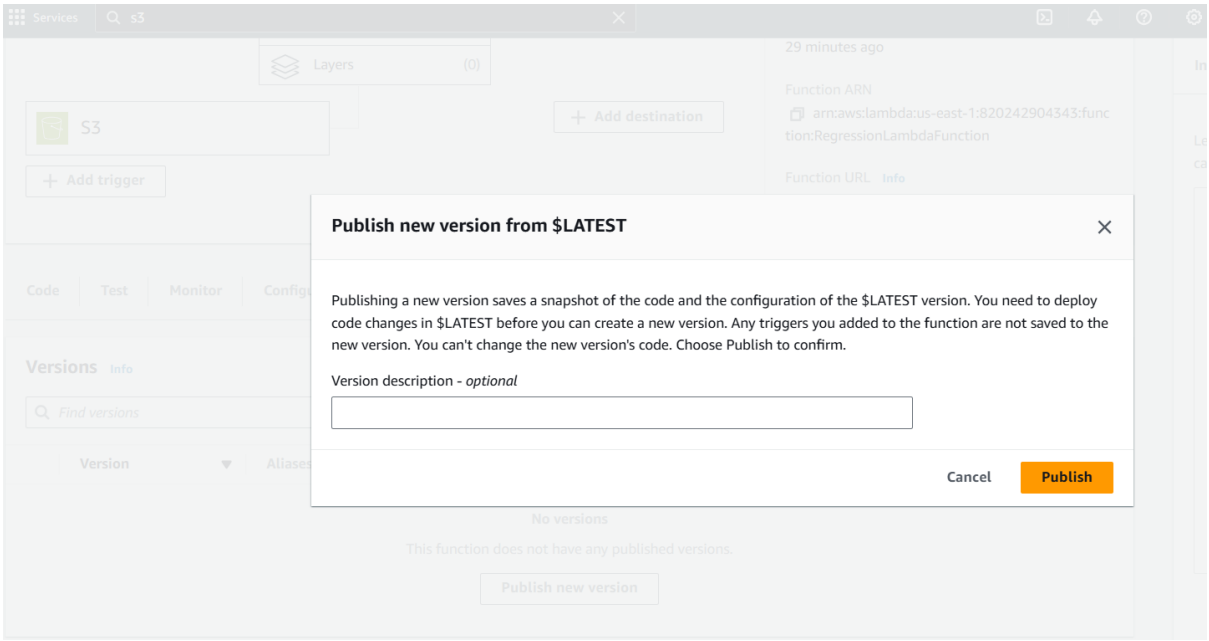
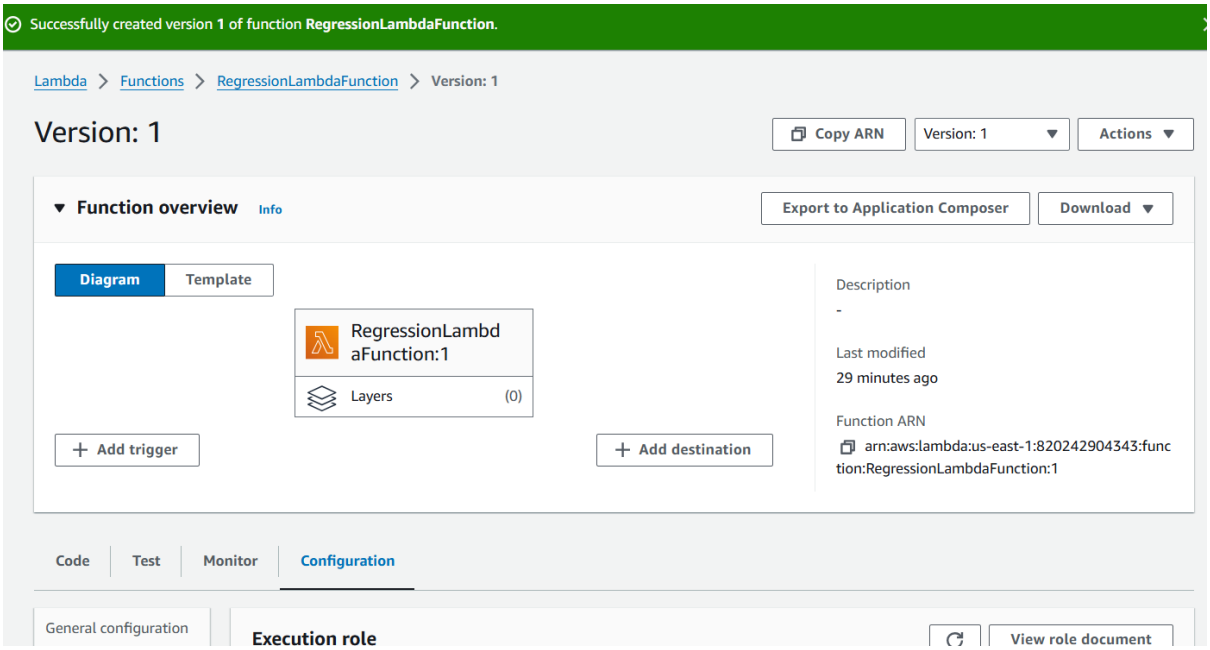
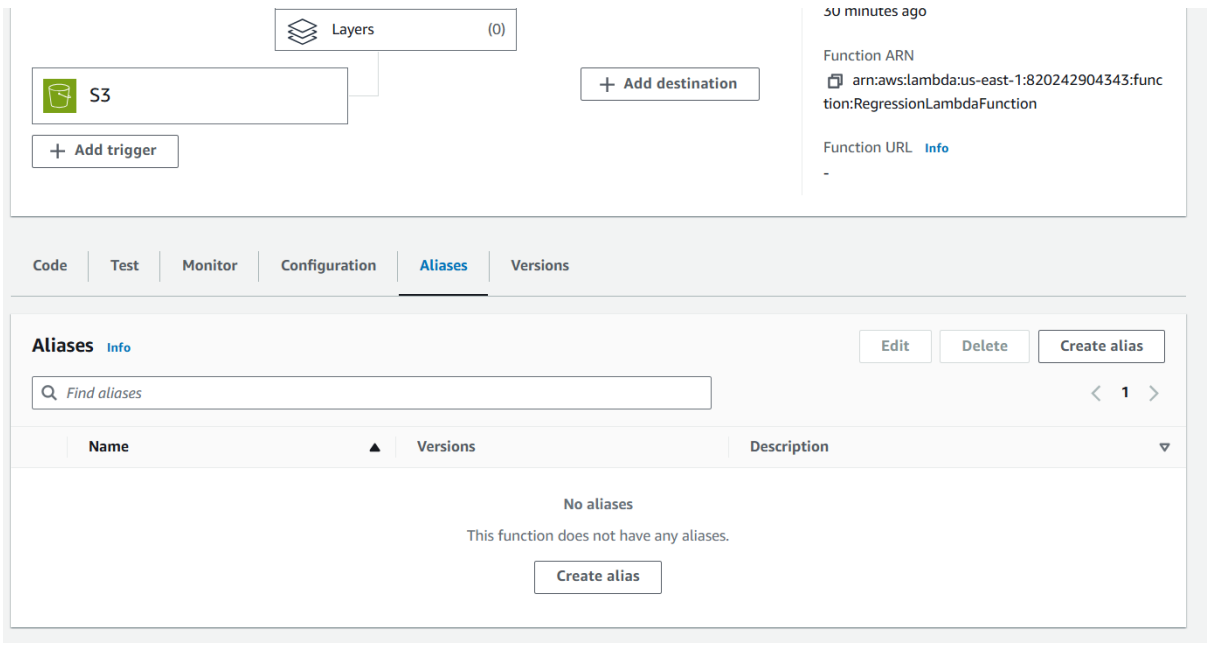
1. Create a version for existing code which prints regression co-relation with 200 success

