Connecting with Python

This guide explains how to connect a Python application to a Redis database using the [redis](#) library. It walks through the required setup, configuration, and execution of a simple Redis command.

Variables

To connect to Redis, the following parameters are needed. You can find these values in the Elestio Redis service overview.

Variable	Description	Purpose
`HOST`	Redis hostname (from Elestio service overview)	Address of the Redis server.
`PORT`	Redis port (from Elestio service overview)	Port used to connect to Redis. The default is 6379.
`PASSWORD`	Redis password (from Elestio service overview)	Authentication credential for the Redis connection.

These values can usually be found in the Elestio service overview details as shown in the image below, make sure to take a copy of these details and add it to the code moving ahead.

Prerequisites

Install Python and pip

- Check if Python is installed by running:

```
python3 --version
```

- If not installed, download and install it from python.org.
- Check pip (Python package installer):

```
pip --version
```

Install the redis Package

Install the official redis library using pip:

```
pip install redis
```

Code

Create a file named `redis.py` and paste the following code:

```python
import redis

config = {
    "host": "HOST",
    "port": PORT,  # Example: 6379
    "password": "PASSWORD",
    "decode_responses": True
}

try:
    client = redis.Redis(**config)
    client.set("testKey", "Hello Redis")
    value = client.get("testKey")
    print("Connected to Redis")
    print("Retrieved value:", value)

except redis.RedisError as err:
    print("Redis connection or operation failed:", err)
```

To execute the script, open the terminal or command prompt and navigate to the directory where `redis.py` is located. Once in the correct directory, run the script with the command:

```
python3 redis.py
```

If everything is set up correctly, the output will be:

```
Connected to Redis
Retrieved value: Hello Redis
```

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