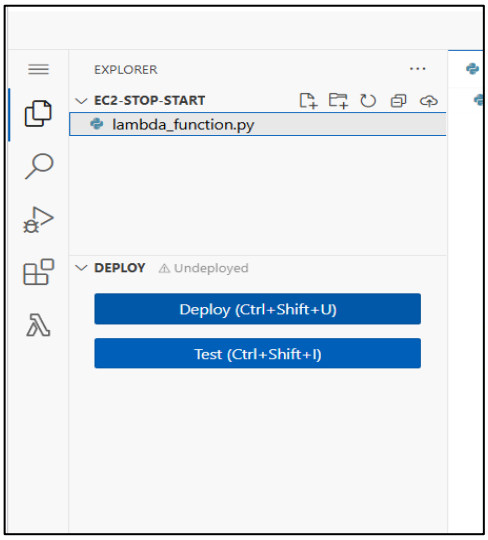
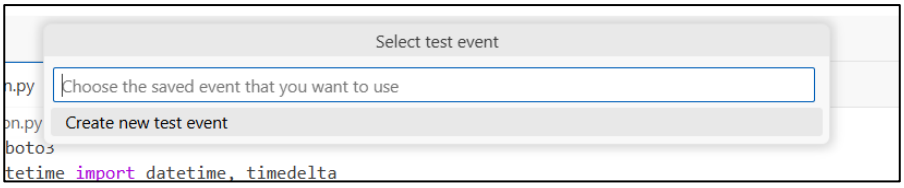
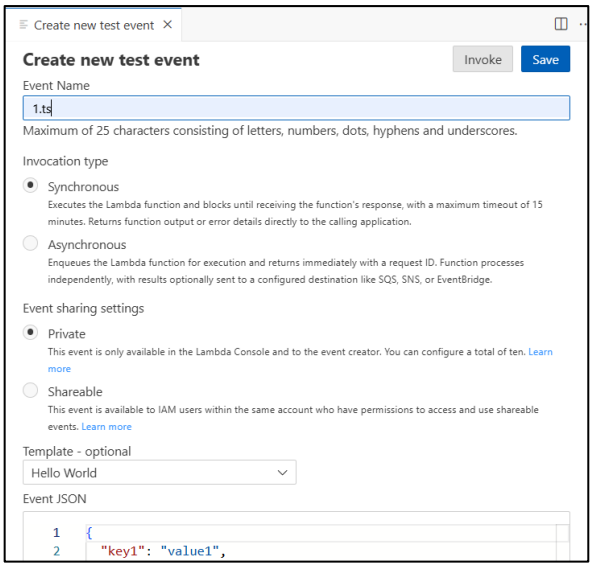
Step 5: After the changes, click on deploy the code to save it and click on test to create a test to run the code.



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

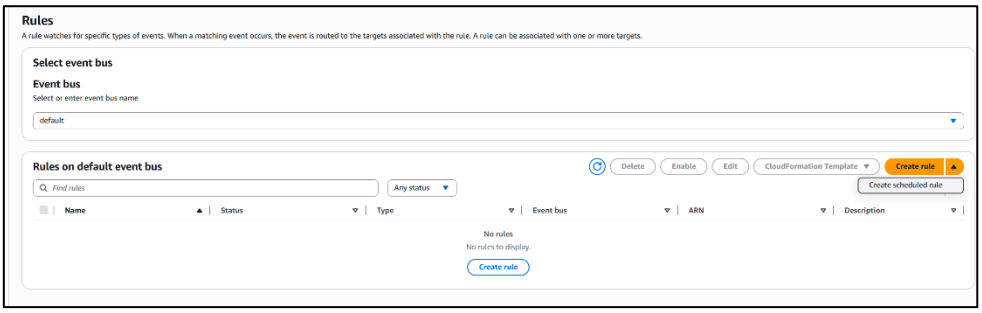


Step 7: Give the name to the Test event and save to only.

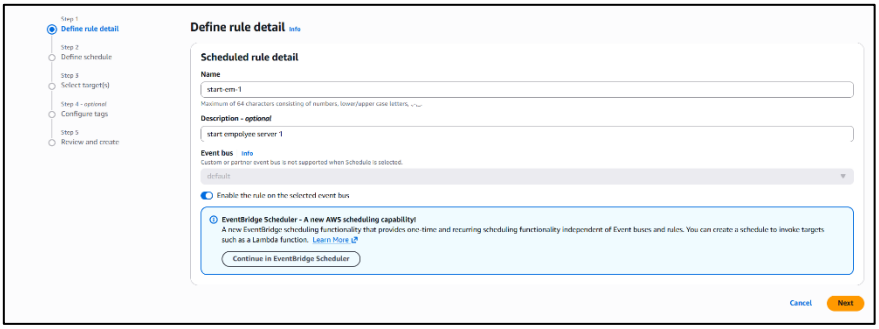


Step 8: Now go to Event Bridge, in that Bus got rule and create a scheduled rule.