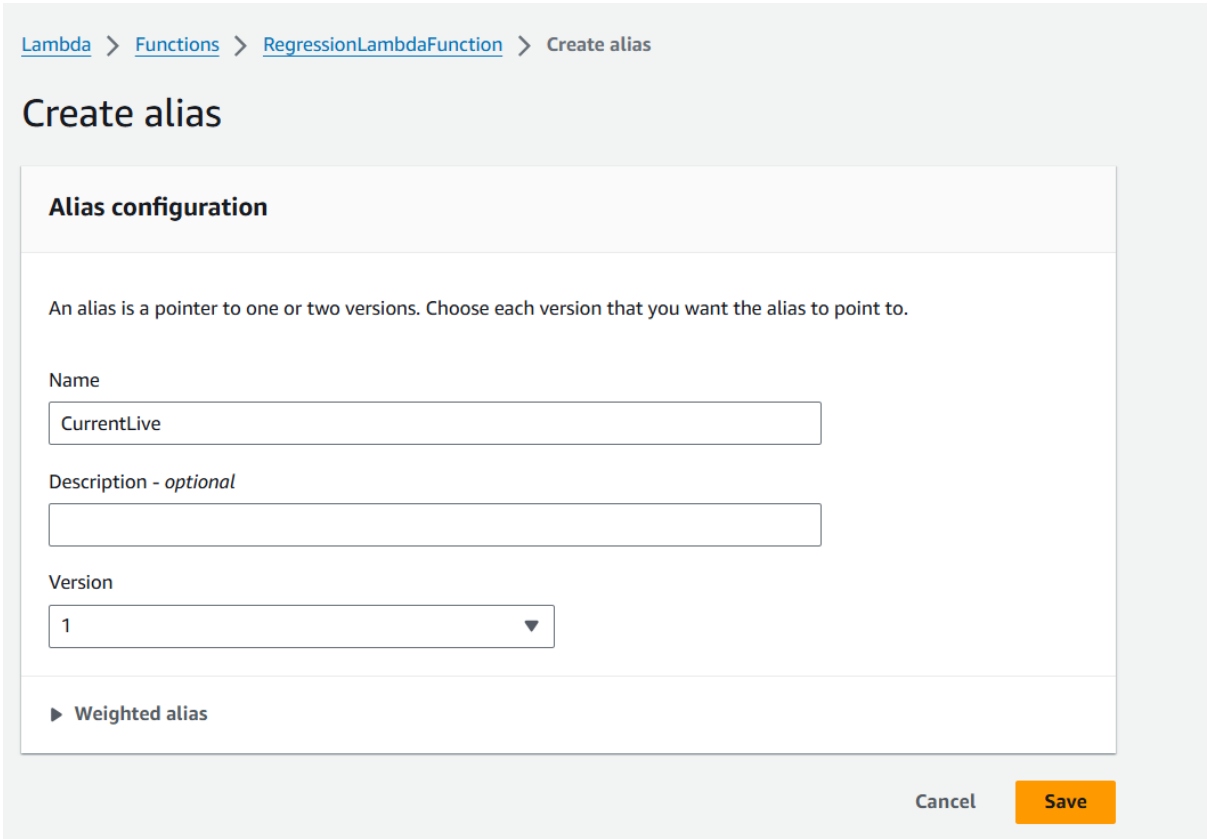


2. Version 1 is created with success

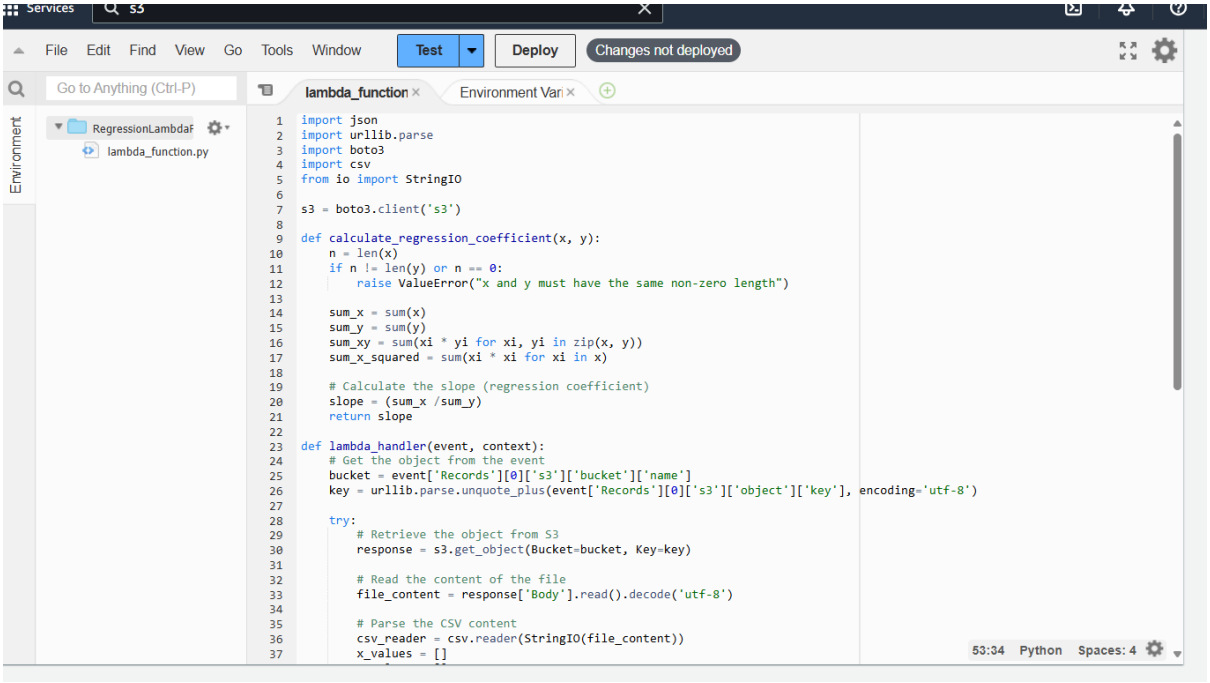


3. Creating alias for version 1

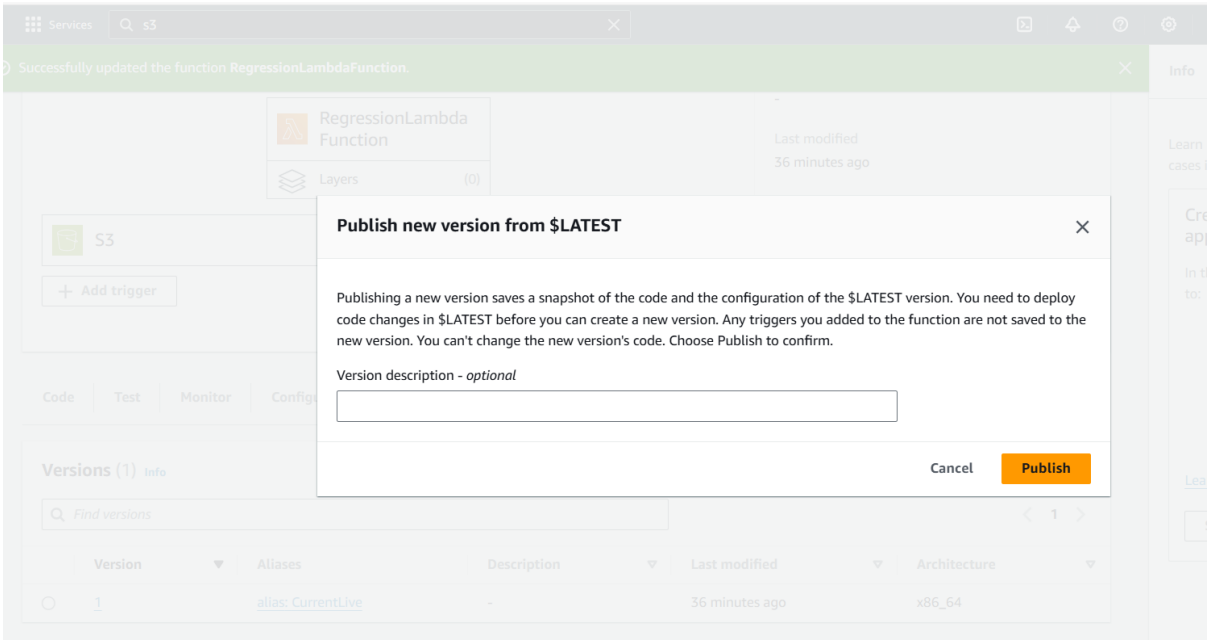


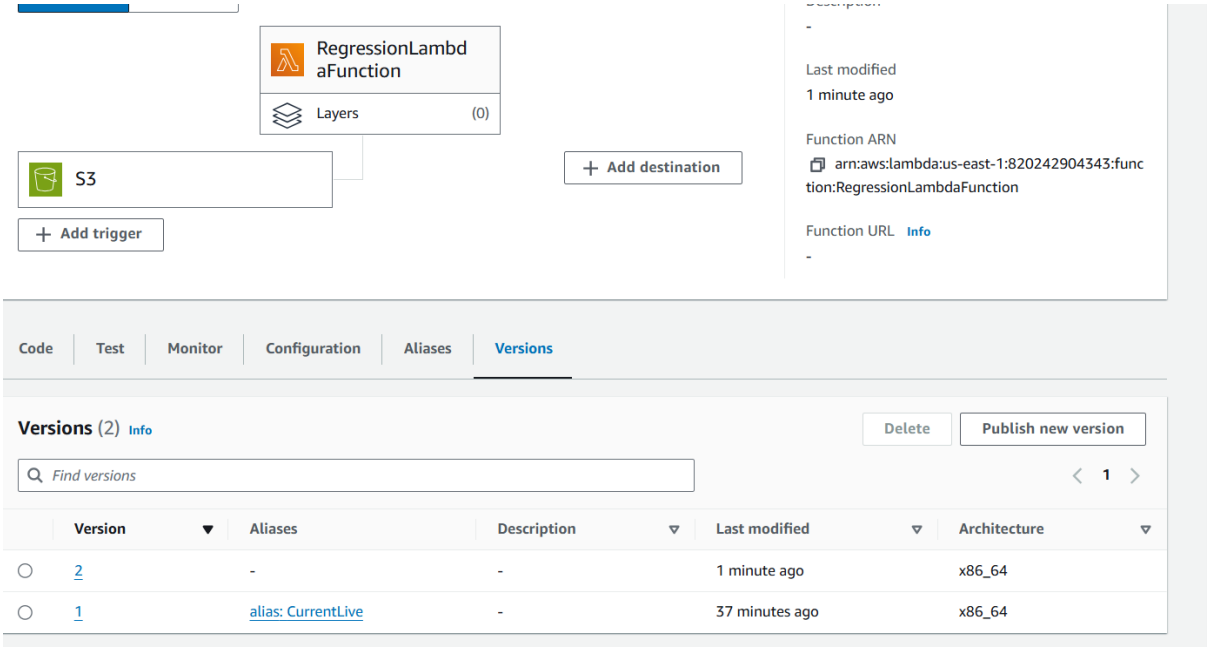


