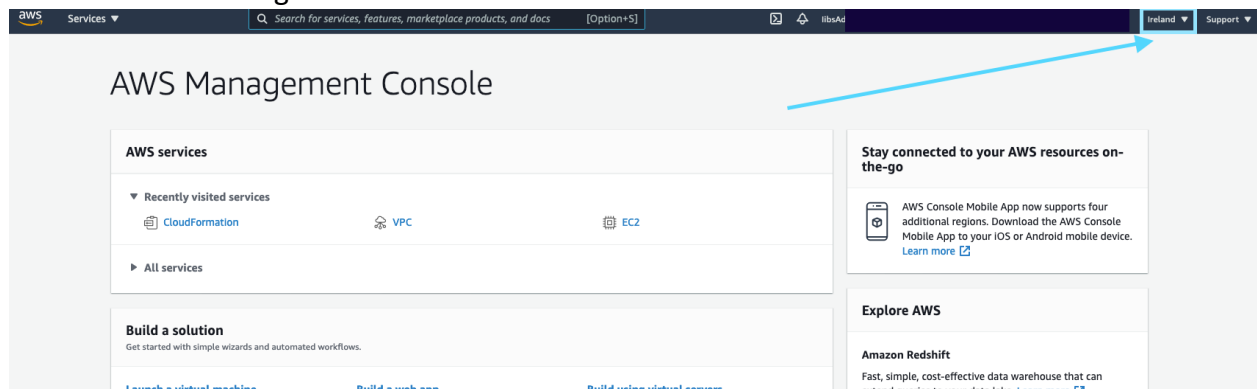


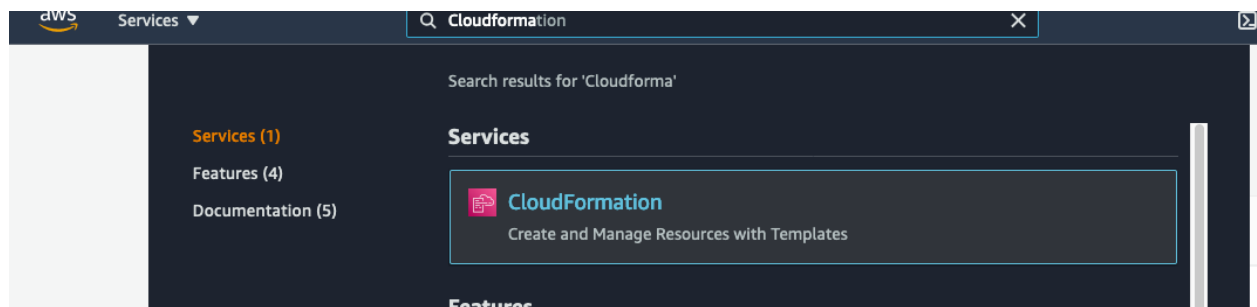
Environment Setup

1. Switch the region to eu-west-1 – Ireland

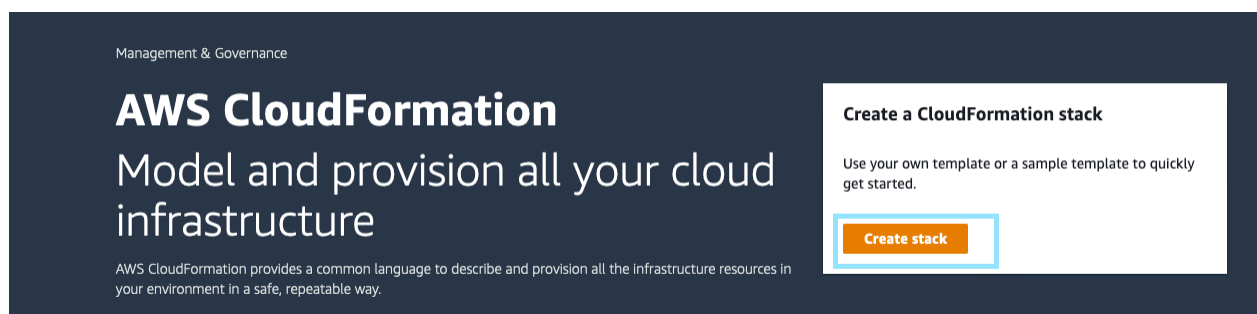


2. Download the CloudFormation template [here](#).

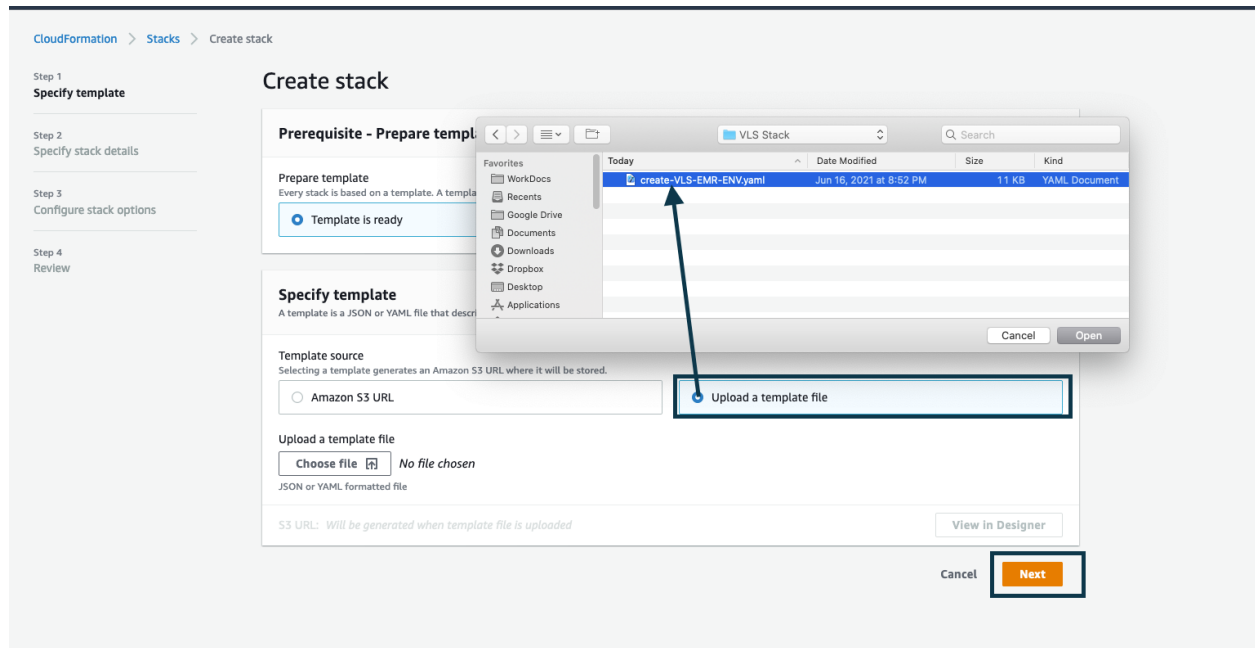
3. Search for CloudFormation the service list



4. Select “Create stack”



5. Select the template downloaded in step 2 above.



6. Provide a stack as below:

Specify stack details

Stack name

Stack name

Stack name can include letters (A-Z and a-z), numbers (0-9), and dashes (-).

Parameters

Parameters are defined in your template and allow you to input custom values when you create or update a stack.

EMRPrincipal

Ec2Principal

InstanceType

LatestAMId

Gets the latest AMI from Systems Manager Parameter store

ReleaseLabel

TerminationProtected

VLSDate

VPCCidr

Cancel

Previous

Next

7. Click Next

Configure stack options

Tags

You can specify tags (key-value pairs) to apply to resources in your stack. You can add up to 50 unique tags for each stack. [Learn more](#)

