

I understand you're using a Mac and have installed PostgreSQL 16 using Homebrew, but you're encountering an error when trying to create the `http` extension. This error suggests that the `http` extension isn't installed on your system. Let's troubleshoot this issue step by step.

1. First, let's check if the `http` extension is available for your PostgreSQL installation:

```
ls /usr/local/opt/postgresql@16/share/postgresql@16/extension/http*
```

Bash

If this command doesn't show any files, it confirms that the `http` extension isn't installed.

2. The `http` extension is part of a separate project called `pgsql-http`. We need to install this separately. Here's how you can do it:

## Install dependencies

```
brew install curl openssl
```

## Clone the pgsql-http repository

```
git clone https://github.com/pramsey/pgsql-http.git cd pgsql-http
```

## Build and install the extension

```
make make install
```

**If you encounter any issues with the Makefile not finding `pg_config`, you may need to specify its path**

**make**

**`PGCONFIG=/usr/local/opt/postgresql@16/bin/pgconfig`**

**make install**

***PGCONFIG=/usr/local/opt/postgresql@16/bin/pgconfig***

**After successful installation, go back to your PostgreSQL client and try creating the extension again**

`psql yourdatabasename CREATE EXTENSION http;`

## Verify the installation

`\dx`

Here's a breakdown of these steps:

- a. Install necessary dependencies (curl and openssl) using Homebrew.
- b. Clone the pgsql-http repository from GitHub.
- c. Build and install the extension using make commands.
- d. If you encounter issues with make not finding pg\_config, you may need to s
- e. After installation, try creating the extension again in your PostgreSQL da

3. If you encounter any permission issues during the installation, you might need

```
```bash
sudo make install
```
```

4. After installation, restart your PostgreSQL server:

```
```bash
brew services restart postgresql@16
```
```

5. Now, connect to your database and try creating the extension again:

```
```sql
CREATE EXTENSION http;
```
```

6. Verify the installation by listing the installed extensions:

```
```sql
\dx
```
```

```

If you still encounter issues after following these steps, here are a few things

- Ensure that your PostgreSQL server is running the version you expect (PostgreSQL)
- Make sure that the PostgreSQL bin directory is in your PATH. You can add it by

```
```bash
export PATH="/usr/local/opt/postgresql@16/bin:$PATH"
```
```

- If you're using a different PostgreSQL installation (like Postgres.app), make

For your PostgreSQL course, this experience highlights an important topic: manag

- Finding and installing third-party extensions
- Compiling extensions from source
- Troubleshooting extension installation issues

Would you like me to explain any part of this process in more detail, or shall w