

## **Creating a database from the command line**

# Contents

Creating a database from the command line.....3

## Creating a database from the command line

---

This topic describes how to create a database instance from the command line.

1. Log in to the installer node for your Helion OpenStack environment and source the service.osrc file:

```
. service.osrc
```

2. Use the `trove create` command to create the new database. The syntax is as follows:

```
trove create <name> <flavor>

[--size <size>]: Size of the new database in gigabytes
[--databases <databases> [<databases> ...]]: The names of one or more databases to be
created on the new instance.
[--users <users> [<users> ...]] [--backup <backup>]: Users to be created on the
instance.
[--availability_zone <availability_zone>]: The OpenStack availability zone in which to
create the new instance
[--datastore <datastore>]: The architecture to use for the new datastore (MySQL, Redis, etc.). The
default is MySQL. To list valid values, enter trove datastore-list
[--datastore_version <datastore_version>]: The database version. To list valid values, enter
trove datastore-version-list <datastore>
[--nic <net-id=net-uuid,v4-fixed-ip=ip-addr,port-id=port-uuid>]: The OpenStack
network on which to create the new instance.
[--configuration <configuration>]: The configuration group to which to add the new instance.
Configuration groups can be applied after instance creation using trove configuration-attach
[--replica_of <source_instance>] [--replica_count <count>]
```

### Example 1: Create a single MySQL instance

The following command creates a single (non-clustered) MySQL instance called **MyInstance** with flavor **m1.medium**, allocating 3 GB of space (the MySQL datastore is the default):

```
trove create MyInstance 3 --size 3
```

### Example 2: Create a MongoDB instance

The following command creates a single or clustered MongoDB instance called **MyMongoDBInstance** with flavor **m1.large**, allocating 5 GB of space, creating a database called **MyMongoDatabase**, and a user called Admin with password **password**:

```
trove create MyMongoDBInstance 4 --datastore mongodb --size 5 --
databases MyMongoDatabase --users admin:password
```

### Example 3: Create a Redis instance

The following command creates a single or clustered Redis instance called **MyRedisInstance** with flavor **m1.small**, allocating 1 GB of space.

```
trove create MyRedisInstance 2 --datastore redis --size 1
```

To view created instances, use the `trove list` command:

TODO: Screenshot