Create and manage databases

You can use the Redis Enterprise Cloud REST API to create databases.

These examples use the cURL utility; you can use any REST client to work with the Redis Cloud REST API.

Create a database

To create a database, use

```
POST /subscriptions/{subscription-id}/databases
```

The database is created in an existing or a newly created subscription.

When a subscription is created, it is created with at least one database.

You can add databases to the subscription; you can also update or delete existing databases.

Creating a database is an asynchronous operation.

The following Linux shell script sends a POST /subscriptions/{subscription-id}/databases and waits for a cloud account ID. When the cloud account ID is received, the processing phase is complete and the provisioning phase starts.

Prerequisites

- These example require jq, a JSON parser.
  
  Use your package manager to install it (Example: sudo apt install jq)
- Define the expected variables needed to use the API:

```
export HOST=api.redislabs.com/v1
export ACCOUNT_KEY={replace-with-your-account-key}
export SECRET_KEY={replace-with-your-secret-key}
export SUBSCRIPTION_ID={subscription-id}
```

Database JSON body

The created database is defined by a JSON document that is sent as the body of the API request.

In the example below, that JSON document is stored in the create-database-basic.json file:

```
{
   "name": "Database-example-basic",
   "memoryLimitInGb": 10,
   "password": "P@ssw0rd"
}
```

The JSON body contains only the most basic, required parameters in order to create a database:

- Database name - A unique name per subscription that can contain only alphanumeric characters and hyphens
- Maximum database size in GB
Database password

Database creation script

You can run the **create database** script from the command line with:
```
bash path/script-name.sh
```

Below is the sample script that you can use as a reference to call the API operation to create a database.

```
curl -s -X POST "https://$HOST/subscriptions/$SUBSCRIPTION_ID/databases" \
   --header "Content-Type: application/json" \
   -H "accept: application/json" \
   -H "x-api-key: $ACCOUNT_KEY" \
   -H "x-api-secret-key: $SECRET_KEY" \
   --data-binary "@./static/code/rv/api/create-database-basic.json" \
   | jq -r .
```

Additional database parameters

There are many additional parameters and settings that can be defined on database creation:

- Review the database parameters and options in the [Swagger OpenAPI documentation](#).
- Select POST **Create database**.
- Under **Database definition**, click on the **Model** options.