

# Configure GARB - MariaDB - CentOS 7

Garbd or Galera Arbitrator Daemon is installed by default with [MariaDB Galera Cluster](#).

First lets start it manually via the CLI and confirm it's working, then configure the config file and check it works at boot.

Note: For CentOS 7 you can NOT specify a log file in the config, this took me a while to figure out, as you can specify a log file via the CLI. Don't ask me why.

- Also note, the `wsrep_cluster_size` will be 0 on garbd, this is normal, if you want to check, use other nodes in cluster

[https://www.percona.com/doc/percona-xtradb-cluster/LATEST/howtos/garbd\\_howto.html](https://www.percona.com/doc/percona-xtradb-cluster/LATEST/howtos/garbd_howto.html)

**Example start from CLI:**

```
garbd -a gcomm://10.1.1.255:4567 -g sql_cluster -l /var/log/garbd.log -d && tail -f /var/log/garbd.log
```

**On another node, check for cluster size, should increase by 1:**

```
mysql -u root -p -e "SHOW STATUS LIKE 'wsrep_cluster_size'"
```

**Configure auto start @ boot:**

```
cat << 'EOL' >/etc/sysconfig/garb
# Copyright (C) 2012 Codership Oy
# This config file is to be sourced by garb service script.

# A comma-separated list of node addresses (address[:port]) in the cluster
GALERA_NODES="10.1.1.255:4567,10.1.1.256:4567"

# Galera cluster name, should be the same as on the rest of the nodes.
GALERA_GROUP="sql_cluster"

# Optional Galera internal options string (e.g. SSL settings)
# see http://galeracluster.com/documentation-webpages/galeraparameters.html
# GALERA_OPTIONS=""

# Log file for garbd. Optional, by default logs to syslog
# Deprecated for CentOS7, use journalctl to query the log for garbd
# LOG_FILE="/var/log/garbd.log"
EOL
systemctl restart garb
systemctl enable garb.service
systemctl status garb
mysql -u root -p -e "SHOW STATUS LIKE 'wsrep_cluster_size'"
```

Now Reboot and check cluster size again, confirming it joined the cluster on boot.