

INTEGRATION OF CT22 PROJECTOR LAMBDA FUNCTION

October 26 2024

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Overview

Projector uses a Lambda function for the connectivity between AWS DynamoDB logs and ElasticSearch.

The Lambda function is provided as a .zip file.

For the connectivity between AWS Dynamo logs and ElasticSearch, the Lambda function uses 2 AWS services it has to interface with : S3 and IAM

S3 provides the Bucket the Lambda function will pick up the logs from.

IAM, to properly set-up permissions

Lambda itself which must be triggered by the AWS log file put in the S3 bucket.

The procedure is therefore:

- Creation of the Lambda function
- Upload of the CT22 .zip file with Projector code
- Creation of the S3 bucket dedicated to CT22 Projector
- Setting of Lambda permissions
- Setting of S3 Trigger on Lambda

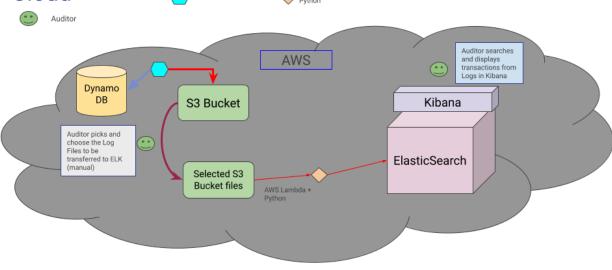
Is not covered here the configuration of the ElasticSearch credentials into Lambda. It will be covered once the ES instance for GainWell will be set up.

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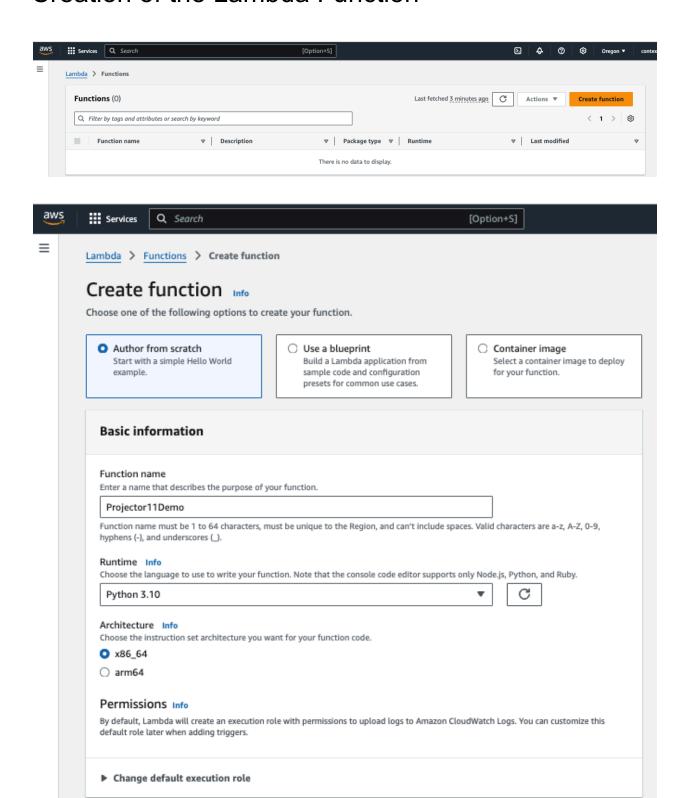
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Architecture Overview

CT22 Projector - Option 1.1 : DynamoDB - ASync - All Cloud Aws CloudTrail Aws Lambda + Python

