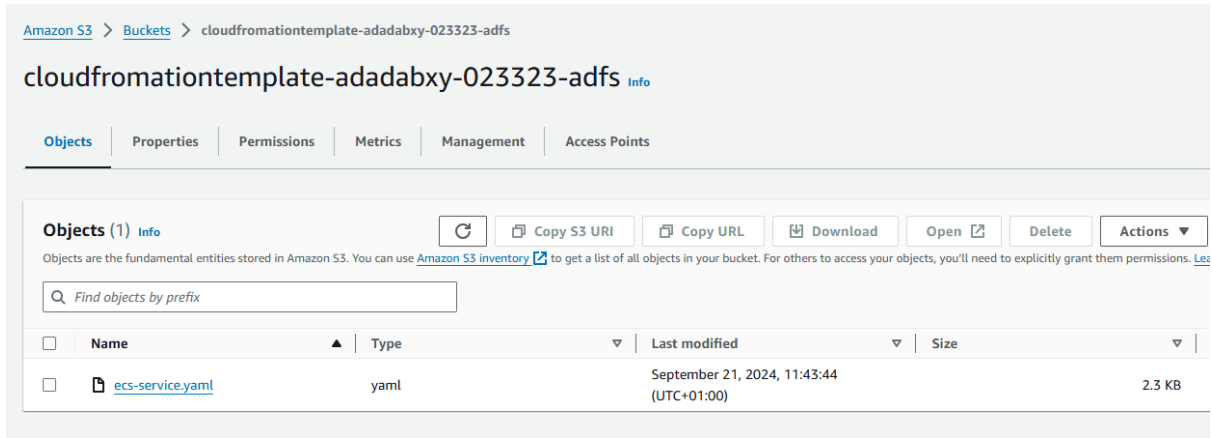
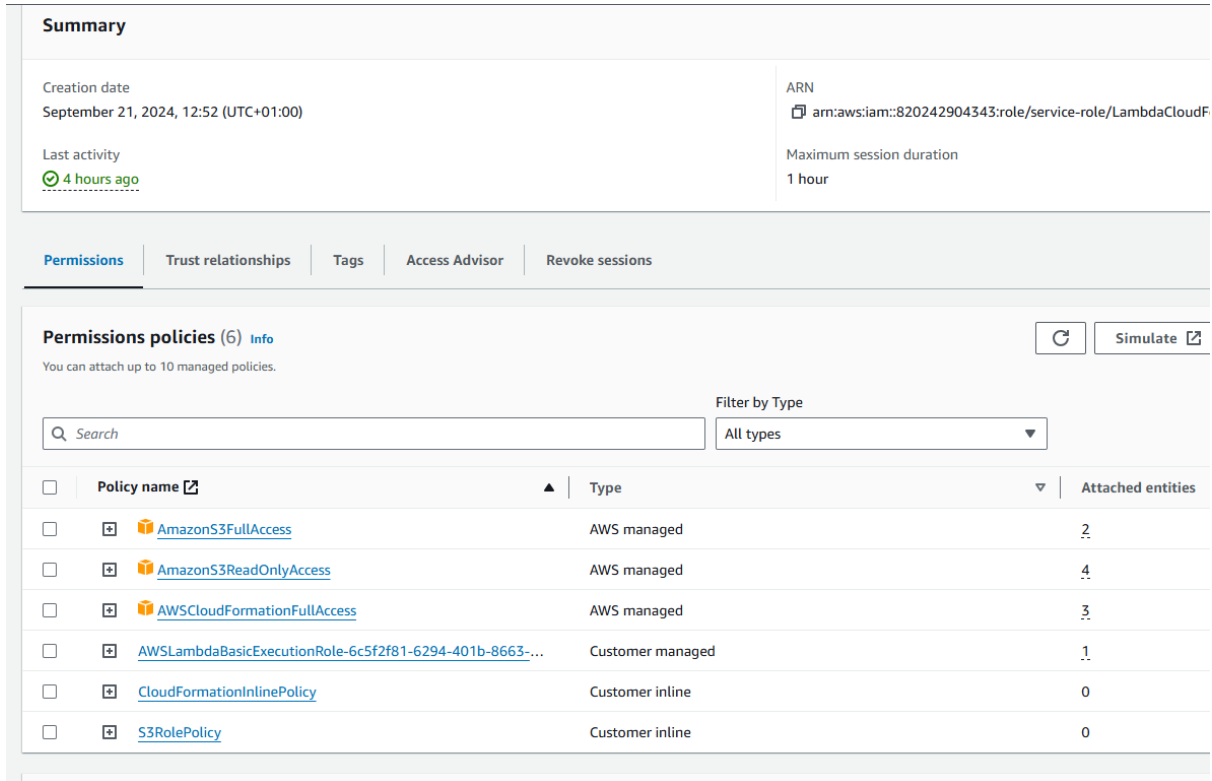


