

Go to IAM roles and create a role

- Select AWS Service
- Select lambda in use case.

The screenshot shows the 'Create role' page in the AWS IAM console, specifically Step 2: Add permissions. The left sidebar shows the progress: Step 1 (Select trusted entity), Step 2 (Add permissions), and Step 3 (Name, review, and create). The main content area is divided into two sections: 'Trusted entity type' and 'Use case'.

Trusted entity type

- ☒ **AWS service**
Allow AWS services like EC2, Lambda, or others to perform actions in this account.
- ☐ **AWS account**
Allow entities in other AWS accounts belonging to you or a 3rd party to perform actions in this account.
- ☐ **Web identity**
Allows users federated by the specified external web identity provider to assume this role to perform actions in this account.
- ☐ **SAML 2.0 federation**
Allow users federated with SAML 2.0 from a corporate directory to perform actions in this account.
- ☐ **Custom trust policy**
Create a custom trust policy to enable others to perform actions in this account.

Use case
Allow an AWS service like EC2, Lambda, or others to perform actions in this account.

Service or use case

Lambda

Choose a use case for the specified service.

Use case

- ☒ **Lambda**
Allows Lambda functions to call AWS services on your behalf.

In the permissions select AWSLambdaBasicExecutionRole.

The screenshot shows the 'Add permissions' page in the AWS IAM console. The left sidebar shows the progress: Step 1 (Select trusted entity), Step 2 (Add permissions), and Step 3 (Name, review, and create). The main content area is titled 'Add permissions' and includes a search bar, a filter dropdown, and a table of permissions policies.

Add permissions [Info](#)

Permissions policies (1/1083) [Info](#)

Choose one or more policies to attach to your new role.

Filter by Type: All types 1 match

Policy name	Type	Description
<input checked="" type="checkbox"/> AWSLambdaBasicExecutionRole	AWS managed	Provides write permissions to CloudWat...

► Set permissions boundary - optional

Cancel Previous Next

Give the name and click on create role.

The screenshot shows the AWS IAM console 'Create role' page, specifically Step 3: Name, review, and create. The left sidebar shows the progress: Step 1: Select trusted entity, Step 2: Add permissions, and Step 3: Name, review, and create (selected). The main content area is titled 'Name, review, and create' and contains 'Role details' and 'Step 1: Select trusted entities' sections.

Role details

Role name
Enter a meaningful name to identify this role.

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: '_', '=', '@', '/', '!', '#', '\$', '%', '^', '&', '*', '~', ' ', '(', ')', '[', ']', '{', '}', '<', '>', '"', ''', ':', ',', '\', '4', '6', '8', ':', '?', '@', 'A', 'B', 'C', 'D', 'E', 'F', 'G', 'H', 'I', 'J', 'K', 'L', 'M', 'N', 'O', 'P', 'Q', 'R', 'S', 'T', 'U', 'V', 'W', 'X', 'Y', 'Z', '[', '\', ']', '^', '_', '`', 'a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j', 'k', 'l', 'm', 'n', 'o', 'p', 'q', 'r', 's', 't', 'u', 'v', 'w', 'x', 'y', 'z', '{', '|', '}', '~', '', '€', '', '‚', 'ƒ', '„', '…', '†', '‡', 'ˆ', '‰', 'Š', '‹', 'Œ', '', 'Ž', '', '', '‘', '’', '“', '”', '•', '–', '—', '˜', '™', 'š', '›', 'œ', '', 'ž', 'Ÿ', ' ', '¡', '¢', '£', '¤', '¥', '¦', '§', '¨', '©', 'ª', '«', '¬', '­', '®', '¯', '°', '±', '²', '³', '´', 'µ', '¶', '·', '¸', '¹', 'º', '»', '¼', '½', '¾', '¿', 'À', 'Á', 'Â', 'Ã', 'Ä', 'Å', 'Æ', 'Ç', 'È', 'É', 'Ê', 'Ë', 'Ì', 'Í', 'Î', 'Ï', 'Ð', 'Ñ', 'Ò', 'Ó', 'Ô', 'Õ', 'Ö', '×', 'Ø', 'Ù', 'Ú', 'Û', 'Ü', 'Ý', 'Þ', 'ß', 'à', 'á', 'â', 'ã', 'ä', 'å', 'æ', 'ç', 'è', 'é', 'ê', 'ë', 'ì', 'í', 'î', 'ï', 'ð', 'ñ', 'ò', 'ó', 'ô', 'õ', 'ö', '÷', 'ø', 'ù', 'ú', 'û', 'ü', 'ý', 'þ', 'ÿ'.

