Flush data

The **FLUSHALL** command provides a fast way to remove all data from a database. To use it, connect your database and then issue the command. There are several ways to do this, depending on your circumstances and environment.

### Note:
- When you *flush* a database, you remove all data. This is a prerequisite to deleting a database.
- This *permanently* removes all data from the database. The data cannot be recovered, except by restoring from earlier backups.
- We strongly recommend backing up databases before flushing them.

### The Redis-CLI utility

To use the **redis-cli** utility:

```
redis-cli -h <hostname> -p <portnumber> -a <password> flushall
```

Example:

```
redis-cli -h redis-12345.server.cloud.redislabs.example.com -p 12345 -a xyz flushall
```

### The netcat utility

If you have shell access to the server hosting your database, you can use the **netcat** (nc) to send the `flush_all` command to your database:

```
echo "flush_all" | nc redis-12345.server.cloud.redislabs.example.com 12345
```

### RedisInsight CLI

If you've installed **RedisInsight** and added your database, you can use the RedisInsight command-line interface (CLI) to issue commands:

1. Start RedisInsight and connect to your database.
2. From the RedisInsight menu, select **CLI** and wait for the client to connect to your database.
3. In the command area, enter `flushall` and then press *Enter*. 
The 'OK' response indicates that the command executed properly.

**SASL connection**

If you do not have permission to access the command shell of the server hosting your database or are unable to use RedisInsight, but you have connection credentials and your database supports **Simple Authentication and Security Layer** connections, you can use an SASL-enabled command-line client.

For example, suppose you’re using Memcached Enterprise Cloud and that your database has SASL enabled. In this case, you can use the `bmemcached-CLI` client to connect and issue commands to your database.

Setup instructions vary according to the environment. Many Linux systems, such as Ubuntu, follow this process:

```
$ wget https://github.com/RedisLabs/bmemcached-cli/archive/master.zip
$ sudo apt-get install unzip python-pip
$ unzip master.zip -d bmemcached-cli
$ cd bmemcached-cli/bmemcached-cli-master/
$ sudo pip install --upgrade pip
$ sudo pip install . -r requirements.pip
```

Adjust as needed for your operating system and configuration.

When the client is properly installed, you can use it to run the `flush_all` command:

```
bmemcached-cli [user]:[password]@[host]:[port]
```

Here’s an example:

```
$ bmemcached-cli username:password@redis-12345.server.cloud.redislabs.example.com:12345
([B]membcached) flush_all
True
exit
```

*Updated:* July 30, 2021