NANYANG TECHNOLOGICAL UNIVERSITY SINGAPORE

NTU Academy for Professional and Continuing Education

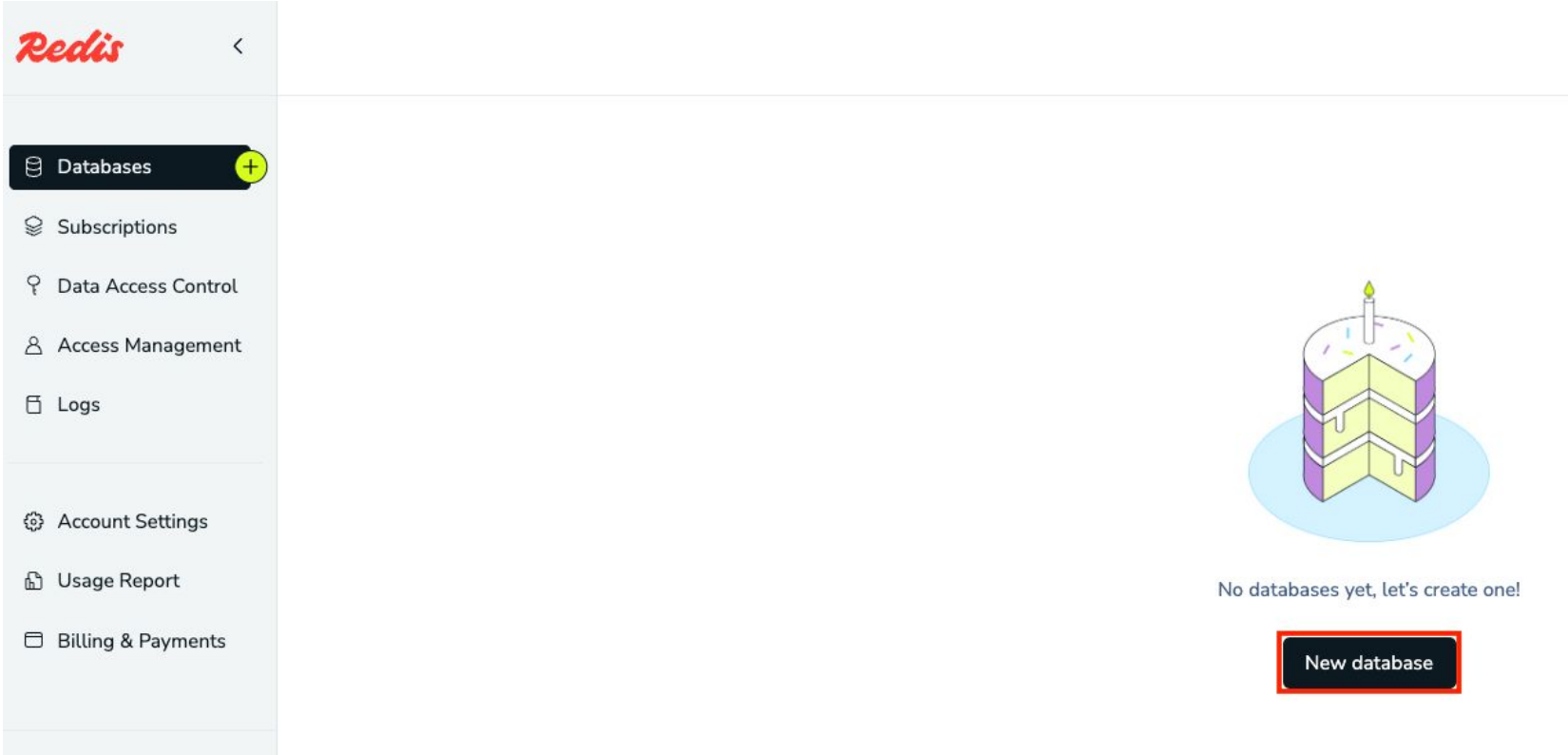
(SCTP) Advanced Professional Certificate