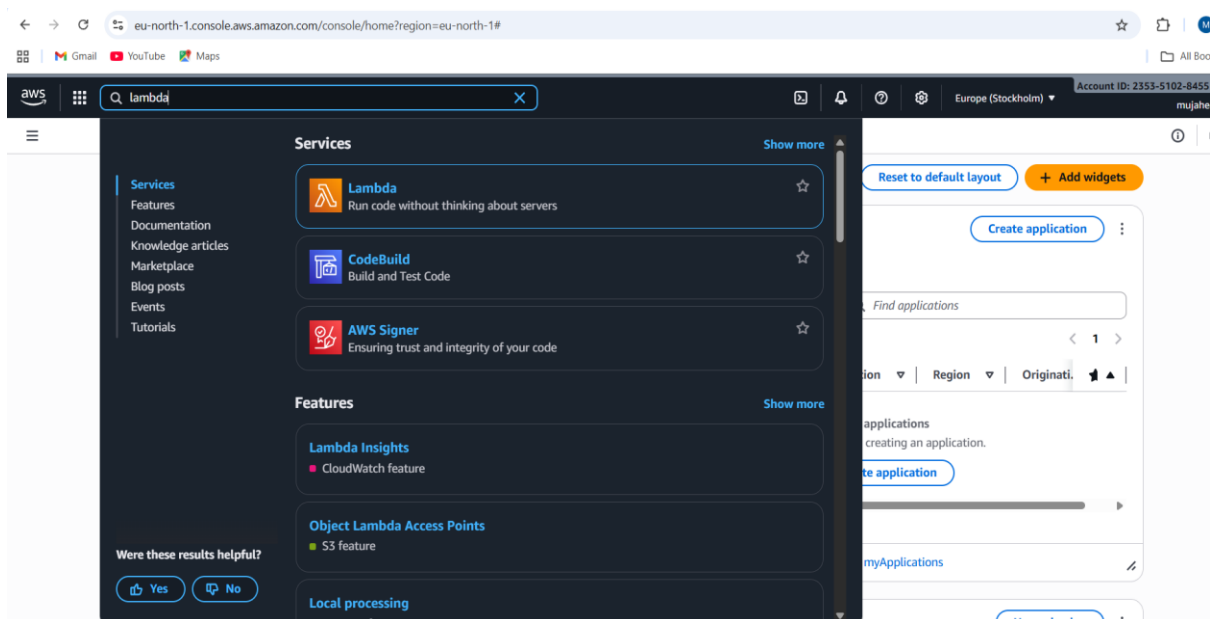
Step 1: Select trusted entities [Edit](#)