Permissions

Choose an IAM role to explicitly define how CloudFormation can create, modify, or delete resources in the stack. If you don't choose a role, CloudFormation uses permissions based on your user credentials. [Learn more](#)

IAM role - optional

Choose the IAM role for CloudFormation to use for all operations performed on the stack.

Advanced options

You can set additional options for your stack, like notification options and a stack policy. [Learn more](#)

► **Stack policy**

Defines the resources that you want to protect from unintentional updates during a stack update.

► **Rollback configuration**

Specify alarms for CloudFormation to monitor when creating and updating the stack. If the operation breaches an alarm threshold, CloudFormation rolls it back. [Learn more](#)

► **Notification options**

► **Stack creation options**

8. Acknowledge the creation of IAM Roles and create stack

► **Quick-create link**

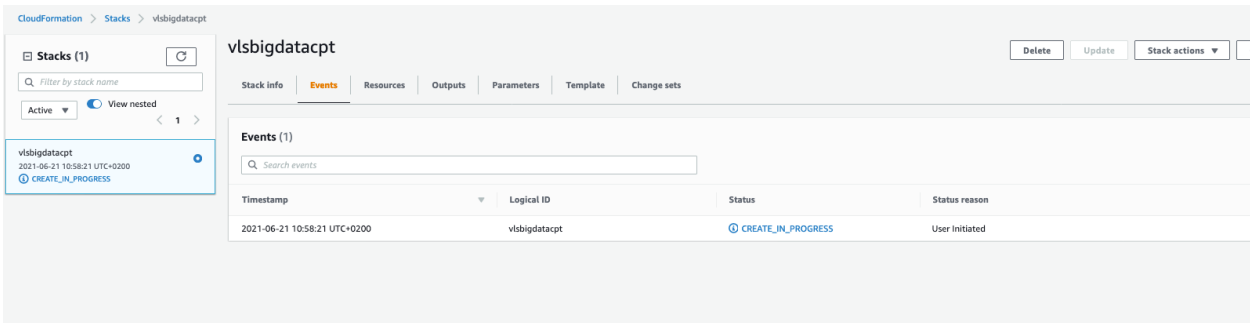
Capabilities

The following resource(s) require capabilities: [AWS::IAM::Role]