Data Science and AI

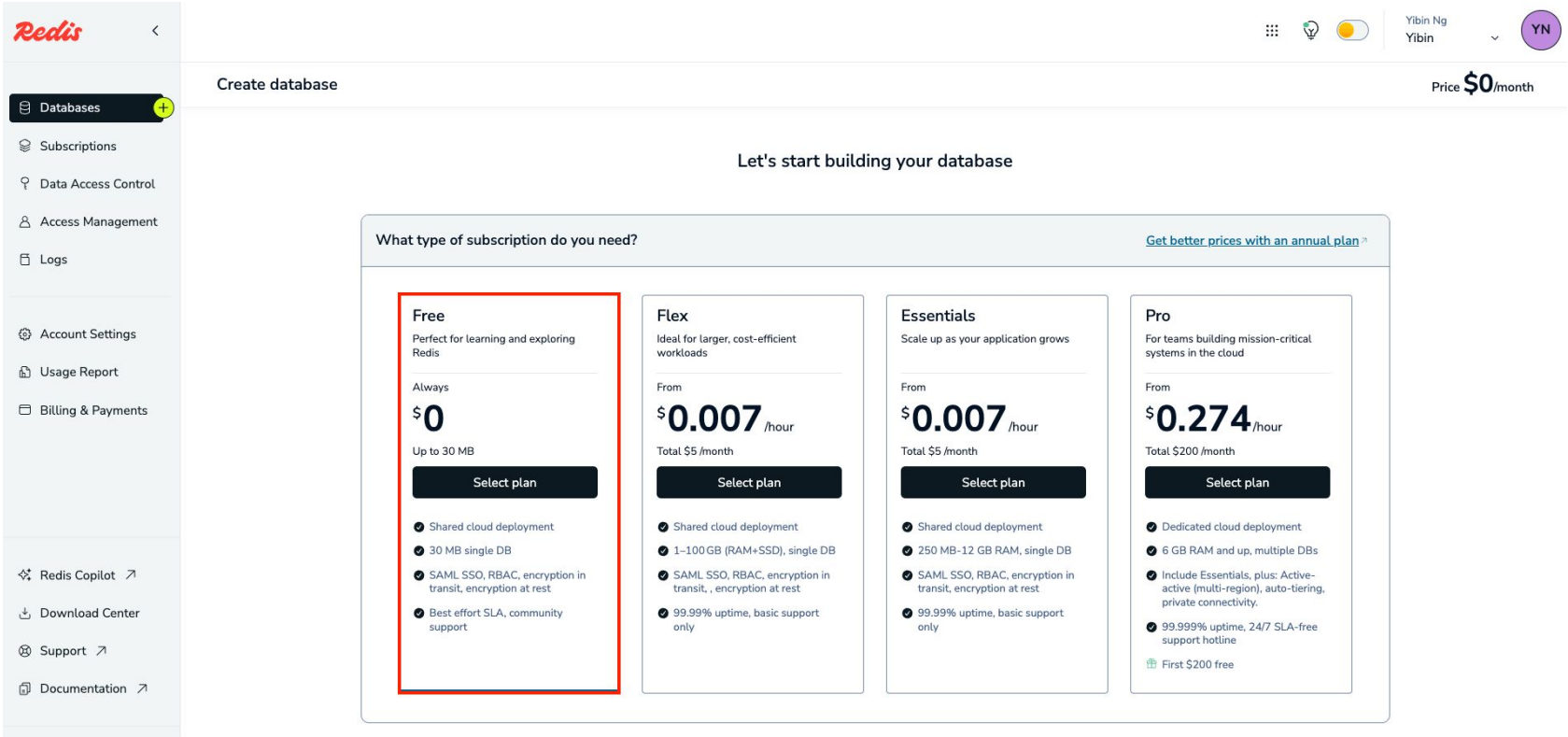
Introduction

- Redis is an in-memory data structure store used as a database, cache, and message broker. It supports various data structures including strings, hashes, lists, sets, sorted sets, bitmaps, hyperloglogs, and geospatial indexes.
- We will connect to a Redis database hosted on Redis Labs, a cloud database service.
- To begin, create an account on the Redis website (https://redis.io/) and set up a (free tier) cluster