4. Create another version of code with wrong logic and different logs

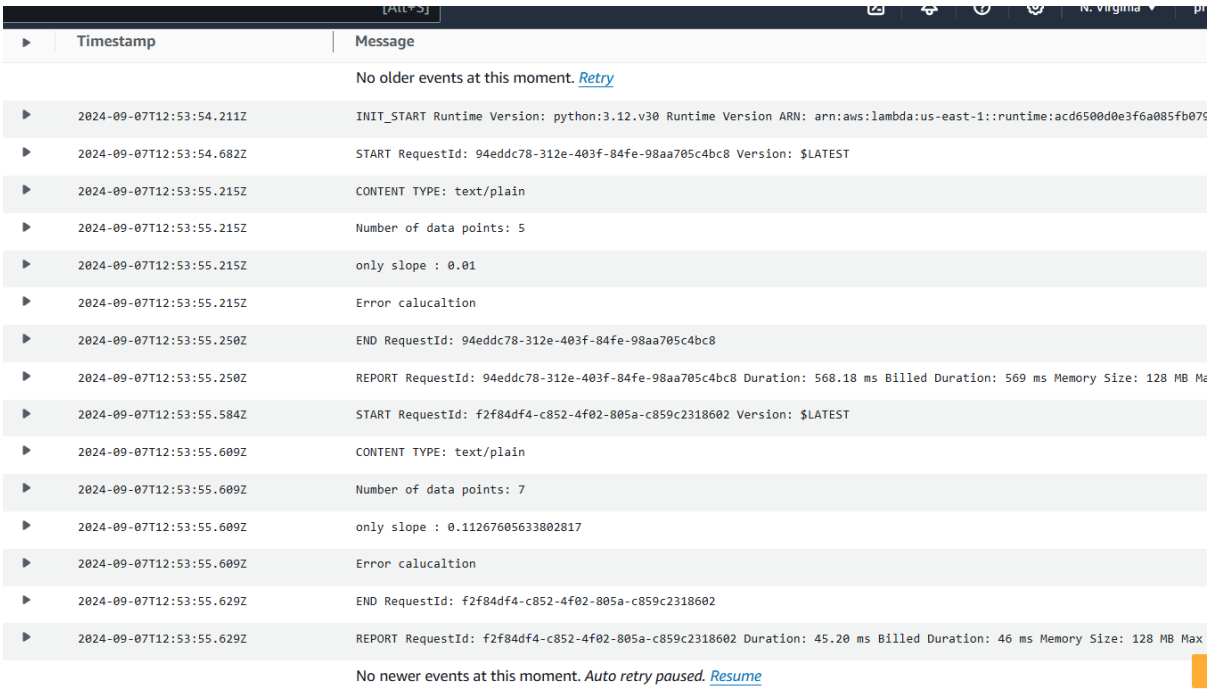


5. Publish the new version with 2 to $LATEST

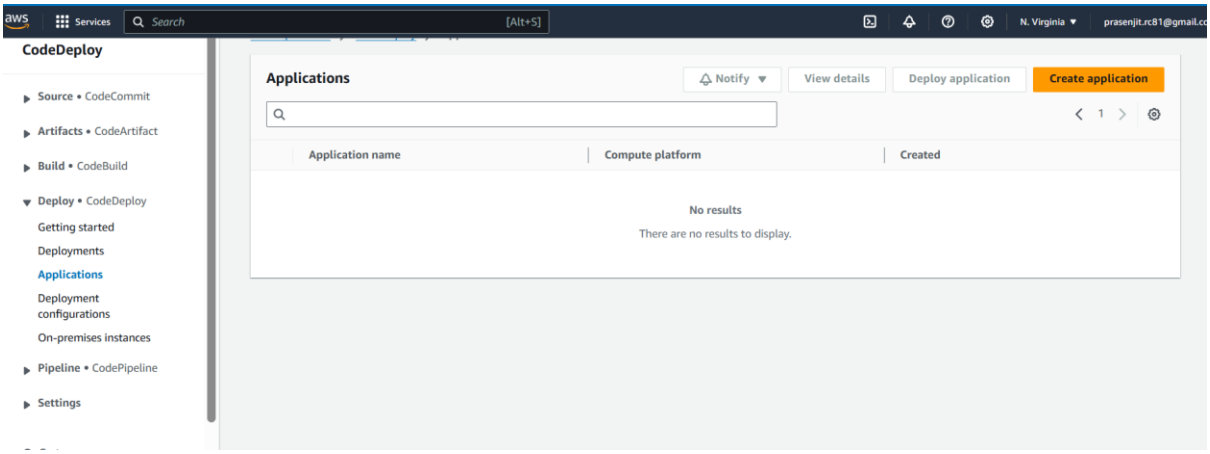




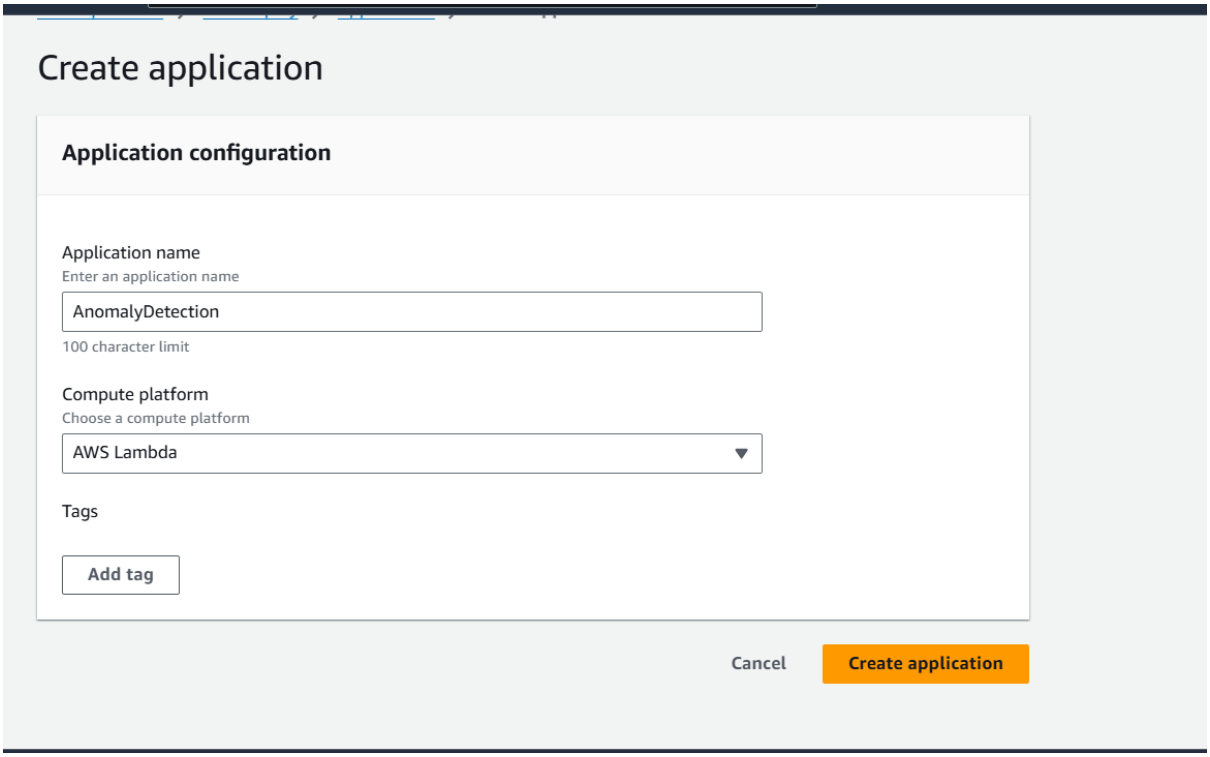
6. Now the Cloudwatch log showing wrong version of code deployed



