

nodetool status

Provide information about the cluster, such as the state, load, and IDs.

✓ Synopsis

```
nodetool <options> status ( -r | --resolve-ip ) -- <keyspace>
```

DataStax Enterprise 5.0 Installer No-Services and tarball installations:

```
installation_location/resources/cassandra/bin
```

✓ Options

Short	Long	Description
-h	--host	Hostname or IP address.
-p	--port	Port number.
-pwf	--password-file	Password file path.
-pw	--password	Password.
-u	--username	Remote JMX agent username.
-r	--resolve-ip	Show node names instead of IP addresses.
<i>keyspace</i>	Name of keyspace.	
--	Separates an option from an argument that could be mistaken for a option.	

✓ Description

The status command provides the following information:

- Status - U (up) or D (down)
Indicates whether the node is functioning or not.
- State - N (normal), L (leaving), J (joining), M (moving)
The state of the node in relation to the cluster.
- Address
The node's URL.

- Load - updates every 90 seconds

The amount of file system data under the cassandra data directory after excluding all content in the snapshots subdirectories. Because all SSTable data files are included, any data that is not cleaned up, such as TTL-expired cell or tombstoned data) is counted.

- Tokens

The number of tokens set for the node.

- Owns

The percentage of the data owned by the node per datacenter times the replication factor. For example, a node can own 33% of the ring, but show 100% if the replication factor is 3.

Attention: If your cluster uses keyspaces having different replication strategies or replication factors, specify a keyspace when you run `nodetool status` to get meaningful ownership information.

- Host ID

The network ID of the node.

- Rack

The rack or, in the case of Amazon EC2, the availability zone of the node.

Example

This example shows the output from running `nodetool status`.

```
nodetool status mykeyspace
```

```
Datacenter: datacenter1
```

```
=====
```

```
Status=Up/Down
```

```
|/ State=Normal/Leaving/Joining/Moving
```

--	Address	Load	Tokens	Owns	Host ID	Rack
UN	127.0.0.1	47.66 KB	1	33.3%	aaa1b7c1-6049-4a08-ad3e-3697a0e30e10	rack1
UN	127.0.0.2	47.67 KB	1	33.3%	1848c369-4306-4874-afdf-5c1e95b8732e	rack1
UN	127.0.0.3	47.67 KB	1	33.3%	49578bf1-728f-438d-b1c1-d8dd644b6f7f	rack1