

Deep Dive with Amazon ECS

Container Instances

Create an EC2 instance

```
# Make sure you're in the deepdive/ folder when executing this command
aws ec2 run-instances --image-id ami-2b3b6041 --count 1 \
  --instance-type t2.micro --iam-instance-profile Name=ecsInstanceRole \
  --key-name aws-nick --security-group-ids sg-5f63c627 \
  --user-data file://copy-ecs-config-to-s3
```

- The [ami-2b3b6041](#) is the official Amazon ECS AMI for us-east-1
- We want the instance to use the [ecsInstanceRole](#)
- Replace the key name and security group with your information
- Copy the [InstanceId](#) value from the JSON output because we will be using it later

Get EC2 instance status

```
aws ec2 describe-instance-status --instance-id i-02914f86
```

Verify the EC2 instance is now part of the deepdive cluster

```
aws ecs list-container-instances --cluster deepdive
```

Get detailed stats about a specific container instance

```
aws ecs describe-container-instances --cluster deepdive \
  --container-instances xxx
```

- Replace the xxx with your [containerArn](#)

Review the state of the deepdive cluster

```
aws ecs describe-clusters --cluster deepdive
```

(Optionally) Delete the EC2 instance

```
aws ec2 terminate-instances --instance-ids i-02914f86
```

- Do not delete it now unless you're experimenting on your own