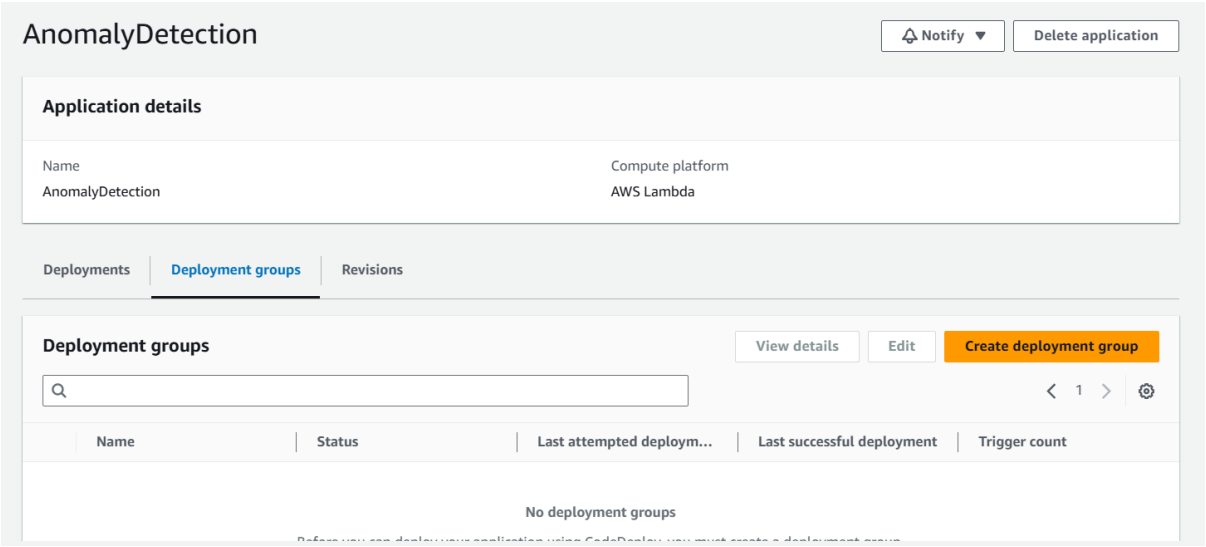
7. CodeDeploy create an application



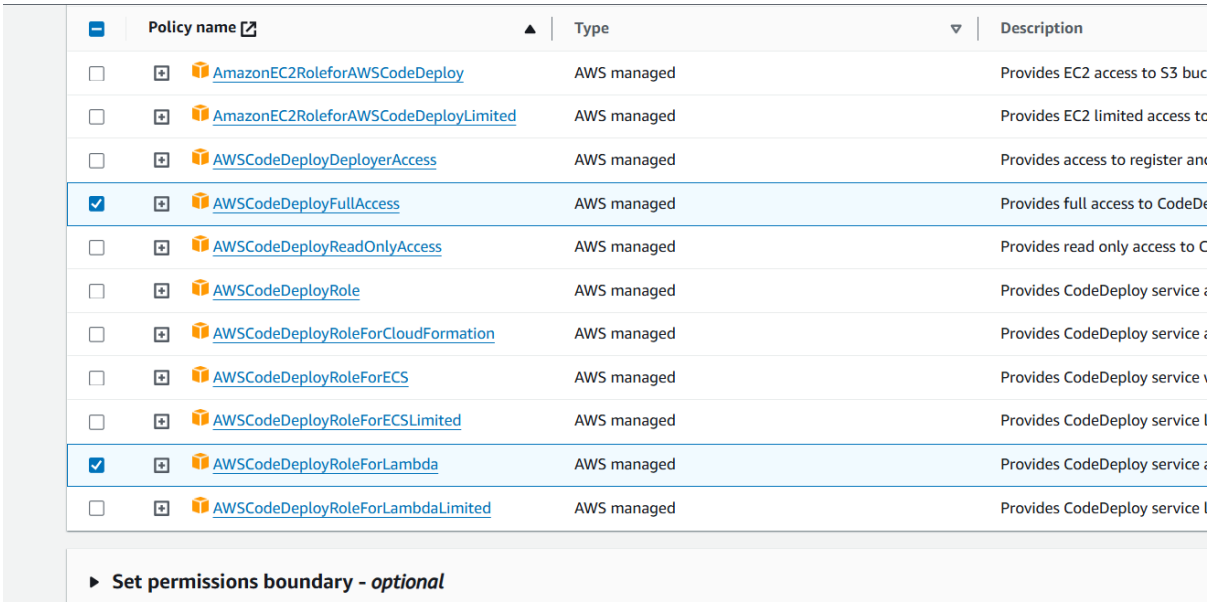
8. Create application

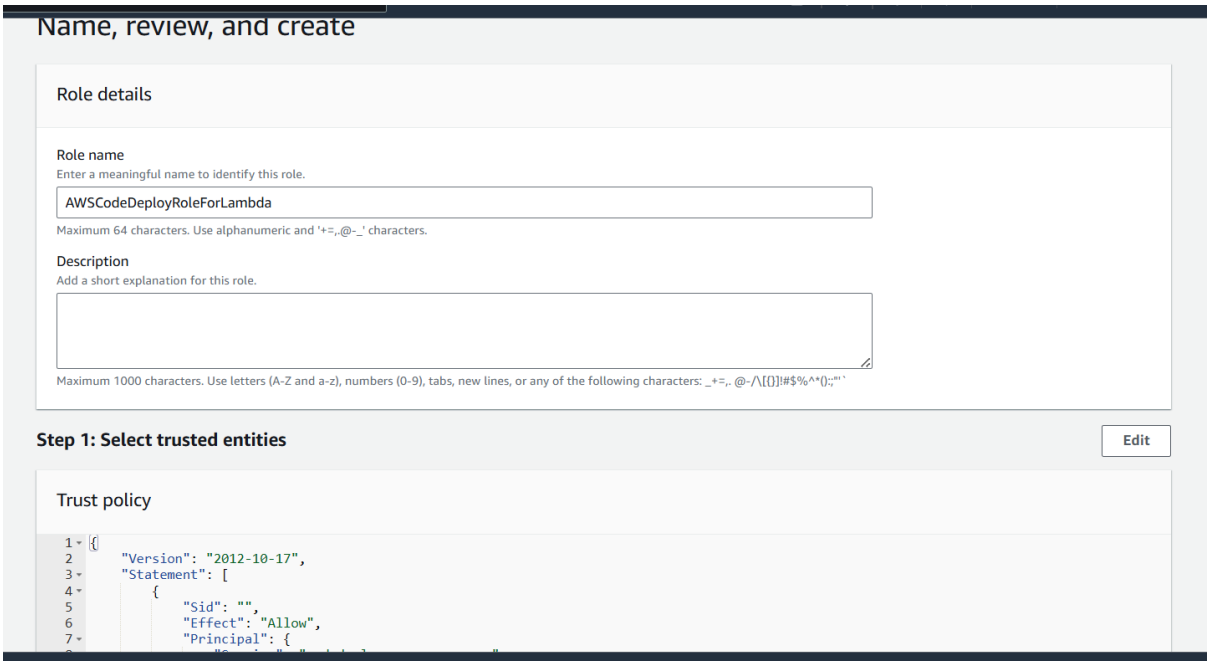


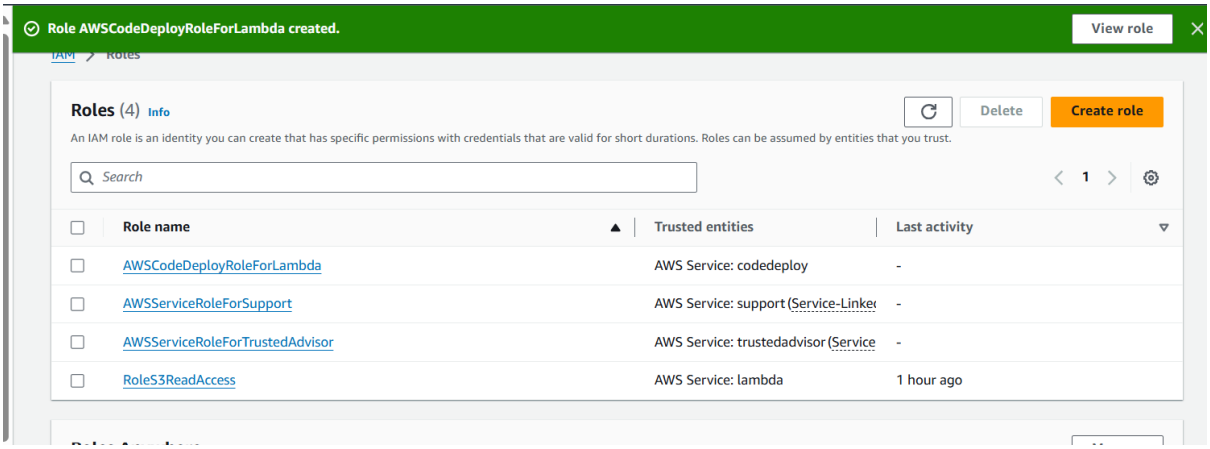
9. Create deployment group



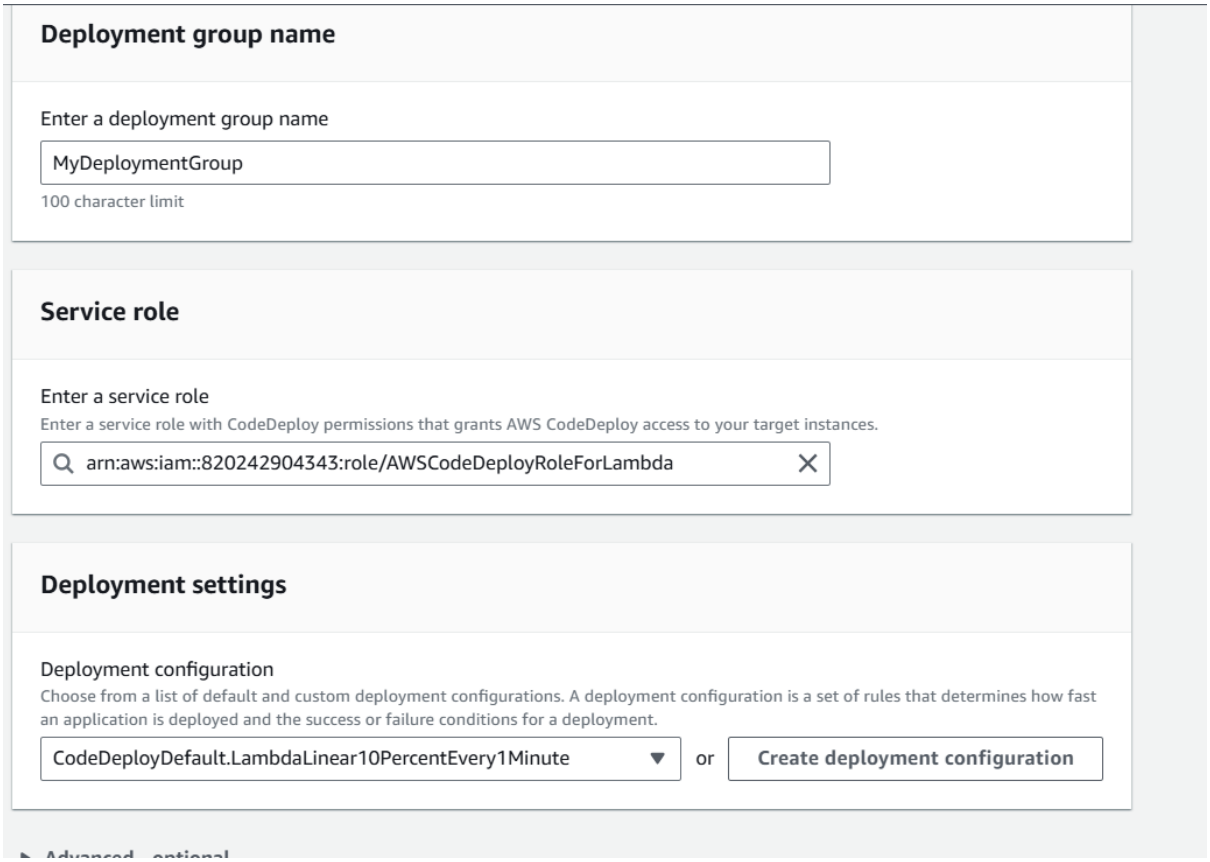
10. Create a custom trust policy


Policy name
Type
Description
AmazonEC2RoleforAWSCodeDeploy
AWS managed
Provides EC2 access to S3 buc
AmazonEC2RoleforAWSCodeDeployLimited
AWS managed
Provides EC2 limited access to
AWSCodeDeployDeployerAccess
AWS managed
Provides access to register an
AWSCodeDeployFullAccess
AWS managed
Provides full access to CodeDe
AWSCodeDeployReadOnlyAccess
AWS managed
Provides read only access to C
AWSCodeDeployRole
AWS managed
Provides CodeDeploy service
AWSCodeDeployRoleForCloudFormation
AWS managed
Provides CodeDeploy service
AWSCodeDeployRoleForECS
AWS managed
Provides CodeDeploy service
AWSCodeDeployRoleForECSLimited
AWS managed
Provides CodeDeploy service
AWSCodeDeployRoleForLambda
AWS managed
Provides CodeDeploy service
AWSCodeDeployRoleForLambdaLimited
AWS managed
Provides CodeDeploy service
Set permissions boundary - optional

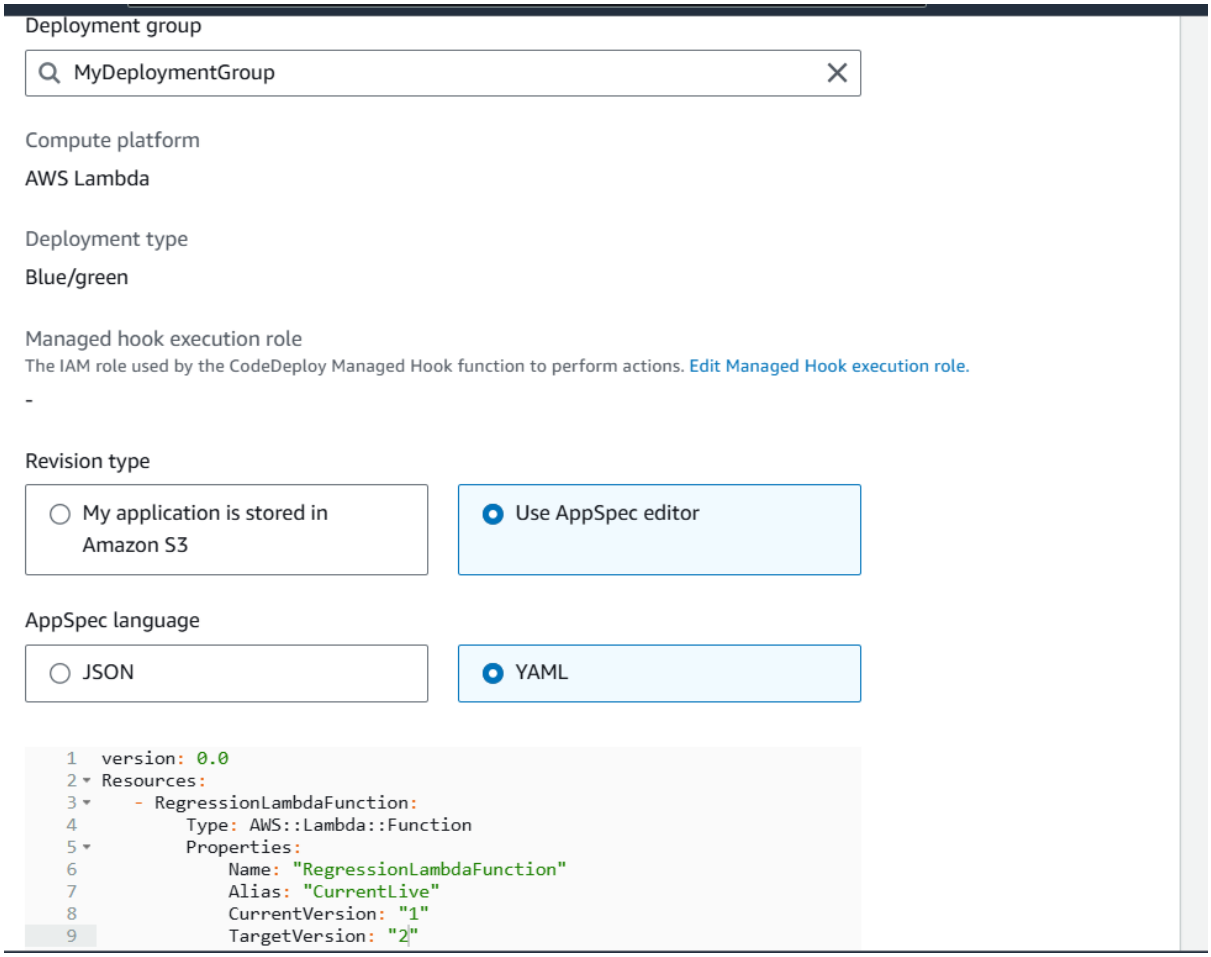

Name, review, and create
Role details
Role name
Enter a meaningful name to identify this role.
AWSCodeDeployRoleForLambda
Maximum 64 characters. Use alphanumeric and '+=,.@-_' characters.
Description
Add a short explanation for this role.
Maximum 1000 characters. Use letters (A-Z and a-z), numbers (0-9), tabs, new lines, or any of the following characters: _+=,. @-/\[{}]!#$%^*();;"'`
Step 1: Select trusted entities
Edit
Trust policy
{
"Version": "2012-10-17",
"Statement": [
{
"Sid": "",
"Effect": "Allow",
"Principal": {


Role AWSCodeDeployRoleForLambda created.
View role
IAM
Roles
Roles (4) Info
Delete
Create role
An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assumed by entities that you trust.
Search
1
Role name
Trusted entities
Last activity
AWSCodeDeployRoleForLambda
AWS Service: codedeploy
-
AWSServiceRoleForSupport
AWS Service: support (Service-Linke
-
AWSServiceRoleForTrustedAdvisor
AWS Service: trustedadvisor (Service
-
RoleS3ReadAccess
AWS Service: lambda
1 hour ago

