

# CREATING ECS CLUSTER & CORRESPONDING LOG GROUP IN CLOUDWATCH

```
MacBook-Air-nikita:Backend-Mythical-Mysfits nkdchck$ aws ecs create-cluster --cluster-name MythicalMysfits-Cluster
cluster:
  activeServicesCount: 0
  capacityProviders: []
  clusterArn: arn:aws:ecs:us-east-1:959910143348:cluster/MythicalMysfits-Cluster
  clusterName: MythicalMysfits-Cluster
  defaultCapacityProviderStrategy: []
  pendingTasksCount: 0
  registeredContainerInstancesCount: 0
  runningTasksCount: 0
  settings:
    - name: containerInsights
      value: disabled
  statistics: []
  status: ACTIVE
  tags: []
```

[Clusters](#) > MythicalMysfits-Cluster

### Cluster : MythicalMysfits-Cluster

[Update Cluster](#)[Delete Cluster](#)

Get a detailed view of the resources on your cluster.

Cluster ARN

arn:aws:ecs:us-east-1:959910143348:cluster/MythicalMysfits-Cluster

Status

ACTIVE

Registered container instances

0

Pending tasks count

0 Fargate, 0 EC2

Running tasks count

0 Fargate, 0 EC2

Active service count

0 Fargate, 0 EC2

Draining service count

0 Fargate, 0 EC2

Services

Tasks

ECS Instances

Metrics

Scheduled Tasks

Tags

Capacity Providers

Create

Update

Delete

Actions

Last updated on November 17, 2020 2:19:06 PM (0m ago)

Filter In this page

Launch type

ALL

Service type

ALL

	Service Name	Status	Service ty...	Task Defi...	Desired t...	Running t...	Launch t...	Platform ...
	No results							

[CloudWatch](#) > [CloudWatch Logs](#) > [Log groups](#) > Create log group

## Create log group

### Log group details

Log group name

mythicalmysfits-logs

Retention setting

Never expire

KMS key ARN - optional

Cancel

Create

### Log groups (6)

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

Filter log groups or try prefix search

Exact match

< 1 >

<input type="checkbox"/>	Log group	Retention	Metric filters	Contributor Insights	Subscription filters
<input type="checkbox"/>	mythicalmysfits-logs	Never expire	-	-	-

# SETTING UP ECS TASK DEFINITION

## Configure task and container definitions

A task definition specifies which containers are included in your task and how they interact with each other. You can also specify data volumes for your containers to use. [Learn more](#)

Task Definition Name\*

mythicalmysfitsservice

Requires Compatibilities\*

FARGATE

Task Role

MythicalMysfitsCoreStack-...

Network Mode

awsvpc

Task execution IAM role

MythicalMysfitsCoreStack-EcsSer...

Task size

Task memory (GB)

0.5GB

Task CPU (vCPU)

0.25 vCPU

Task memory maximum allocation for container memory reservation

512 shared of 512 MiB

Task CPU maximum allocation for containers

256 shared of 256 CPU units

Add container

Standard

Container name\*

MythicalMysfits-Service

Image\*

959910143348.dkr.ecr.us-east-1.amazonaws.com/mythicalmysfits/service

Private repository authentication\*

Memory Limits (MiB)

Soft limit

128

Add Hard limit

Define hard and/or soft memory limits in MiB for your container. Hard and soft limits correspond to the `memory` and `memoryReservation` parameters, respectively, in task definitions. ECS recommends 300-500 MiB as a starting point for web applications.

Port mappings

Container port

8080

Protocol

tcp

Add port mapping

Log configuration

Auto-configure CloudWatch Logs

Log driver

awslogs

Log options

Key

Value

awslogs-groupValuemythicalmysfits

awslogs-regionValueus-east-1

awslogs-streamValueawslogs-mythic

Add keyValueAdd value

Container Definitions

Add container

Container Name	Image	Hard/Soft me...	CP...	GP...	Inferenc...	Essential
MythicalMysfits-Service	959910143348...	--/--				true

Create new Task Definition

Create new revision

Actions

Last updated on November 17, 2020 3:09:48 PM (0m ago)

Status: ACTIVE INACTIVE

Filter in this page

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Task Definition

Latest revision status

mythicalmysfitsserviceACTIVE

```
task-definition.json
{
  "family": "mythicalmysfitsservice",
  "cpu": "256",
  "memory": "512",
  "networkMode": "awsvpc",
  "requiresCompatibilities": [
    "FARGATE"
  ],
  "executionRoleArn": "arn:aws:iam::959910143348:role/MythicalMysfitsCoreStack-EcsServ...",
  "taskRoleArn": "arn:aws:iam::959910143348:role/MythicalMysfitsCoreStack-ECSTaskRole-...",
  "containerDefinitions": [
    {
      "name": "MythicalMysfits-Service",
      "image": "959910143348.dkr.ecr.us-east-1.amazonaws.com/mythicalmysfits/service",
      "portMappings": [
        {
          "containerPort": 8080,
          "protocol": "http"
        }
      ],
      "logConfiguration": {
        "logDriver": "awslogs",
        "options": {
          "awslogs-group": "mythicalmysfits-logs",
          "awslogs-region": "us-east-1",
          "awslogs-stream-prefix": "awslogs-mythicalmysfits-service"
        }
      },
      "essential": true
    }
  ]
}
```