Redis Enterprise Backup Export Script Documentation

# Overview

This script automates the process of exporting backups from Redis Enterprise databases. It reads cluster connection parameters from a CSV configuration file, fetches database information, and triggers an export using Redis Enterprise REST APIs.

# CSV Configuration Format

The CSV file should contain the following key-value pairs in a single line:

|  |  |
| --- | --- |
| Key | Description |
| clname | Cluster name (informational) |
| port | Port to access the Redis Enterprise API (usually 9443) |
| host | Hostname or IP of the Redis Enterprise Cluster |
| cluser | Username to authenticate to Redis Enterprise |
| clpass | Base64-encoded password for the user |
| cldesc | Cluster description (informational) |
| backup\_location | Local path for storing the backup export |

# Script Usage

Run the script as the redislabs user with the following command:

sudo -u redislabs python3 file.py --config-file cluster.csv --dbname <dbname>

# Script Functionality

1. Parses the provided CSV configuration file.

2. Decodes the base64-encoded password.

3. Sets necessary environment variables.

4. Retrieves the list of databases from Redis Enterprise.

5. Finds the UID of the specified database name.

6. Creates a timestamped local directory for backup.

7. Sends a POST request to export the database backup.