Trust policy

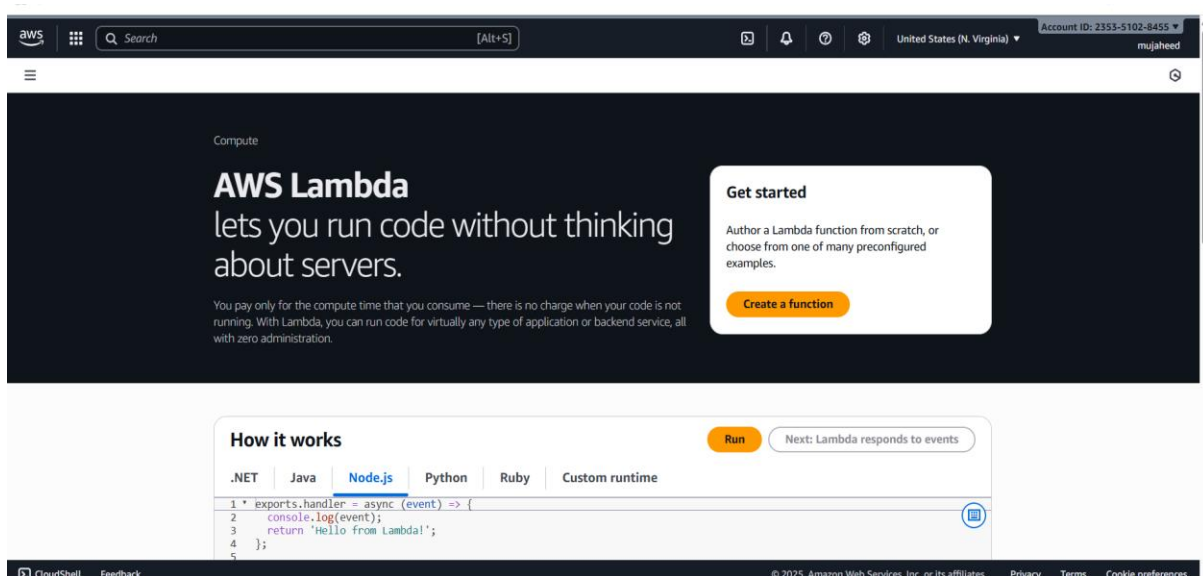
```
1 {  
2   "Version": "2012-10-17",  
3   "Statement": [  
4     {  
5       "Effect": "Allow",  
6       "Action": "iam:PassRole",  
7       "Resource": "arn:aws:iam::*:role/*",  
8     }  
9   ]  
10 }
```

Step 2:

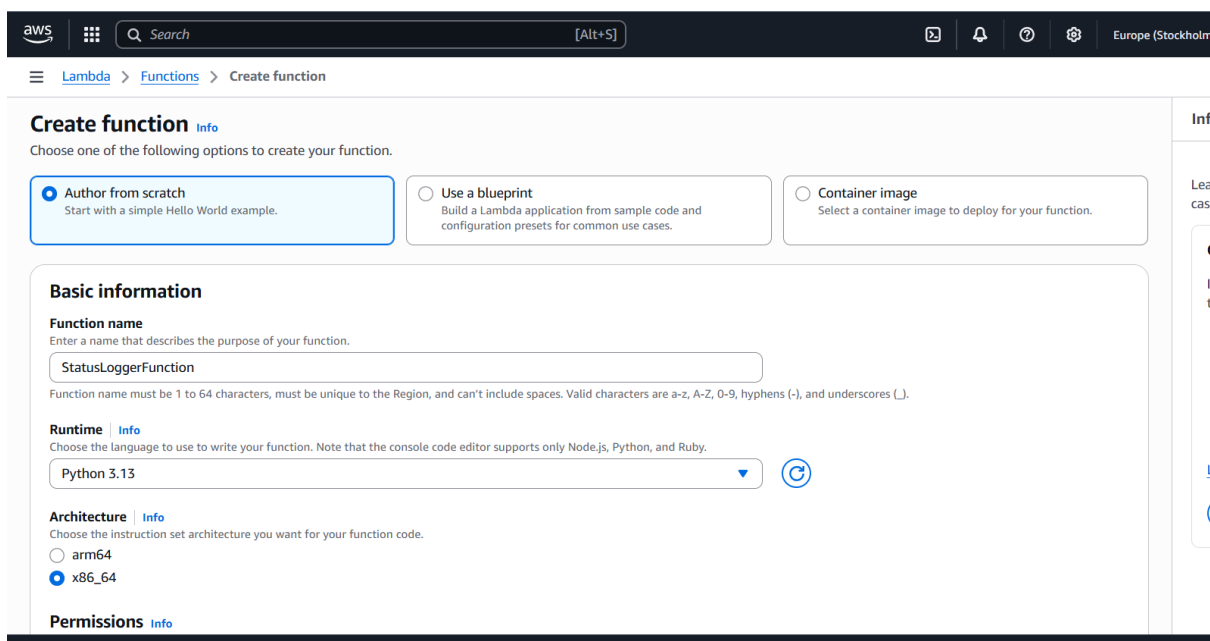
Go to aws console and search lambda and click on that.