1. The Docker creation, ECR, Amazon ECS cluster, task definition and AWS Fargate service definition is done in earlier paper. Here only the steps for creating AWS CloudFormation tasks are defined.
2. AWS S3 creation with bucket



3. AWS Lambda creation
4. AWS IAM roles



5. AWS EventBridge Schedule

Add EventBridge schedule for Start

Occurrence [Info](#)

You can define an one-time or recurrent schedule.

☐ One-time schedule

☒ Recurring schedule

Time zone

The time zone for the schedule.

(UTC+01:00) Europe/London

Schedule type

Choose the schedule type that best meets your needs.

☒ Cron-based schedule



A schedule set using a cron expression that runs at a specific time, such as 8:00 a.m. PST on the first Monday of every month.

☐ Rate-based schedule

A schedule that runs at a regular rate, such as every 10 minutes.

Cron expression [Info](#)

Define the cron expression for the schedule

 Copy  Clear

cron ()

Minutes Hours Day of month Month Day of the week Year

Next 10 trigger dates

Date and time are displayed in your current time zone in UTC format, e.g. "Wed, Nov 9, 2022 09:00 (UTC - 08:00)" for Pacific time

Sun, 22 Sep 2024 08:00:00 (UTC+01:00)
Mon, 23 Sep 2024 08:00:00 (UTC+01:00)
Tue, 24 Sep 2024 08:00:00 (UTC+01:00)
Wed, 25 Sep 2024 08:00:00 (UTC+01:00)
Thu, 26 Sep 2024 08:00:00 (UTC+01:00)
Sun, 29 Sep 2024 08:00:00 (UTC+01:00)
Mon, 30 Sep 2024 08:00:00 (UTC+01:00)
Tue, 01 Oct 2024 08:00:00 (UTC+01:00)
Wed, 02 Oct 2024 08:00:00 (UTC+01:00)

6. Add Stop schedule for Amazon EventBridge schedule

Occurrence

Info

You can define an one-time or recurrent schedule.

☐ One-time schedule

☒ Recurring schedule

Time zone

The time zone for the schedule.

(UTC+01:00) Europe/London

Schedule type

Choose the schedule type that best meets your needs.

☒ Cron-based schedule

A schedule set using a cron expression that runs at a specific time, such as 8:00 a.m. PST on the first Monday of every month.

☐ Rate-based schedule

A schedule that runs at a regular rate, such as every 10 minutes.

Cron expression

Info

Define the cron expression for the schedule

Copy

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cron (

30

17

?

*

1-5

2024

)

Minutes

Hours

Day of month

Month

Day of the week

Year

Next 10 trigger dates

Date and time are displayed in your current time zone in UTC format, e.g. "Wed, Nov 9, 2022 09:00 (UTC - 08:00)" for Pacific time

Thu, 19 Sep 2024 17:30:00 (UTC+01:00)

Sun, 22 Sep 2024 17:30:00 (UTC+01:00)

Mon, 23 Sep 2024 17:30:00 (UTC+01:00)

Tue, 24 Sep 2024 17:30:00 (UTC+01:00)

Wed, 25 Sep 2024 17:30:00 (UTC+01:00)

Thu, 26 Sep 2024 17:30:00 (UTC+01:00)

Sun, 29 Sep 2024 17:30:00 (UTC+01:00)

Mon, 30 Sep 2024 17:30:00 (UTC+01:00)

Tue, 01 Oct 2024 17:30:00 (UTC+01:00)

Wed, 02 Oct 2024 17:30:00 (UTC+01:00)

7. The Payload for passing the values for Amazon EventBridge schedule

Lambda function

CloudFormationScheduler

↺

↻

Create new Lambda function

Configure version/alias

Payload

The JSON that you want to provide to your Lambda function as input. For example, --payload '{ key: value }'. [Learn more](#)

1

{

2

"environment": {

3

"variables": {

4

"environment": "dev",

5

"exclusionList": "item1,item2,item3",

6

"clusterName": "ReportFargateSpotCluster2",

7

"action": "Start"

8

}

9

}

10

}