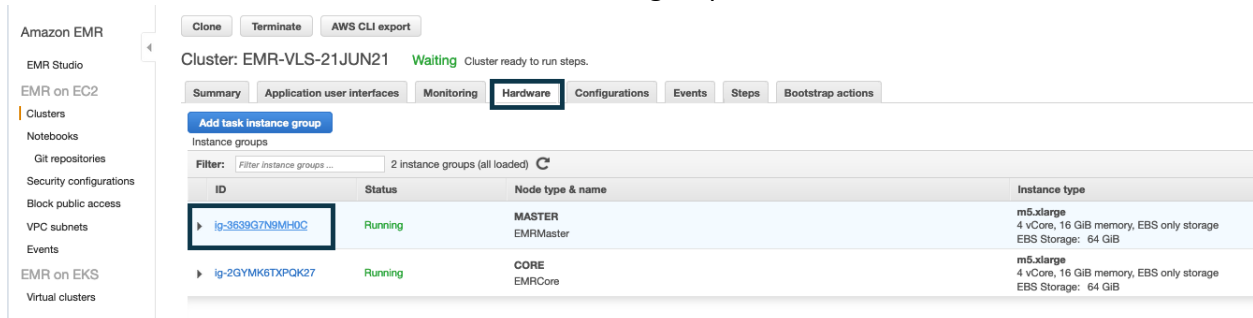
This template contains Identity and Access Management (IAM) resources. Check that you want to create each of these resources and that they have the minimum required permissions. In addition, they have custom names. Check that the custom names are unique within your AWS account. [Learn more](#)

☒ I acknowledge that AWS CloudFormation might create IAM resources with custom names.

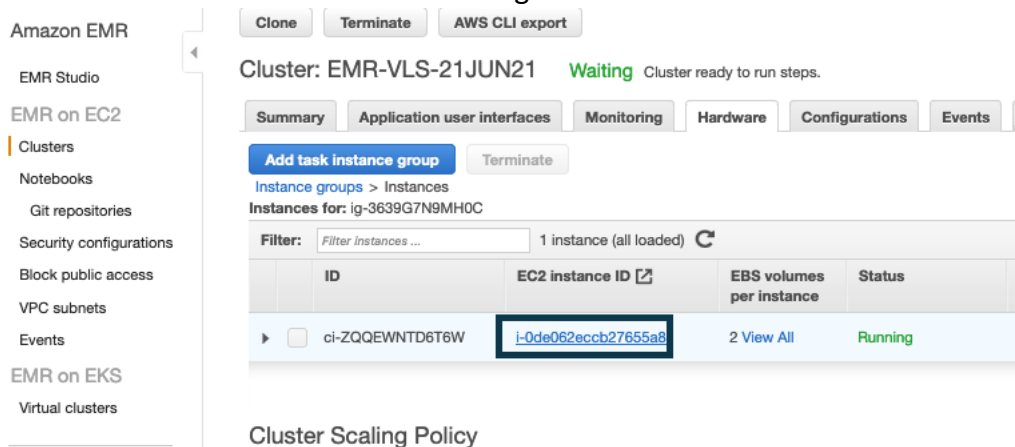
9. Environment creation is initiated



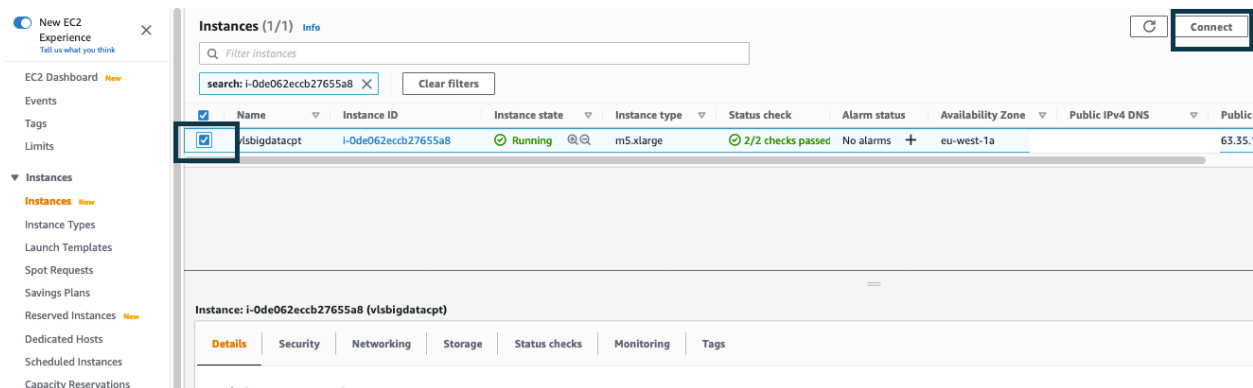
10. Search for EMR from the Service list and click on the Clusters>> Select your cluster>>Hardware tab>>Master Instance group:



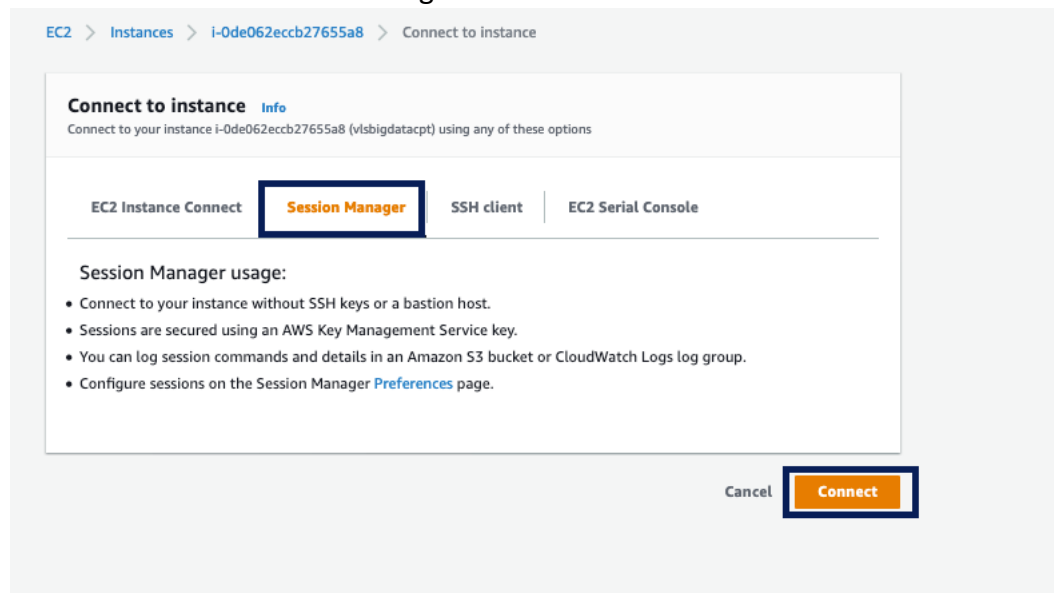
11. Click the master instance to navigate to the EC2 Console:



12. To connect to the instance, we use Session Manager. Click the check box and click connect:



13. Select the Session Manager tab and click connect:



14. Change user to Hadoop for EMR Cluster or ec-user for the ec2 instance as below.
Remember to directory so you can be in `/home/Hadoop` (EMR) or `/home/ec-user` (EC2)

```
sh-4.2$ sudo su hadoop
EEEEEEEEEEEEEEEEEEEE MMMMMMM MMMMMMM RRRRRRRRRRRRRRRR
E::::::::::::::::::::E M::::::::M M::::::::M R::::::::::::R
EE::::::::::::::::::E M::::::::M M::::::::M R::::RRRRRR::::R
  E::::E      EEEEE M::::::::M M::::::::M RR::::R      R::::R
  E::::E      M::::M M::::M M::::M M::::M R::::R      R::::R
  E::::E      M::::M M::::M M::::M M::::M R::::RRRRR::::R
  E::::E      M::::M M::::M M::::M M::::M R::::::::::::RR
  E::::E      M::::M M::::M M::::M M::::M R::::RRRRRR::::R
  E::::E      M::::M M::::M M::::M M::::M R::::R      R::::R
  E::::E      EEEEE M::::M      MMM M::::M R::::R      R::::R
EE::::::::::::::::::E M::::M      M::::M R::::R      R::::R
E::::::::::::::::::::E M::::M      M::::M RR::::R      R::::R
EEEEEEEEEEEEEEEEEEEE MMMMMMM MMMMMMM RRRRRRR      RRRRRR

[hadoop@ip-10-10-10-65 bin]$ pwd
/usr/bin
[hadoop@ip-10-10-10-65 bin]$ cd
[hadoop@ip-10-10-10-65 ~]$
```