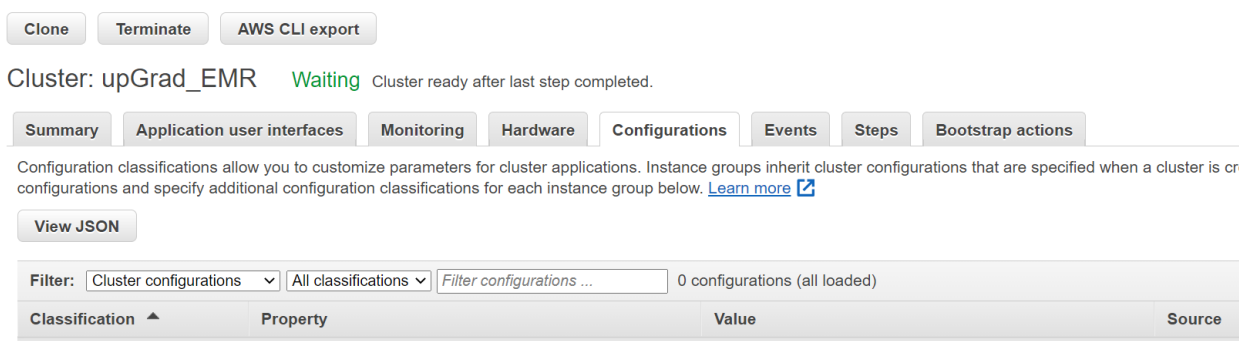


# Amazon EMR YARN Configuration

This document contains the steps to set up the YARN configuration parameters for your Amazon EMR cluster. After you have created your EMR cluster, you can perform these following steps.

1. Click on the **Configurations** tab, and you will see the following screen.



Buttons: Clone, Terminate, AWS CLI export

Cluster: upGrad\_EMR Waiting Cluster ready after last step completed.

Tabs: Summary, Application user interfaces, Monitoring, Hardware, **Configurations**, Events, Steps, Bootstrap actions

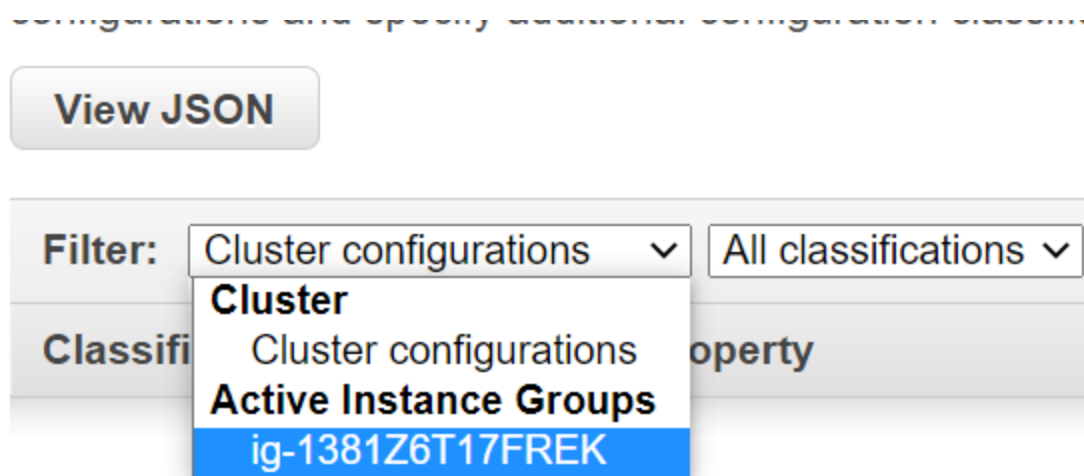
Configuration classifications allow you to customize parameters for cluster applications. Instance groups inherit cluster configurations that are specified when a cluster is created and specify additional configuration classifications for each instance group below. [Learn more](#)

View JSON

Filter: Cluster configurations ▾ All classifications ▾ Filter configurations ... 0 configurations (all loaded)

| Classification ▲ | Property | Value | Source |
|------------------|----------|-------|--------|
|------------------|----------|-------|--------|

2. You now need to click on the drop-down list, and then select the **Active Instance Groups** as shown in the image below.