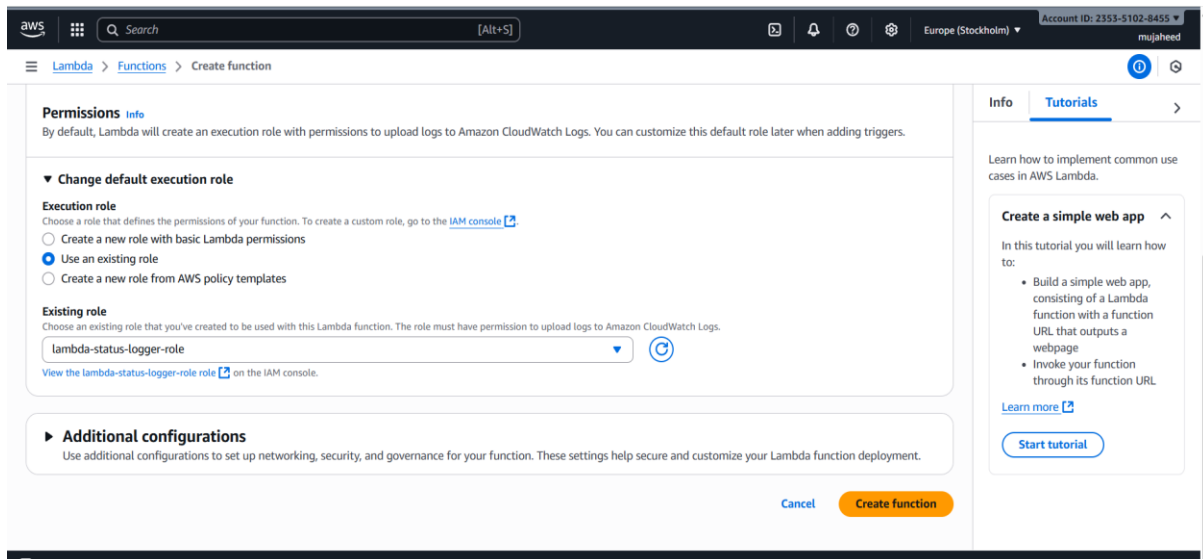
Click on create a function.



Give the function name and select python language and default architecture.