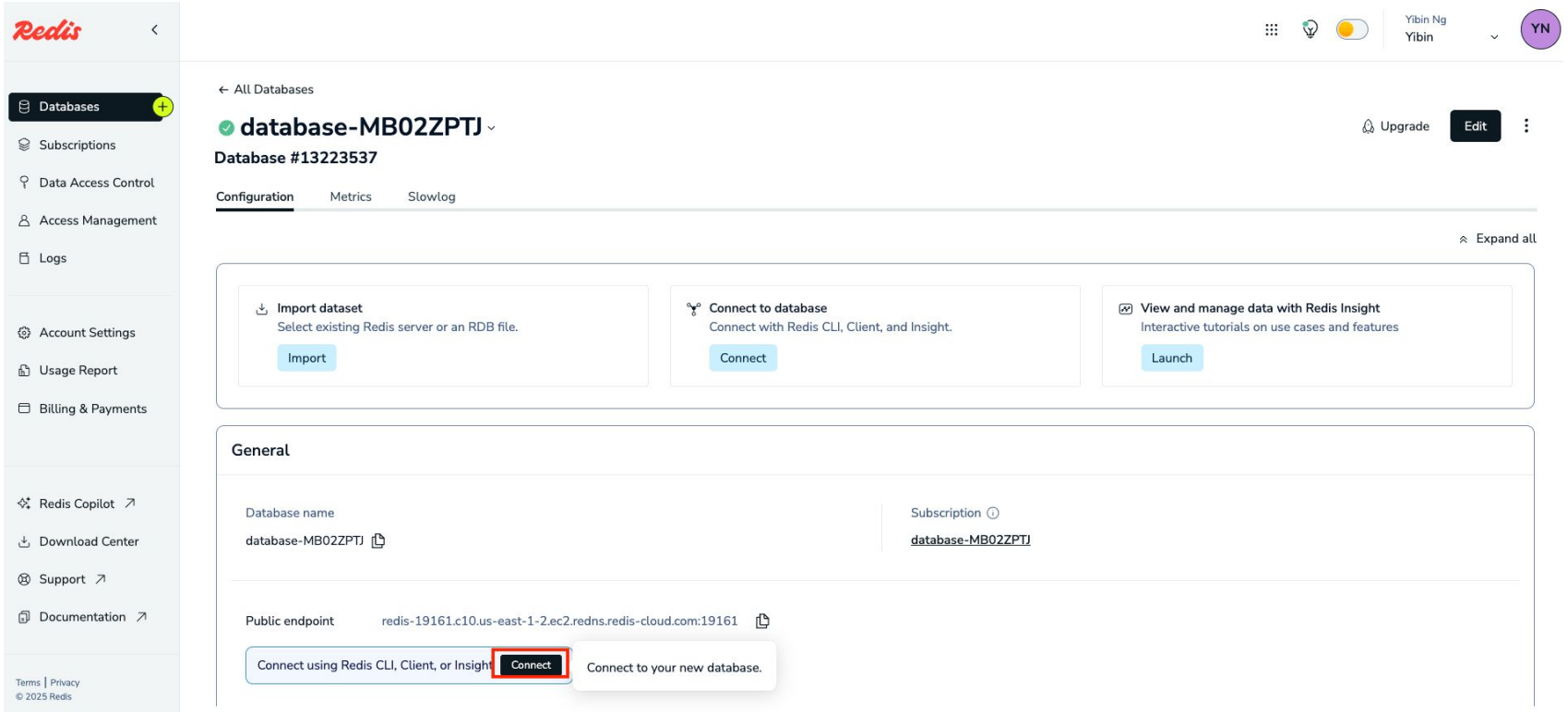
1: Create a Database



2: Choose **free** cluster (default settings)

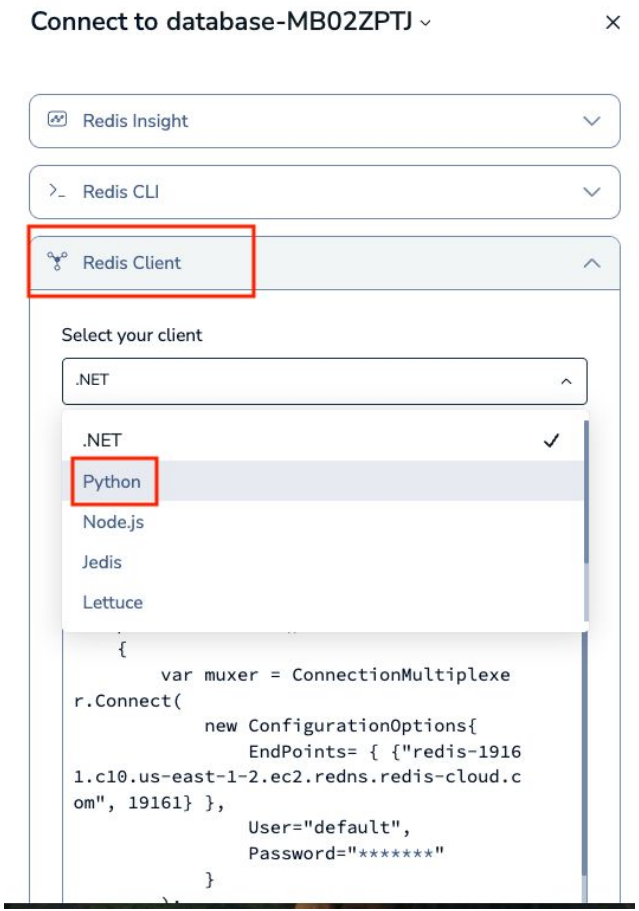


3. Click “connect”



4: Connect to Database Client

Choose “Redis Client” → “Python”



5: Test Connection

- Create a new Jupyter notebook file
- Activate Conda `bde` environment
- Click the `Copy` button
- Paste the code into a new cell
- Run the code, you should see `bar` as output

  Note: Use the `Copy` button to copy the code, including the auto-generated password