Install and Configure OpsCenter for C3

OpsCenter is a user interface for managing and monitoring Cassandra. These administration tasks include adding and expanding clusters, configuring nodes, viewing performance statistics, fixing issues, and monitoring the health of the cluster.

# Install OpsCenter from the Debian package

Use the following procedure to install DataStax OpsCenter using APT repositories on Debian distributions. The OpsCenter Debian packaged releases runs as a service from root. The service initialization script is located in /etc/init.d.

If the OpsCenter machine reboots, OpsCenter restarts automatically. To disable restart upon reboot:

$ sudo update-rc.d opscenterd disable

## Prerequisites

Minimum hardware requirements for the machine on which OpsCenter runs:

* 2 CPU cores
* 2 GB of RAM available to OpsCenter

Permission and software requirements:

* APT Package Manager is installed
* JRE or JDK (recommended) is only required if HTTPS or opscenterd/agent SSL is enabled (disabled by default)
* Use a recent version of one of the major web browsers (do not use Internet Explorer or Microsoft Edge)
* Python 2.6+

## Installation

1. Modify the aptitude repository source list file (/etc/apt/sources.list.d/datastax.community.list).

$ echo "deb http://debian.datastax.com/community stable main" | sudo tee -a /etc/apt/sources.list.d/datastax.community.list

1. Add the DataStax repository key to your aptitude trusted keys:

$ curl –L https://debian.datastax.com/debian/repo\_key | sudo apt-key add -

If you have trouble adding the key, use http instead of https.

1. Install the OpsCenter package using the APT Package Manager:

$ sudo apt-get update

$ sudo apt-get install opscenter

### Start OpsCenter

1. Run the following command to start OpsCenter.

$ sudo service opscenterd start

1. Connect to OpsCenter in a web browser using the following URL. Replace <*opscenterhost*> with the actual hostname or IP address of the node on which you installed OpsCenter.

http://<*opscenterhost*>:8888/

### Verify OpsCenter

* To verify that OpsCenter is running, execute the following command.

ps –ef | grep –I opscenter

### Stop Opscenter

* Run the following command to stop OpsCenter.

service opscenterd stop

Alternatively, stop the process:

$ ps -ef | grep opscenter

$ sudo kill pid

## References

For additional information about DataStax agents, refer to the DataStax website: <http://docs.datastax.com/en/opscenter/5.2/>.