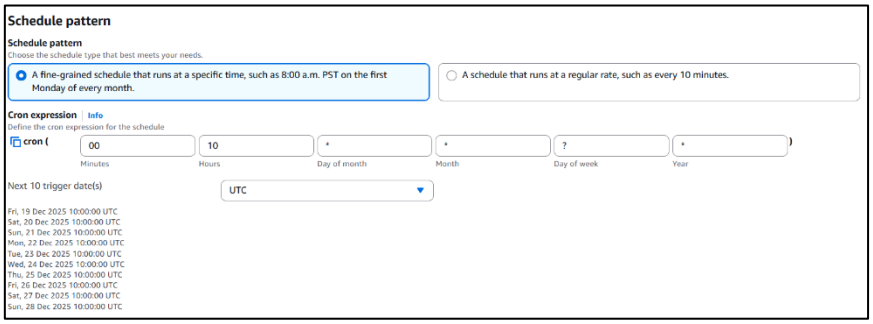
Stop And Start 3 instances by using Lambda Function and EventBridge



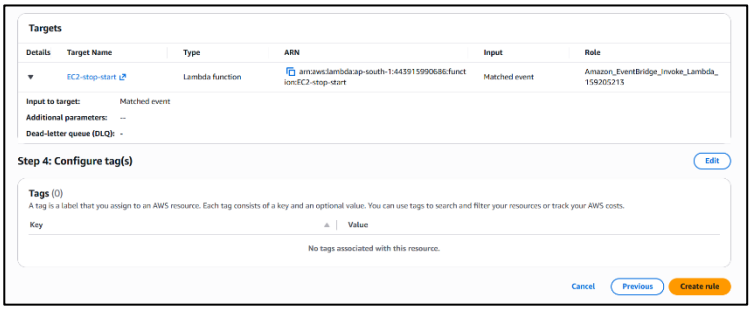
Step 9: In this give a name to the rule – we create a start rule, for instance and click next.



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.



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.



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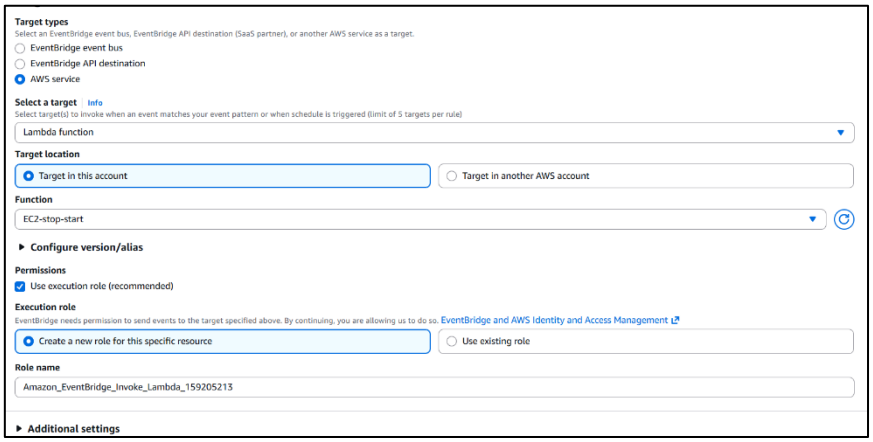
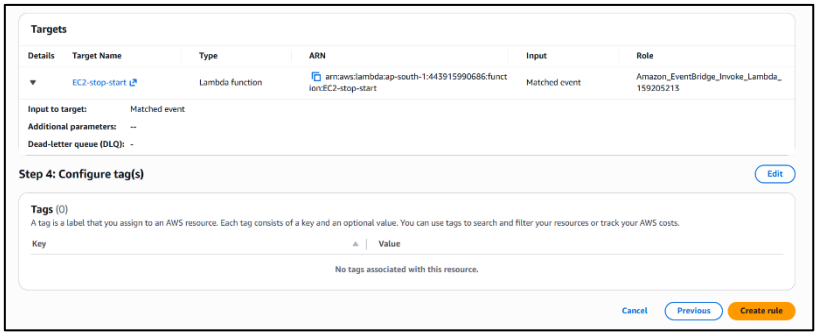
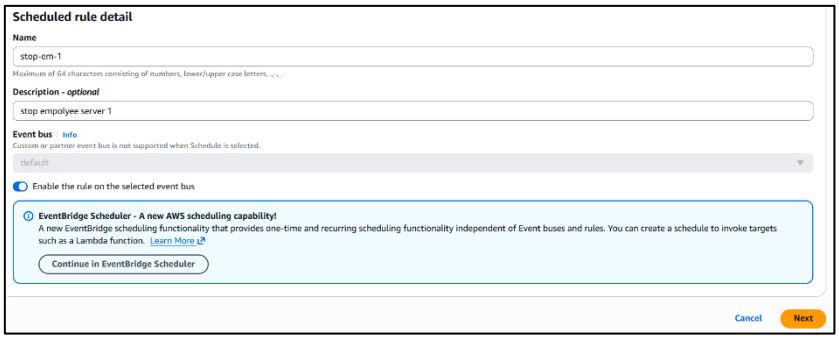
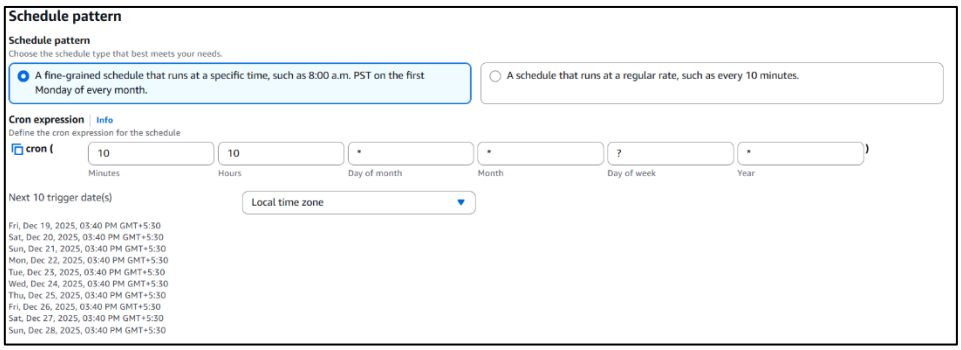