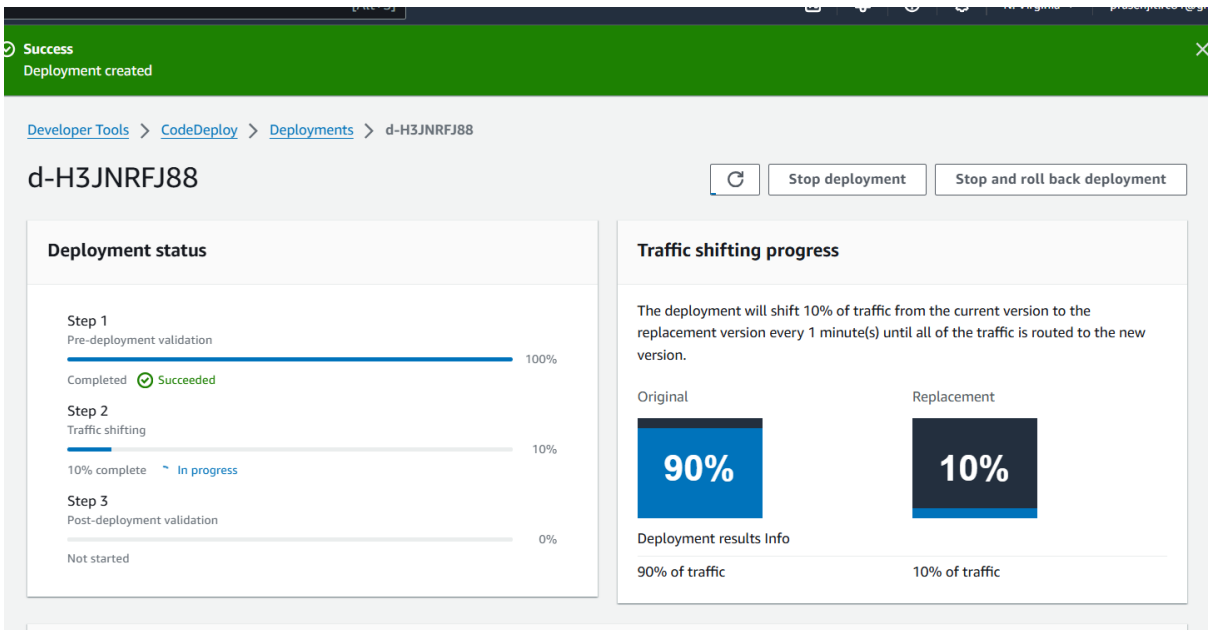
11. Create Deployment Group



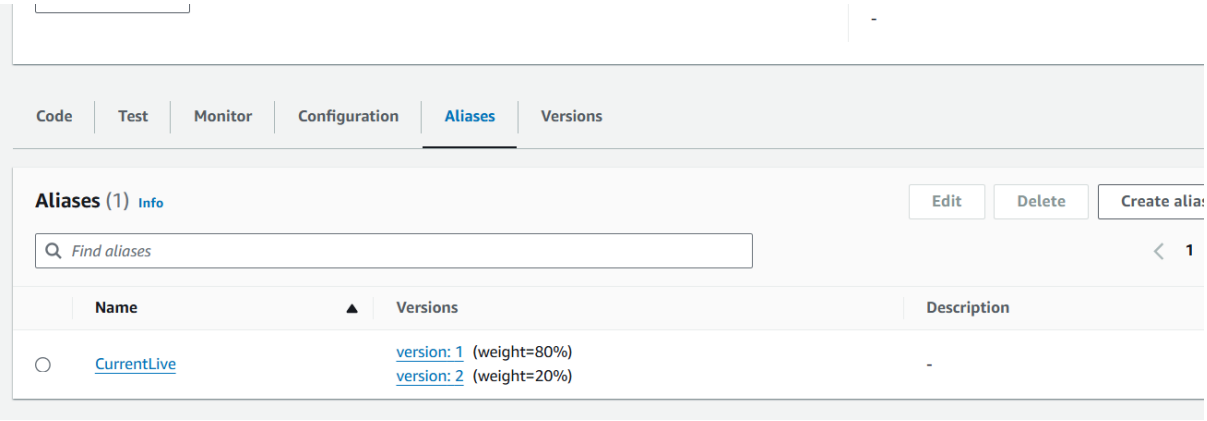
12. Create deployment for lambda



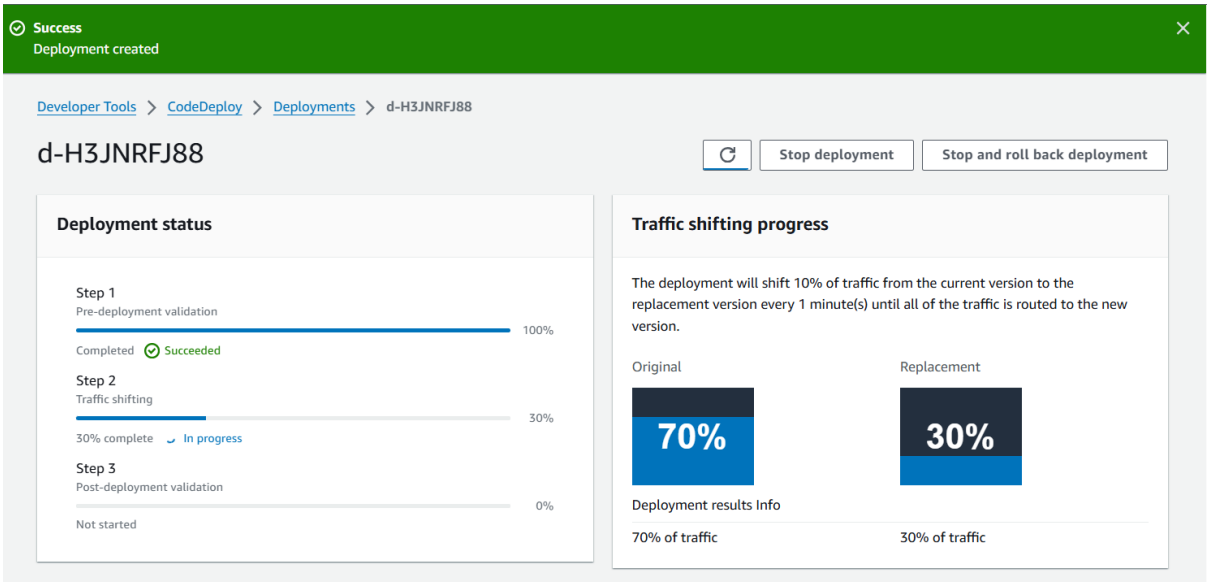
13. After deployment

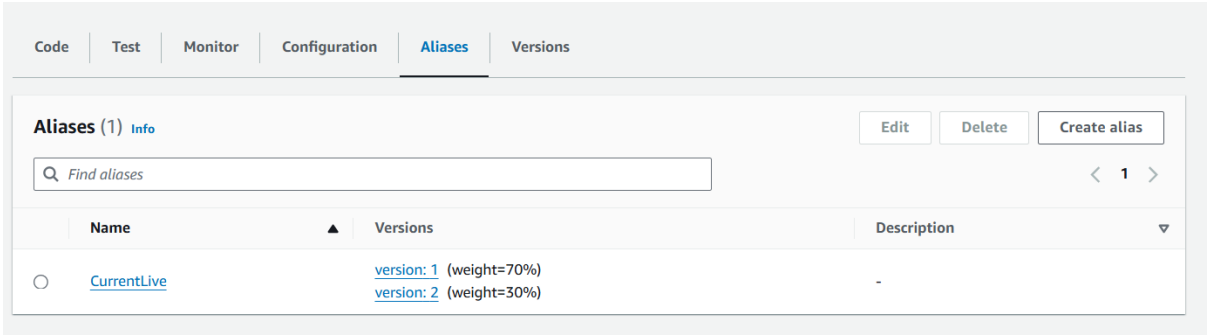


Weightage change in lambda

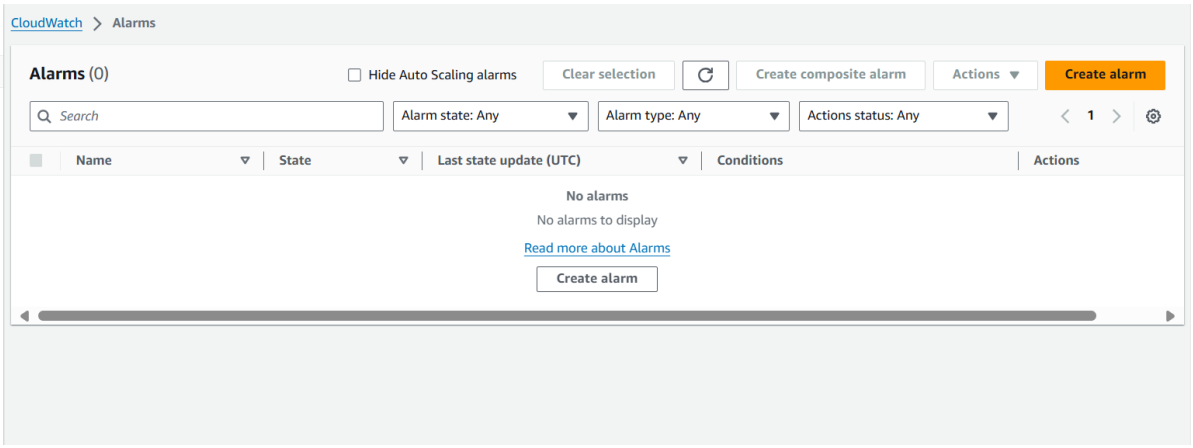


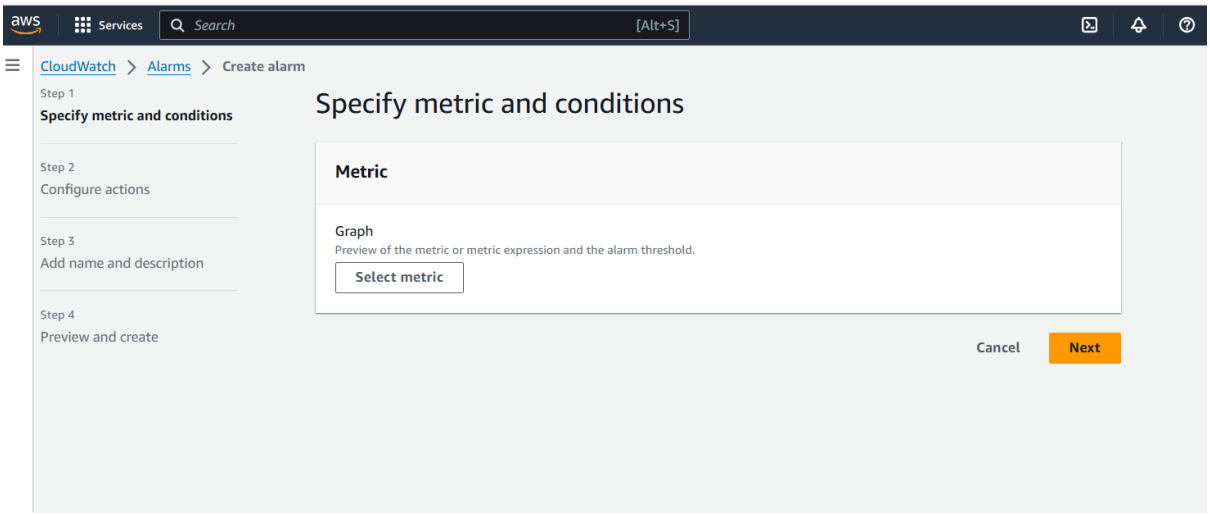
14. Linear deployment going on

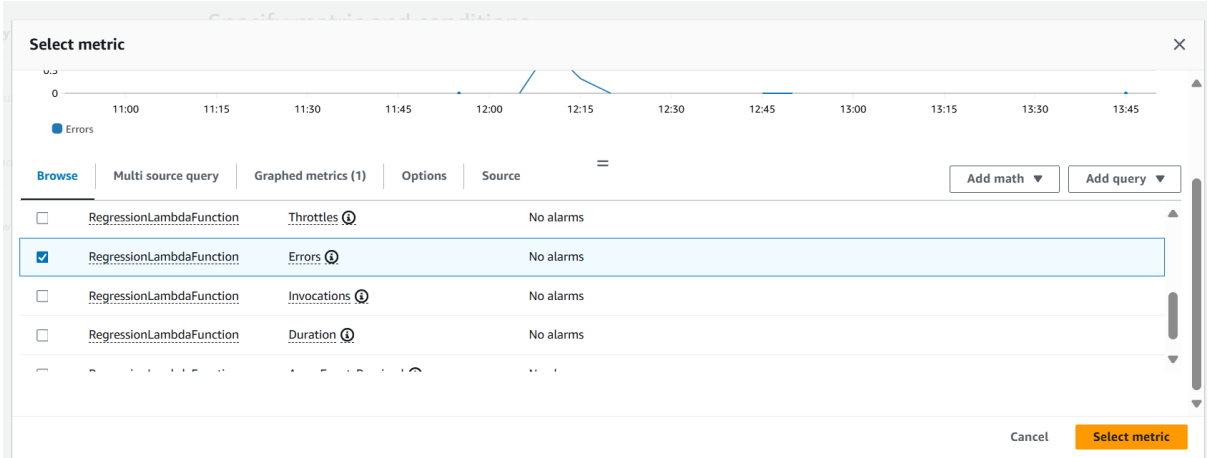


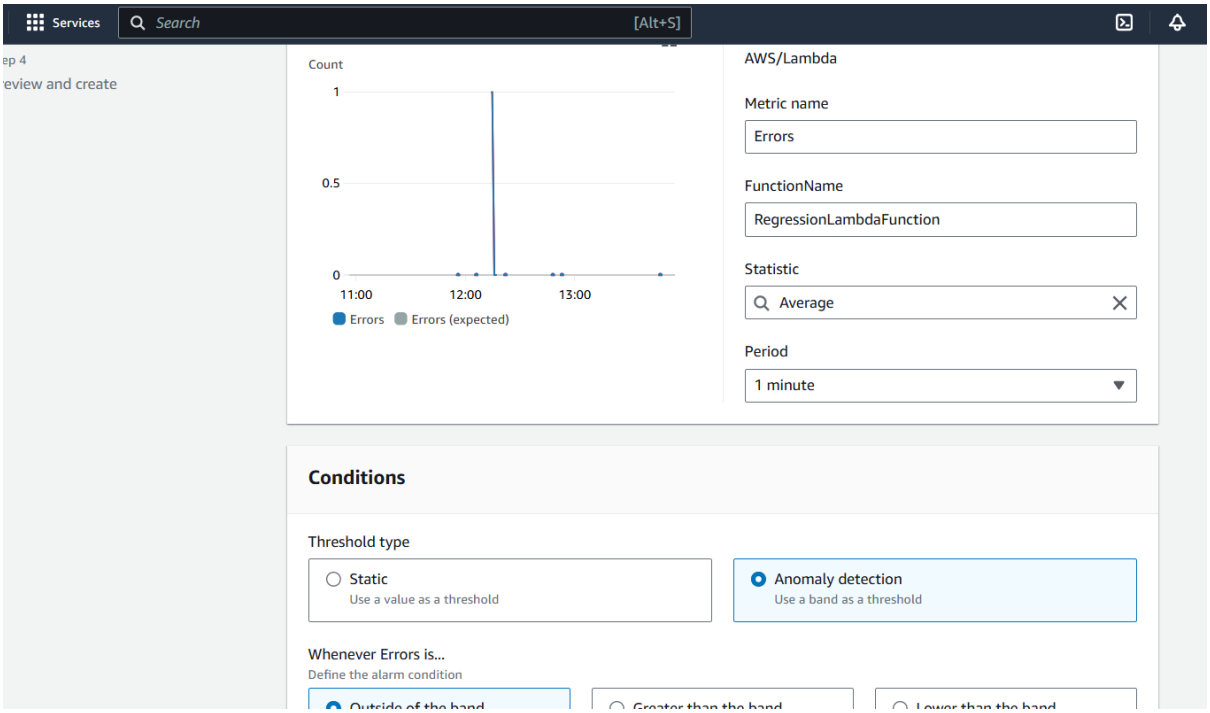


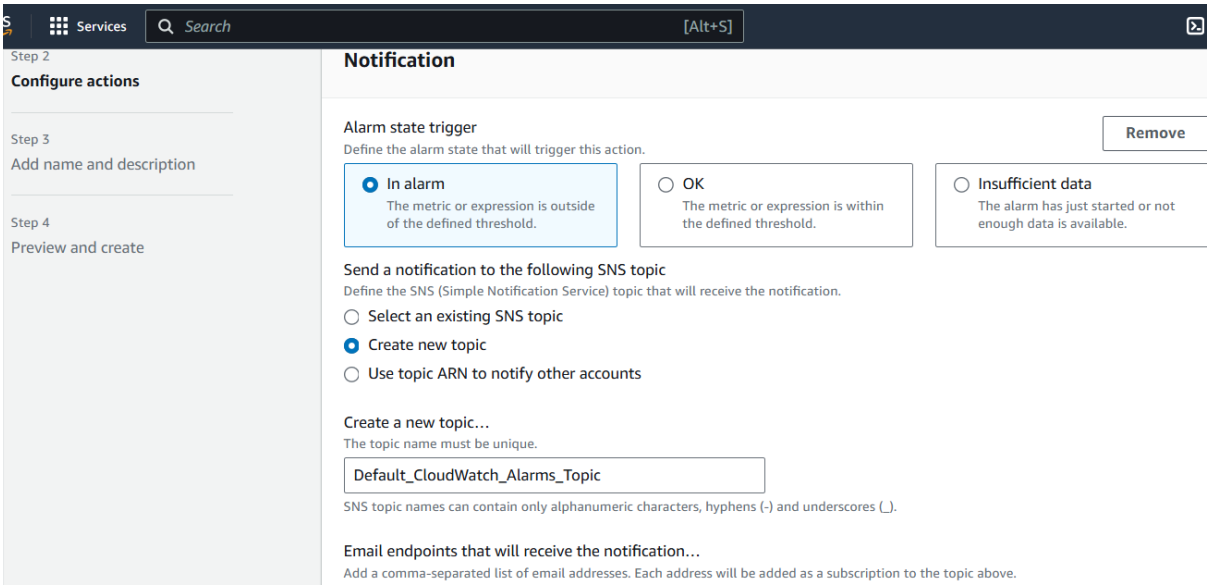
15. Create Alarm through CloudWatch Loggroup

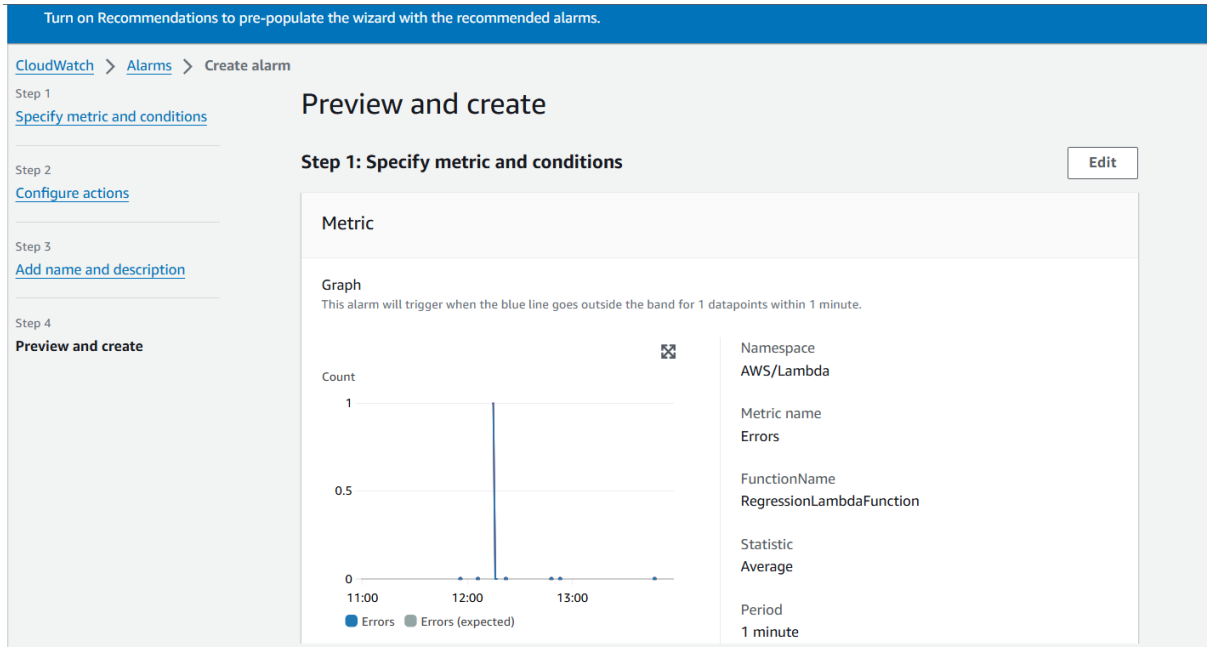

CloudWatch > Alarms
Alarms (0)
Hide Auto Scaling alarms
Clear selection
Create composite alarm
Actions
Create alarm
Search
Alarm state: Any
Alarm type: Any
Actions status: Any
1
Name
State
Last state update (UTC)
Conditions
Actions
No alarms
No alarms to display
Read more about Alarms
Create alarm


aws
Services
Search
[Alt+S]
CloudWatch > Alarms > Create alarm
Step 1
Specify metric and conditions