View JSON

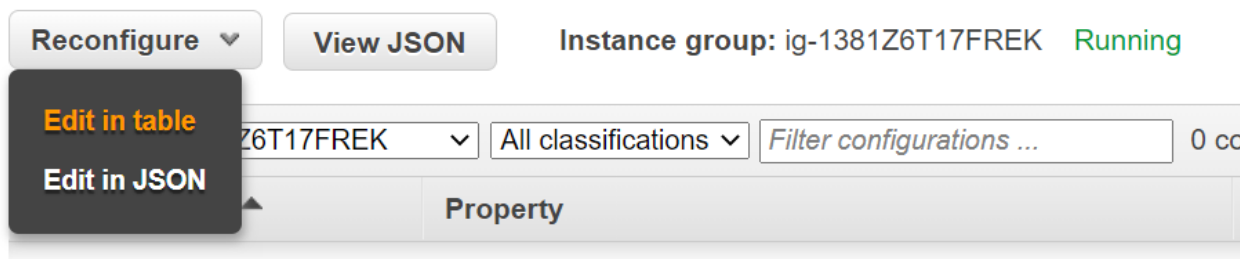
Filter: Cluster configurations ▾ All classifications ▾

Cluster configurations dropdown menu:

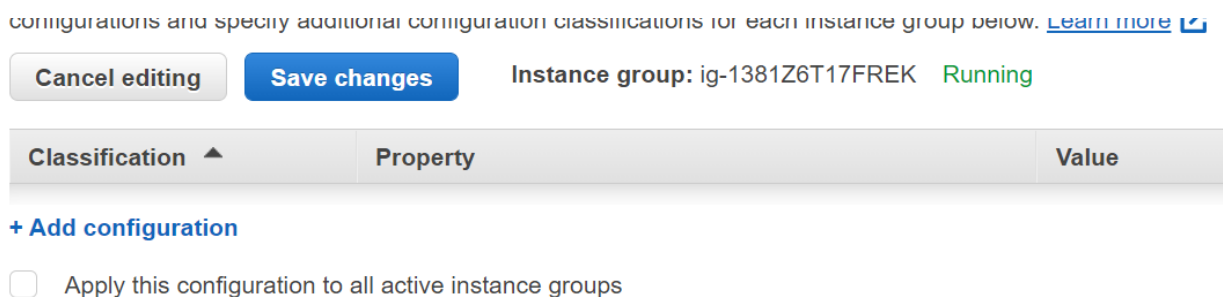
- Cluster
- Cluster configurations
- Active Instance Groups**
- ig-1381Z6T17FREK

Classification: Property

- Next, you will see the following screen. Now, you need to click on the **Reconfigure** button, and then select the **Edit in table** option.



- Thereafter, the following screen will appear. Here, you will need to click on the **Add configuration** button.



- On the following screen you will have to add the YARN parameters, as shown in the table below.

| Classification | Property                             | Value |
|----------------|--------------------------------------|-------|
| yarn-site      | yarn.scheduler.maximum-allocation-mb | 8192  |
| yarn-site      | yarn.nodemanager.resource.memory-mb  | 10240 |

Now, you will need to enter the above parameters as follows. For the second parameter, just click on the **Add configuration** button.

Cancel editing **Save changes** Instance group: ig-1381Z6T17FREK Running

| Classification ^ | Property                             | Value |
|------------------|--------------------------------------|-------|
| yarn-site        | yarn.scheduler.maximum-allocation-mb | 8192  |

[+ Add configuration](#)

- After you have added both the parameter configurations, click on the **Save changes** button.

Configuration classifications allow you to customize parameters for cluster applications. Instance groups inherit cluster configurations that are specified when a cluster is created and specify additional configuration classifications for each instance group below. [Learn more](#)

Cancel editing **Save changes** Instance group: ig-1381Z6T17FREK Running

| Classification ^ | Property                             | Value |
|------------------|--------------------------------------|-------|
| yarn-site        | yarn.scheduler.maximum-allocation-mb | 8192  |
| yarn-site        | yarn.nodemanager.resource.memory-mb  | 10240 |

[+ Add configuration](#)

☐ Apply this configuration to all active instance groups

- You will now see the status of the EMR cluster using these YARN parameter configurations, as shown in the image below. This will take around 5-7 minutes.

Configuration classifications allow you to customize parameters for cluster applications. Instance groups inherit cluster configurations that are specified when a cluster is created. With EMR 5.21 configurations and specify additional configuration classifications for each instance group below. [Learn more](#)

Reconfigure View JSON Instance group: ig-1381Z6T17FREK Running (Showing requested configurations)

Filter: ig-1381Z6T17FREK All classifications Filter configurations ... 2 configurations (all loaded)

| Classification ^ | Property                             | Value | Source                       |
|------------------|--------------------------------------|-------|------------------------------|
| yarn-site        | yarn.scheduler.maximum-allocation-mb | 8192  | Instance Group configuration |
| yarn-site        | yarn.nodemanager.resource.memory-mb  | 10240 | Instance Group configuration |

- Thereafter, you will see the status of the EMR cluster has been updated with these YARN parameter configurations. This will take around 5-7 minutes. Eventually, you will see the following status as shown in the image below. You can now login to your EMR cluster.

**Instance group: ig-1381Z6T17FREK** Running Reconfiguration is successfully completed