



aws

Services

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N. Virginia

voclabs/user3070189-jmgomezp@eafit.edu.co @ 2631-7354-0036

▼ Networking - required Info

Choose the network settings that determine how you and other entities communicate with your cluster.

Virtual private cloud (VPC) Info

vpc-0c30a0fb28656f678

Browse

Create VPC

Subnet Info

subnet-0134057114852dd58

Browse

Create subnet

▼ EC2 security groups (firewall)

1 Change notice

We've updated the names of some security groups to use more inclusive language. For example, groups that included terms like "master" and "slave" now use the terms "primary" and "core" instead.

Primary node

EMR-managed security group

EMR will automatically update the selected group.

ElasticMapReduce-Primary

sg-0ce7671dc959db6b5

Additional security groups - optional

Select up to 4 additional security groups.

Choose additional security groups

Core and task nodes

EMR-managed security group

EMR will automatically update the selected group.

ElasticMapReduce-Core

sg-009662d00727a638b

Additional security groups - optional

Select up to 4 additional security groups.

Choose additional security groups

► Steps (0) Info

Use commands and scripts to tell your cluster where to find and how to process your data. Steps run consecutively unless you enable the Concurrency option.

Remove

Edit

Add

Summary Info

Name and applications - required

Name

BigData2

Amazon EMR release

emr-7.3.0

Application bundle

Custom (HCatalog 3.1.3, Hadoop 3.3.6, Hive 3.1.3, Hue 4.11.0, JupyterEnterpriseGateway 2...)

Cluster configuration - required

Uniform instance groups

Primary (m5.xlarge), Core (m5.xlarge), Task (m5.xlarge)

Cluster scaling and provisioning - required

Provisioning configuration

Core size: 1 instance

Task size: 1 instance

Cancel

Clone cluster

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▼ Software settings Info

Override the default configurations for specific applications on your cluster.

Enter configuration

Load JSON from Amazon S3

1 {

2 {

3 "Classification": "jupyter-s3-conf",

4 "Properties": {

5 "s3.persistance.bucket": "big-data-telematica",

6 "s3.persistance.enabled": "true"

7 }

8 }

9 }

JSON Ln 9, Col 2 0 0

▼ Security configuration and EC2 key pair Info

Choose a security configuration or create a new one that you can reuse with other clusters.

Summary Info

Name and applications - required

Name

BigData2

Amazon EMR release

emr-7.3.0

Application bundle

Custom (HCatalog 3.1.3, Hadoop 3.3.6, Hive 3.1.3, Hue 4.11.0, JupyterEnterpriseGateway 2...)

Cluster configuration - required

Uniform instance groups

Primary (m5.xlarge), Core (m5.xlarge), Task (m5.xlarge)

Cluster scaling and provisioning - required

Provisioning configuration

Core size: 1 instance

Task size: 1 instance

Cancel

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Choose or create a service role and instance profile for the EC2 instances in your cluster.

Amazon EMR service role [Info](#)

The service role is an IAM role that Amazon EMR assumes to provision resources and perform service-level actions with other AWS services.

☒ Choose an existing service role  
Select a default service role or a custom role with IAM policies attached so that your cluster can interact with other AWS services.

☐ Create a service role  
Let Amazon EMR create a new service role so that you can grant and restrict access to resources in other AWS services.

Service role

EMR\_DefaultRole

EC2 Instance profile for Amazon EMR

The instance profile assigns a role to every EC2 instance in a cluster. The instance profile must specify a role that can access the resources for your steps and bootstrap actions.

☒ Choose an existing instance profile  
Select a default role or a custom instance profile with IAM policies attached so that your cluster can interact with your resources in Amazon S3.

☐ Create an instance profile  
Let Amazon EMR create a new instance profile so that you can specify a custom set of resources for it to access in Amazon S3.

Instance profile

EMR\_EC2\_DefaultRole

Custom automatic scaling role - optional

When a custom automatic scaling rule triggers, Amazon EMR assumes this role to add and terminate EC2 instances. [Learn more](#)

Custom automatic scaling role

EMR\_AutoScaling\_DefaultRole

Create IAM role

Summary [Info](#)

Name

BigData2

Amazon EMR release

emr-7.3.0

Application bundle

Custom (HCatalog 3.1.3, Hadoop 3.3.6, Hive 3.1.3, Hue 4.11.0, JupyterEnterpriseGateway 2...)

Cluster configuration - required

Uniform instance groups  
Primary (m5.xlarge), Core (m5.xlarge), Task (m5.xlarge)

Cluster scaling and provisioning - required

Provisioning configuration  
Core size: 1 instance  
Task size: 1 instance

Cancel

Clone cluster

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