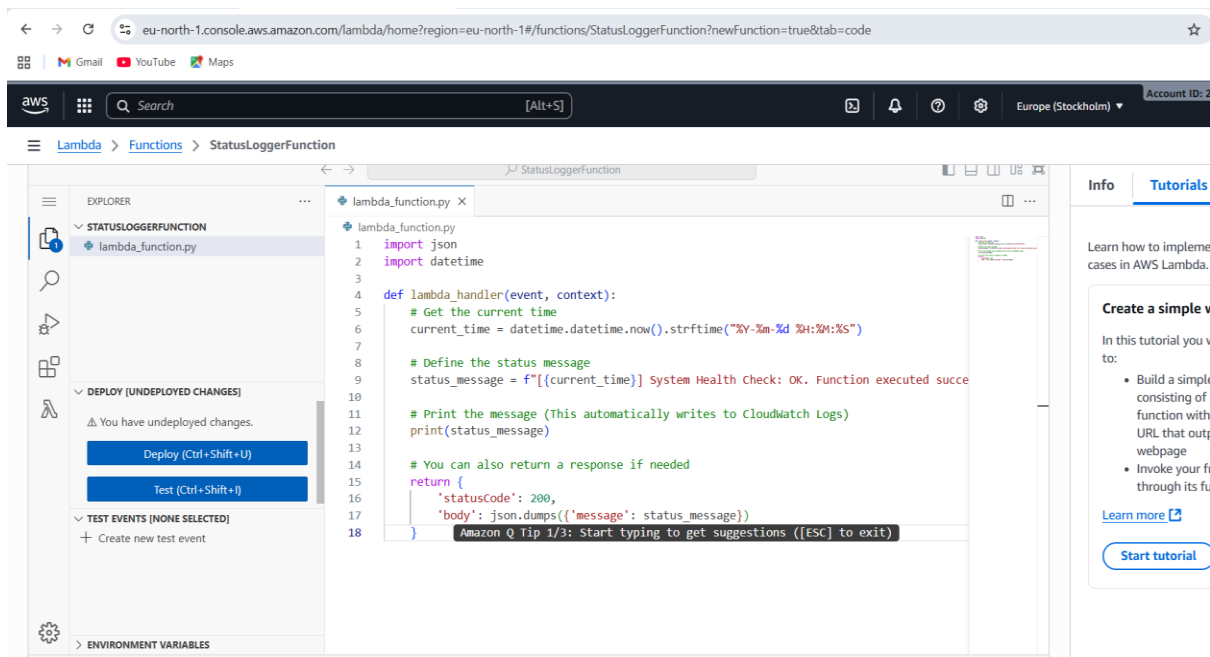


Change the default execution role select existing role and select the role Lambda-status-logger-role. And create the function.



In the function page go to the editor and replace the code with this python code.

Click on deploy to save the changes.



On the functions page click on add trigger.

[Lambda](#) > [Functions](#) > StatusLoggerFunction


StatusLoggerFunction


[Throttle](#)
[Copy ARN](#)
[Actions](#)

[Export to Infrastructure Composer](#)
[Download](#)

Function overview
[Info](#)

[Diagram](#)
[Template](#)


StatusLoggerFunction


 Layers (0)

[+ Add trigger](#)
[+ Add destination](#)

Description
 -

Last modified
 49 seconds ago

Function ARN
[arn:aws:lambda:eu-north-1:235351028455:function:StatusLoggerFunction](#)

Function URL [Info](#)
 -

[Code](#)
[Test](#)
[Monitor](#)
[Configuration](#)
[Aliases](#)
[Versions](#)


Code source [Info](#)
[Open in Visual Studio Code](#)
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- Select EventBridge (CloudWatch Events)
- Create a new role -rule name as FiveMinutesScheduleRule.
- Select rule type as Schedule expression.

[Lambda](#) > Add triggers

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

Rule name
 Enter a name to uniquely identify your rule.

Rule description
 Provide an optional description for your rule.

Rule type
 Trigger your target based on an event pattern, or based on an automated schedule.

☐ Event pattern
☒ Schedule expression

Schedule expression

- Schedule expression as rate(5 minutes).
- Click on add.

Lambda > Add triggers

Rule name
Enter a name to uniquely identify your rule.

Rule description
Provide an optional description for your rule.

Rule type
Trigger your target based on an event pattern, or based on an automated schedule.
☐ Event pattern
☒ Schedule expression

Schedule expression
Self-trigger your target on an automated schedule using [Cron or rate expressions](#). Cron expressions are in UTC.

e.g. rate(1 day), cron(0 17 ? * MON-FRI *)

Lambda will add the necessary permissions for Amazon EventBridge (CloudWatch Events) to invoke your Lambda function from this trigger. [Learn more](#) about the Lambda permissions model.