Step 2
Configure actions
Step 3
Add name and description
Step 4
Preview and create
Specify metric and conditions
Metric
Graph
Preview of the metric or metric expression and the alarm threshold.
Select metric
Cancel
Next

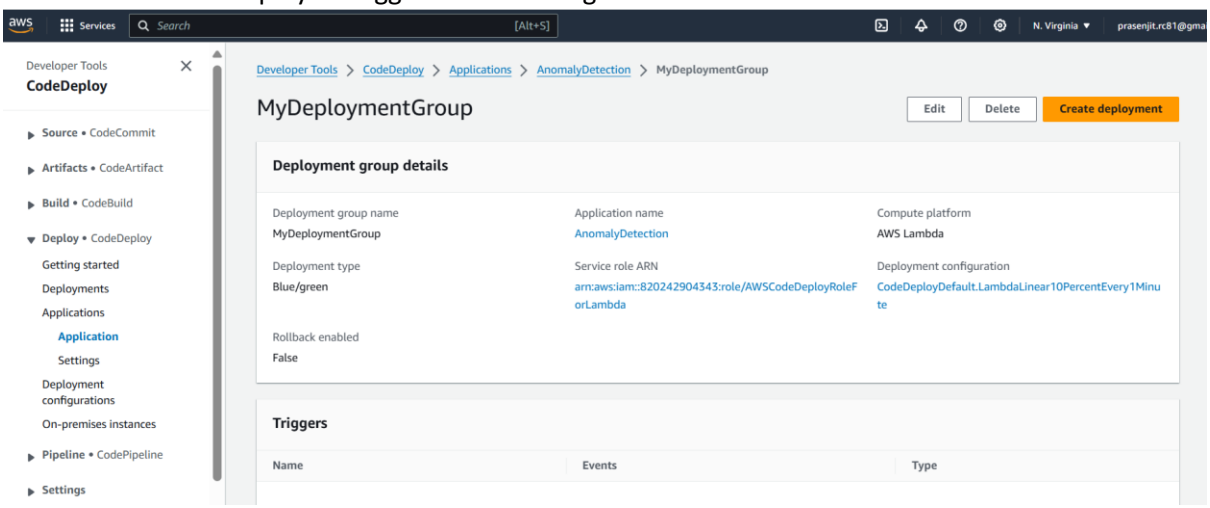

Select metric
0
11:00
11:15
11:30
11:45
12:00
12:15
12:30
12:45
13:00
13:15
13:30
13:45
Errors
Browse
Multi source query
Graphed metrics (1)
Options
Source
Add math
Add query
RegressionLambdaFunction
Throttles
No alarms
RegressionLambdaFunction
Errors
No alarms
RegressionLambdaFunction
Invocations
No alarms
RegressionLambdaFunction
Duration
No alarms
Cancel
Select metric


Services
Search
[Alt+S]
ep 4
eview and create
Count
1
0.5
0
11:00
12:00
13:00
Errors
Errors (expected)
AWS/Lambda
Metric name
Errors
FunctionName
RegressionLambdaFunction
Statistic
Average
Period
1 minute
Conditions
Threshold type
Static
Use a value as a threshold
Anomaly detection
Use a band as a threshold
Whenever Errors is...
Define the alarm condition