Step 12: Now, create a rule.



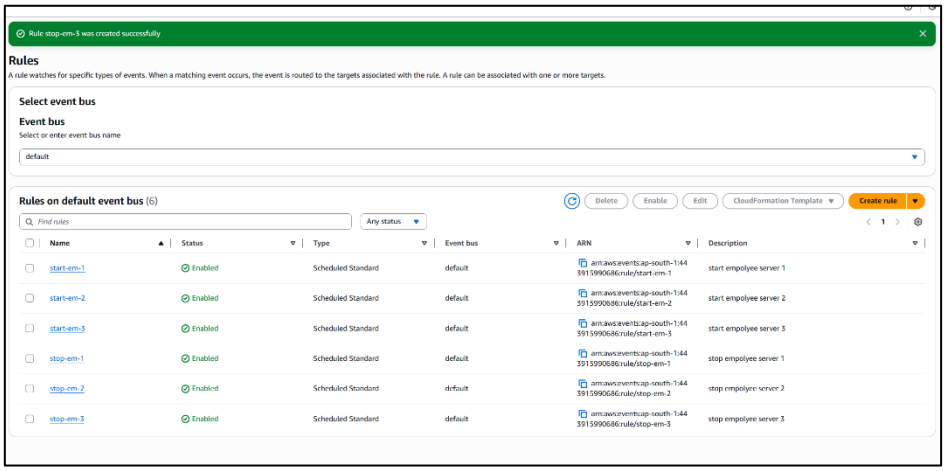
Step 13: Now, also create a rule to stop instances with time.



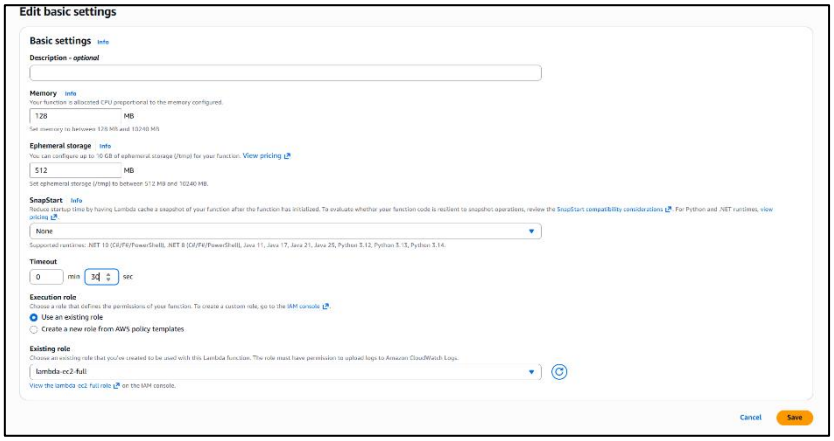


Like this, also create start and stop rules for other instances. After this, you have to Associate it with a trigger in a lambda function.

