**Disabling the Firewall**

To disable the firewall on each host in your cluster, perform the following steps on each host.

1. Save the existing iptables rule set.
   * iptables-save > /root/firewall.rules

2- Disable iptables.

* service ufw stop

**Balancer**

*HDFS Balancer* is a tool for balancing the data across the storage devices of a HDFS cluster.

* Free up the spaces from some nearly full datanodes.
* Move data to some newly added datanodes in order to utilize the new machines.
* Run Balancer when the cluster load is low or in a maintenance window, instead of running it as a background daemon.

1. Go to the HDFS service.
2. Click the **Configuration** tab.
3. Select **Scope** > **Balancer**.
4. Select **Category** > **Main**.
5. Set the **Rebalancing Threshold** property.

If more than one role group applies to this configuration, edit the value for the appropriate role group. See [Modifying Configuration Properties Using Cloudera Manager](https://www.cloudera.com/documentation/enterprise/5-7-x/topics/cm_mc_mod_configs.html#cmug_topic_5_3).

1. Click **Save Changes** to commit the changes.

**Running the Balancer**

1. Go to the HDFS service.
2. Ensure the service has a Balancer role.
3. Select **Actions** > **Rebalance**.
4. Click **Rebalance** to confirm. If you see a **Finished** status, the Balancer ran successfully.
5. Using CLI

sudo -u hdfs hdfs balancer

sudo -u hdfs hdfs balancer -threshold 5