[Cancel](#) [Add](#)

Info **Tutorial**

Learn how to implement cases in AWS Lambda

Create a simple

In this tutorial you to:

- Build a simple function consisting of a function with a URL that our webpage
- Invoke your function through its URL

[Learn more](#)

[Start tutorial](#)

Navigate to cloudwatch and go to log groups there you will find created `lambdastatusloggerfunction` click on that.

eu-north-1.console.aws.amazon.com/cloudwatch/home?region=eu-north-1#logsV2:log-groups

CloudWatch > Log groups

Log groups (2)

By default, we only load up to 10000 log groups.

☒ Exact match

<input type="checkbox"/>	Log group	Log class	Anomaly d...	Data pr...	Sensitiv...	Retention	Metric fi
<input type="checkbox"/>	/aws/lambda/StatusLoggerFunction	Standard	Configure	-	-	Never expire	-
<input type="checkbox"/>	aws-cloudtrail-logs-235351028455-e78336fe	Standard	Configure	-	-	Never expire	-

In that go to logstream select the logstream.

CloudWatch > Log groups > /aws/lambda/StatusLoggerFunction

CloudWatch

Favorites and recents

- Dashboards
- AI Operations [New](#)
- Alarms [0](#) [0](#) [0](#) [0](#)
- ▼ Logs
 - Log groups
 - Log Anomalies
 - Live Tail
 - Logs Insights
 - Contributor Insights
- Metrics [New](#)
- Application Signals (APM) [New](#)
- Network Monitoring

Standard

ARN
[arn:aws:logs:eu-north-1:235351028455:log-group:/aws/lambda/StatusLoggerFunction:](#)

Creation time
3 minutes ago

Retention
Never expire

Stored bytes
-

Subscription filters
0

Contributor Insights rules
-

KMS key ID
-

Anomaly detection
[Configure](#)

Sensitive data count
-

Custom field indexes
[Configure](#)

Transformer
[Configure](#)

< Log streams Tags Anomaly detection Metric filters Subscription filters Contributor Insights Data protection

Log streams (1) [Refresh](#) [Delete](#) [Create log stream](#) [Search all](#)

Filter log streams or try prefix search ☐ Exact match ☐ Show expired [Info](#)

<input type="checkbox"/>	Log stream	Last event time
<input type="checkbox"/>	2025-10-21/[\$LATEST]278a03f1f8754ae98cc50f3d3c3ff287	2025-10-21 10:46:39 (UTC)

You should see entries repeating every five minutes.

aws CloudWatch > Log groups > /aws/lambda/StatusLoggerFunction > 2025/10/21/[\$LATEST]278a03f1f8754ae98cc50f3d3c3ff287

CloudWatch

Favorites and recents

- Dashboards
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- Application Signals (APM) [New](#)
- Network Monitoring

Log events

You can use the filter bar below to search for and match terms, phrases, or values in your log events. [Learn more about filter patterns](#)

Filter events - press enter to search [Clear](#) [1m](#) [30m](#) [1h](#) [12h](#) [Custom](#) [UTC timez](#)

[Display](#)

Timestamp	Message
No older events at this moment. Retry	
2025-10-21T10:46:39.174Z	INIT_START Runtime Version: python:3.13.v64 Runtime Version ARN: arn:aws:lambda:eu-north-1::runtime:fe7a78198cc1037d599c8e576c
2025-10-21T10:46:39.278Z	START RequestId: 9e281300-dc61-4af5-a1a8-7e01bc290bc1 Version: \$LATEST
2025-10-21T10:46:39.278Z	[2025-10-21 10:46:39] System Health Check: OK. Function executed successfully.
2025-10-21T10:46:39.280Z	END RequestId: 9e281300-dc61-4af5-a1a8-7e01bc290bc1
2025-10-21T10:46:39.287Z	REPORT RequestId: 9e281300-dc61-4af5-a1a8-7e01bc290bc1 Duration: 2.25 ms Billed Duration: 103 ms Memory Size: 128 MB Max Memor
Loading newer events	