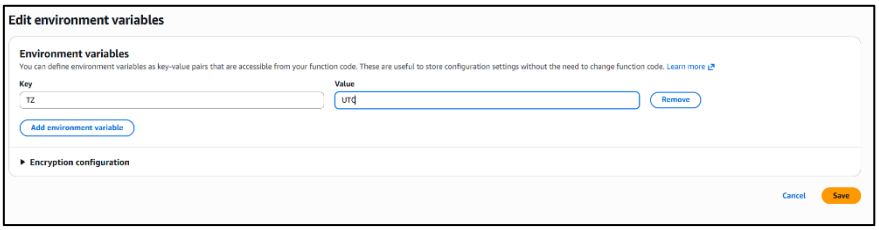
Stop And Start 3 instances by using Lambda Function and EventBridge

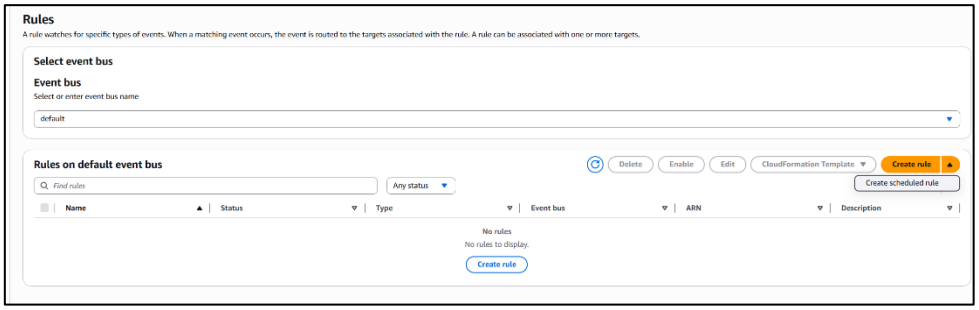


Step 14: Now go to the Lambda Function, then go to configure in that first General configuration, change the Timeout from 3 sec to 30 sec, and save it.



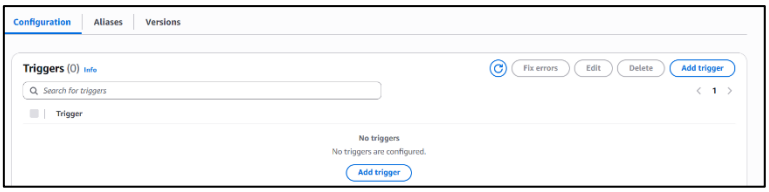
Step 15: Now, go to environment variables and add the variable here. **Key – TZ and Value – UTC**.





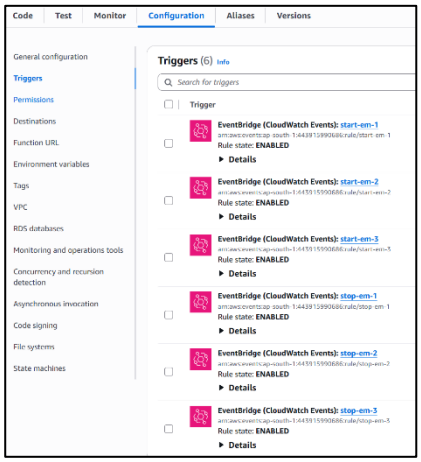
Stop And Start 3 instances by using Lambda Function and EventBridge

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



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

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



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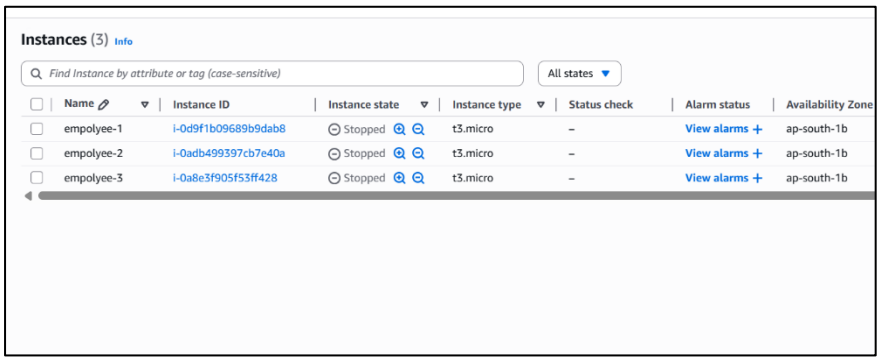
Now you can see our instances are stop.



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