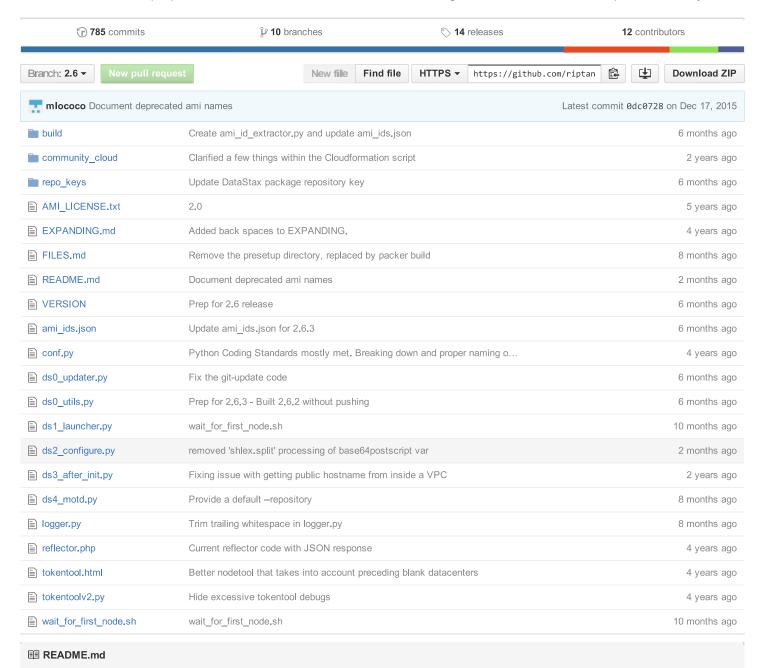


The AMI takes a set of input parameters via the EC2 user-data to install, RAID, ring, and launch a DataStax Enterprise/Community cluster.



### **Summary**

DataStax's Amazon Machine Image a quick way to test a DataStax Community or DataStax Enterprise cluster on EC2.

#### Quickstart

- 1. Log into the AWS console with your web browser
- 2. Select the EC2 service
- 3. Find the ami-id's for your region. Note that the AMI with the name of "DataStax Auto-Clustering AMI" that has no version number specified is from the 2.4 series and is deprecated. Select an ami-id from from the list in this repo to ensure you're getting the latest fixes.
- 4. "Launch Instance" -> Community AMI's -> Search for your ami-id -> "Select"
- 5. Select an instance type (m3.medium is good for low-throughput testing)
- 6. "Next: Configure Instance Details" -> "Advanced Details" -> add "User Data" of "-clustername test-cluster --totalnodes 1 --version community"
- 7. "Review and Launch" -> "Launch" -> Select keypair
- 8. SSH to your new cassandra cluster and run nodetool status

If you frequently launch scratch clusters, you may be interested in cassandralauncher

For detailed instructions on launching, visit http://docs.datastax.com/en/latest-dsc-ami

## **Options**

#### **Basic AMI Switches:**

```
--clustername <name>
The name of the Cassandra cluster
REQUIRED

--totalnodes <#>
Cluster size
REQUIRED

--version [ community | enterprise ]
Installs either DataStax Enterprise or
DataStax Community Edition
REQUIRED

--rpcbinding
Binds the rpc_address to the private IP
address of the instance
Default: false, uses 0.0.0.0
```

### **DataStax Enterprise Specific:**

```
--username <user>
    The username provided during DSE registration
    --password is REQUIRED in order to use this option
    REQUIRED for a DSE installation

--password <pass>
    The password provided during DSE registration
    --username is REQUIRED in order to use this option
    REQUIRED for a DSE installation

--analyticsnodes <#>
    Number of analytics nodes that run with Spark
    Note: Uses Hadoop in versions earlier than DSE 4.5
    Default: 0
```

```
--searchnodes <#>
Number of search nodes that run with Solr
Default: 0

--hadoop
Force Hadoop over Spark on analytics nodes
Default: false, uses Spark on 4.5+
```

#### **Advanced:**

```
--release <release_version>
   Allows for the installation of a previous DSE version
   Example: 1.0.2
   Default: Ignored
--cfsreplicationfactor <#>
   The CFS replication factor
   Note: --cfsreplicationfactor must be <= --analyticsnodes
   Default: 1
--opscenter no
   Disables the installation of OpsCenter on the cluster
   Default: yes
--reflector <url>
   Allows you to use your own reflector
   Default: http://reflector2.datastax.com/reflector2.php
--repository <repository>
   Allows you to set a custom repository to pull configuration files from
   Default: none, falls back to repository used to create the AMI
   Examples: https://github.com/riptano/ComboAMI#2.5
             https://github.com/riptano/ComboAMI#e5e3d41fb5f12461509aa1b6079413b381930d81
--postscript_url <url>
   Allows you to download and execute a post install custom script
   Default: none
--base64postscript <base64_encoded_commands>
   Allows you to specify a list of base64 encoded semi-colon/newline separated commands to be executed post installa
   Example: ZWNobyAtbiAiY2FzcyI7IGVjaG8gLW4gImFuZHJhIg== (echo -n "cass"; echo -n "andra")
            c3VkbyBhcHQtZ2V0IGluc3RhbGwgY29sbGVjdGQ= (sudo apt-get install collectd)
```

## **Security Groups**

For information on setting up security groups, see the Datastax Documentation

# Contributing

Pull requests are welcome. Consider creating an issue to discus the feature before doing the development work, or just fork and create a PR based off the dev-2.6 branch.