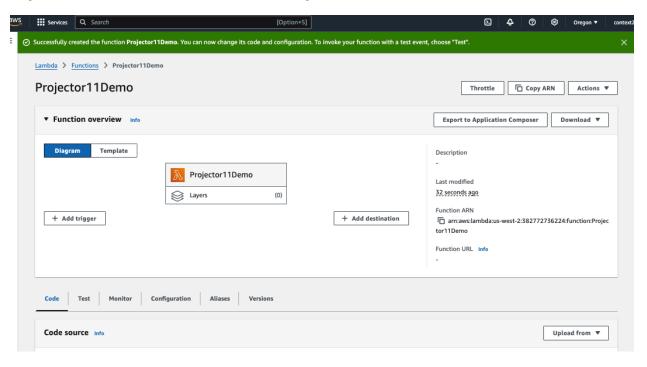


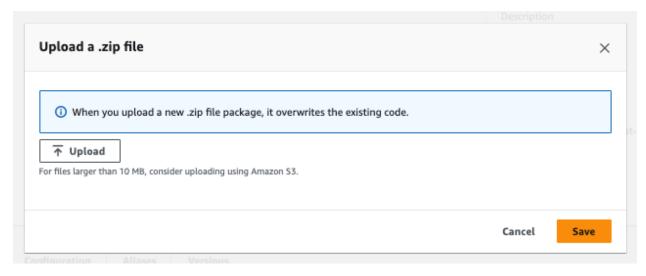
Creation of the Lambda Function





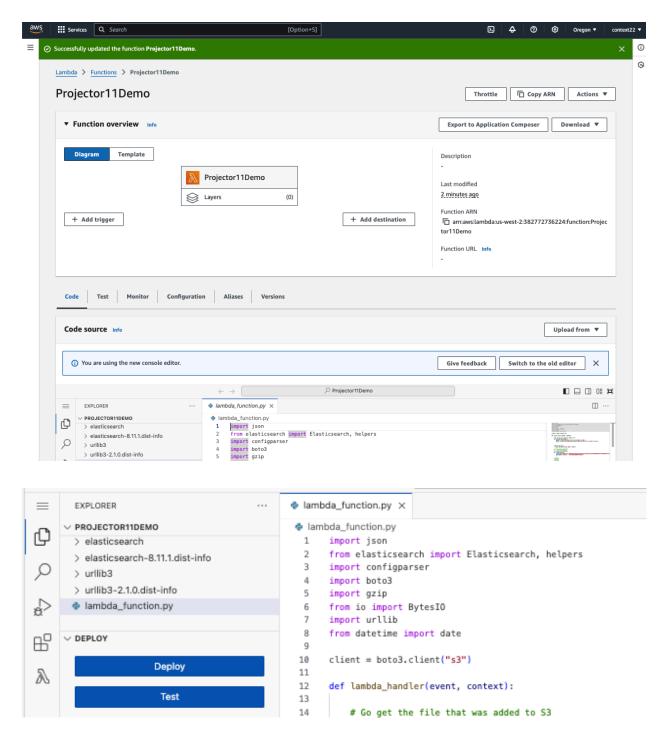
Upload of the Lambda .zip file





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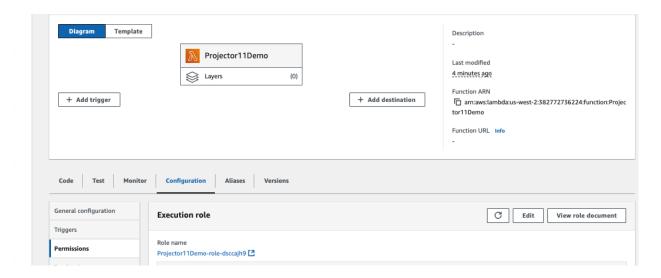
Result:



Hit "Deploy"

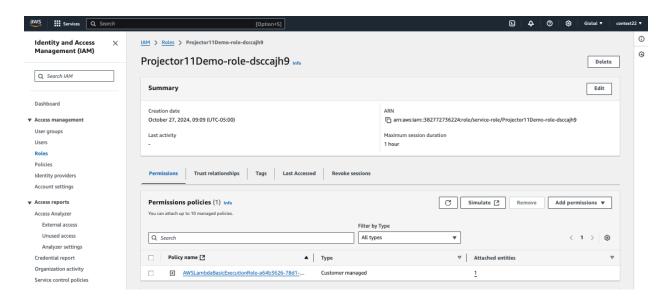
Lambda Function Permissions configuration