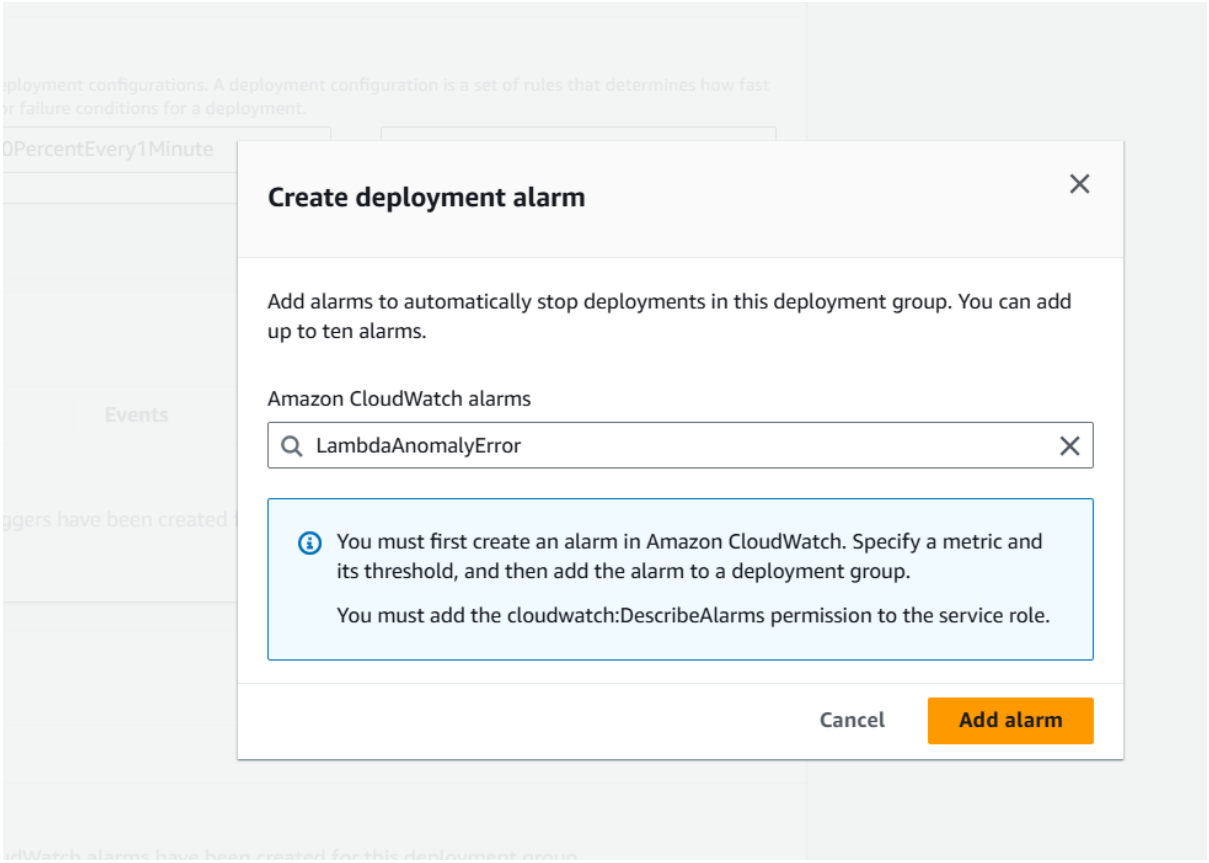

Services
Search
[Alt+S]
Step 2
Configure actions
Step 3
Add name and description
Step 4
Preview and create
Notification
Alarm state trigger
Define the alarm state that will trigger this action.
Remove
In alarm
The metric or expression is outside of the defined threshold.
OK
The metric or expression is within the defined threshold.
Insufficient data
The alarm has just started or not enough data is available.
Send a notification to the following SNS topic
Define the SNS (Simple Notification Service) topic that will receive the notification.
Select an existing SNS topic
Create new topic
Use topic ARN to notify other accounts
Create a new topic...
The topic name must be unique.
Default_CloudWatch_Alarms_Topic
SNS topic names can contain only alphanumeric characters, hyphens (-) and underscores (_).
Email endpoints that will receive the notification...
Add a comma-separated list of email addresses. Each address will be added as a subscription to the topic above.



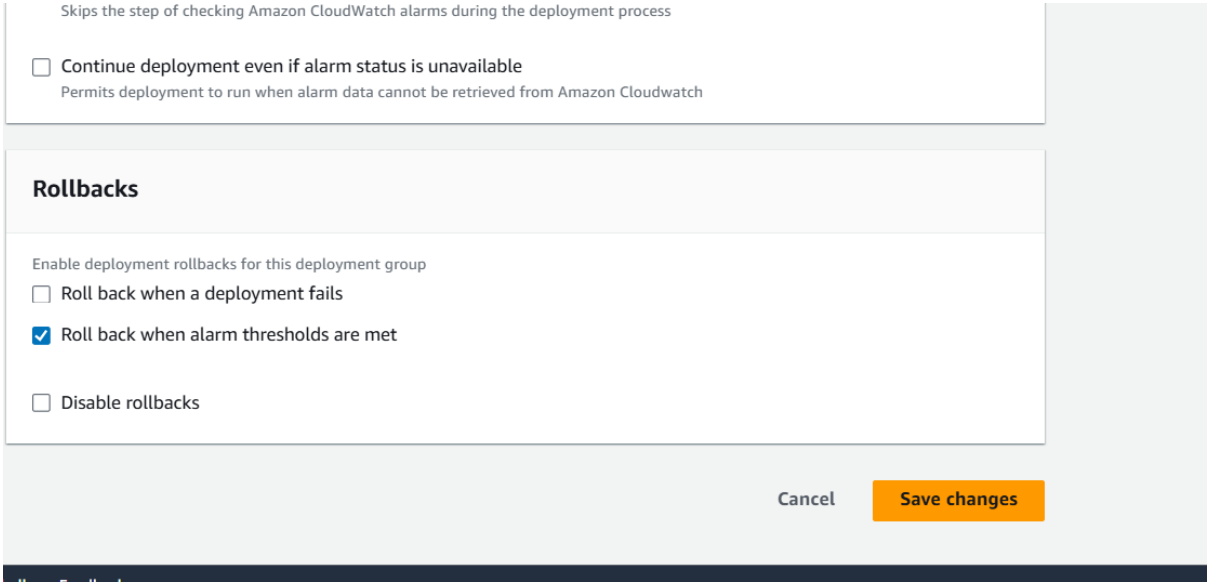
16. Add alarm to CodeDeploy to trigger rollback using the above notification. Click on Edit.



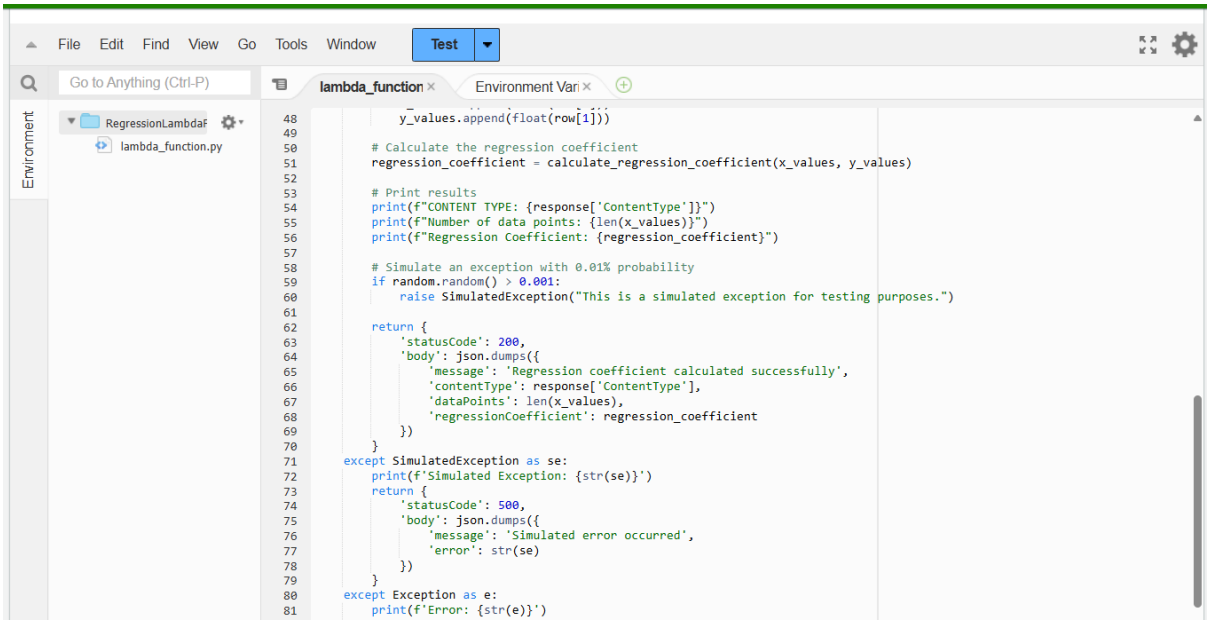
17. Add Alarms in advanced section



18. Enable roll back when threshold met

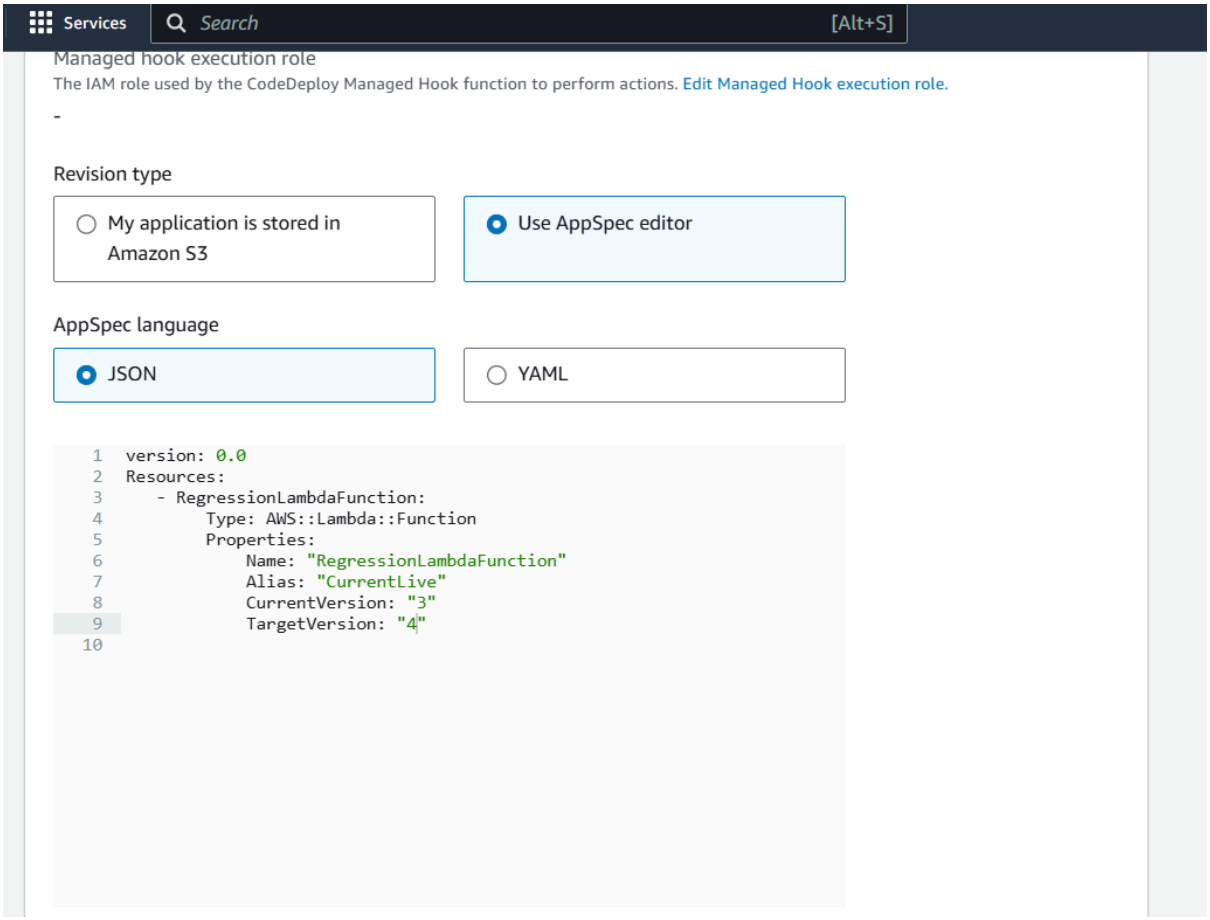


19. Throwing Error Simulation from Lambda code

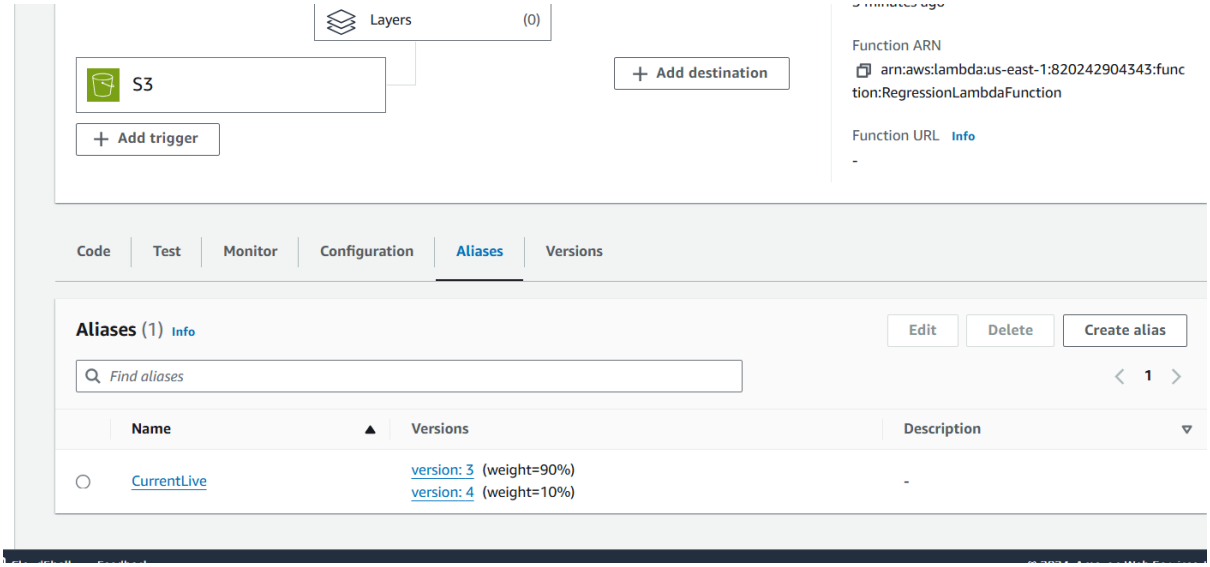


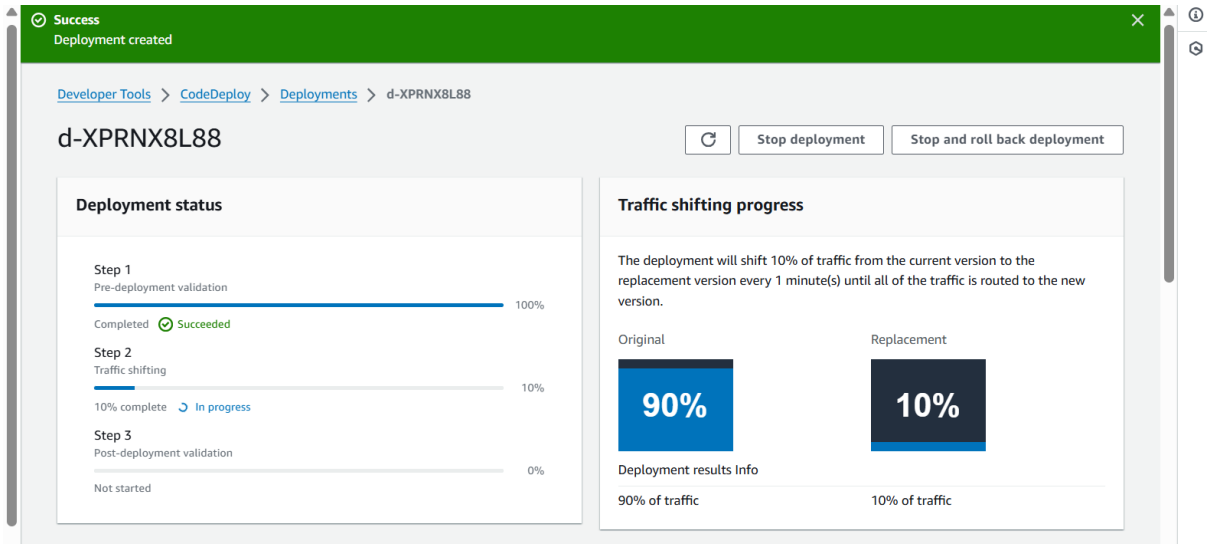
Version 4 is updated

20. Create deployment with group

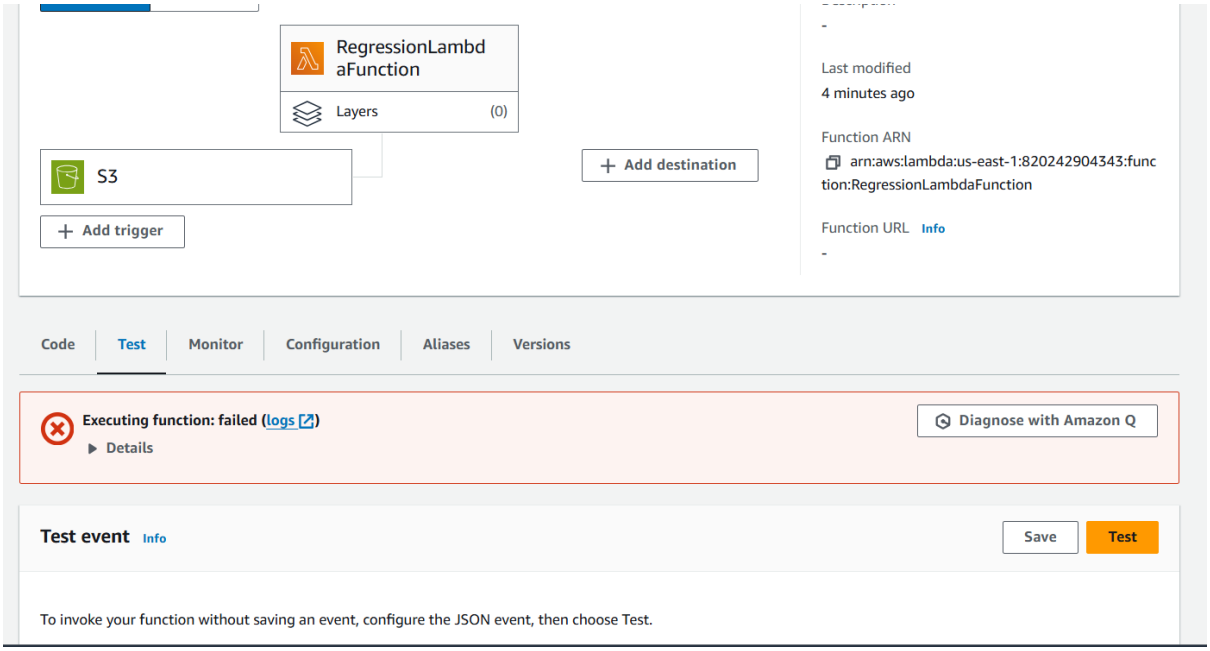


21. Deployment starts



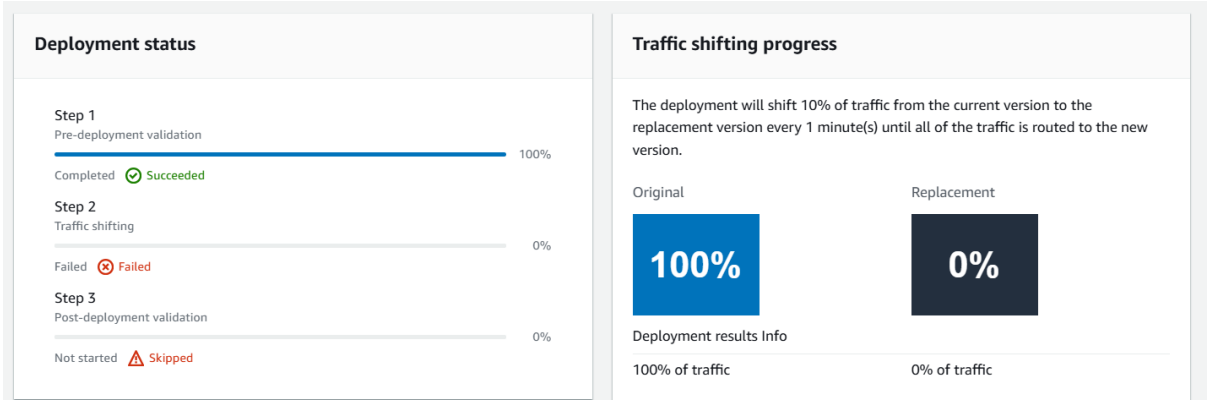


22. Error simulated

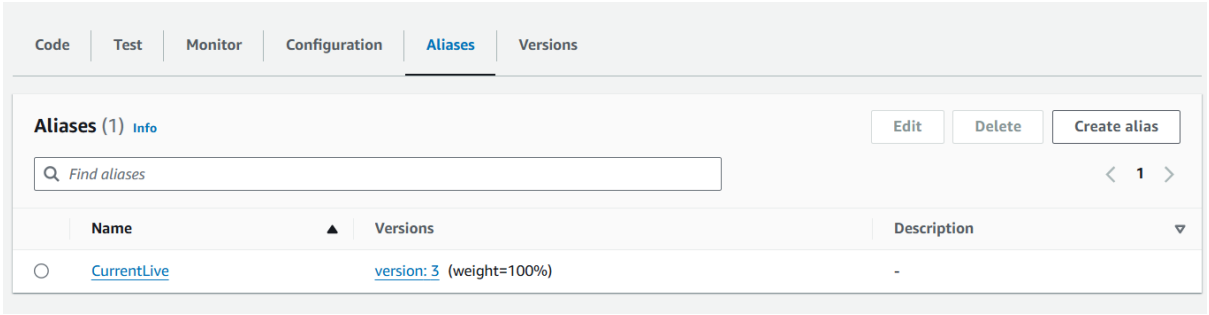


23. SNS generated

24. Deployment rolled back



25. Version 3 is rolled back


Code
Test
Monitor
Configuration
Aliases
Versions
Aliases (1) Info
Edit
Delete
Create alias
Find aliases
1
Name
Versions
Description
CurrentLive
version: 3 (weight=100%)
-