1 - Create the Function. Choose Projector11



Select "Role Name"

2 - Configuring the role for the Lambda function

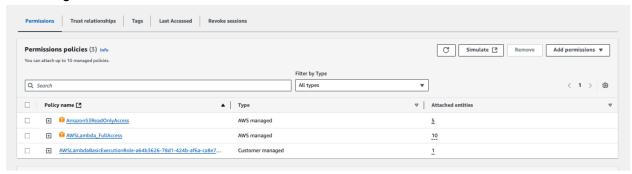


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Select "Add Permissions"

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3 - Adding 2 Permissions Policies



Add the 2 Permissions Policies



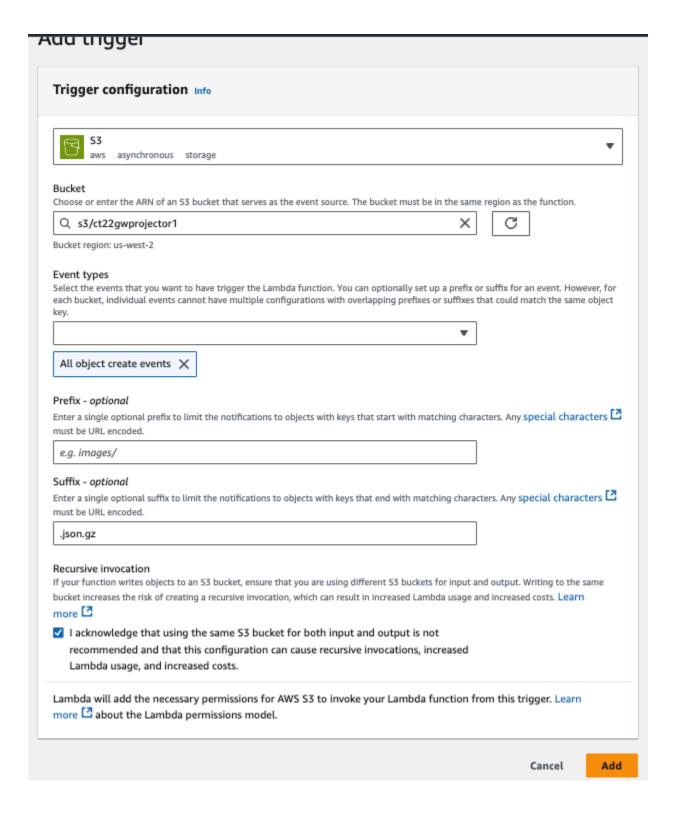
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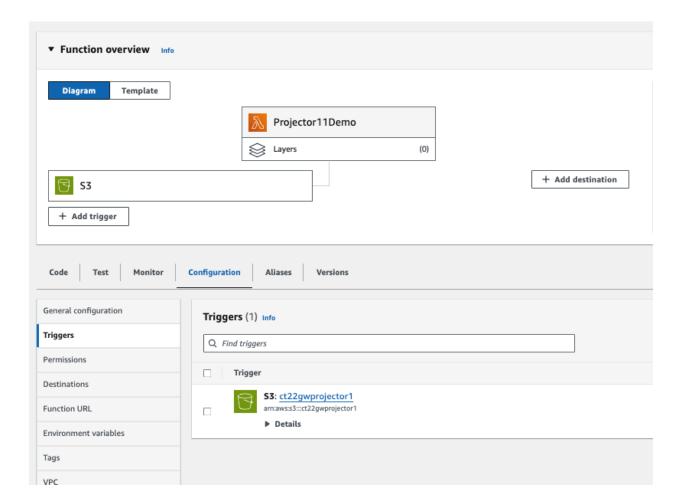
S3 Configuration

Creation of S3 Bucket



Lambda Trigger Configuration





ES Credentials Set-Up

This part will be completed once the ElasticSearch instance for GainWell will be done.

End of Document

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