

# Postgres Backup GCP to AWS



If you encounter the error "E: Unable to locate package postgresql-client-16," it may be because the Postgres 16 client is not available in your current repository. Here's how to resolve this by adding the necessary repository and installing the correct version of `postgresql-client`:

## Step-by-Step Instructions

1. **Add the PostgreSQL APT Repository:** You can add the official PostgreSQL APT repository to your system to get the latest packages. Here's how to do it:

```
bash

# Install prerequisites
sudo apt-get install wget ca-certificates

# Add the PostgreSQL APT repository
wget --quiet -O - https://www.postgresql.org/media/keys/ACCC4CF8.asc | sudo apt-key add -
echo "deb http://apt.postgresql.org/pub/repos/apt/ $(lsb_release -cs)-pgdg main" | sudo
tee /etc/apt/sources.list.d/pgdg.list
```

2. **Update Package Lists:** After adding the repository, update your package lists:

```
bash

sudo apt-get update
```

3. **Install PostgreSQL Client 16:** Now you should be able to install the Postgres 16 client:

```
bash

sudo apt-get install postgresql-client-16
```

4. **Verify the Installation:** Check the version of `pg_dump` to confirm the correct version is installed:

```
bash

pg_dump --version
```

5. **Run the Backup Again:** After confirming that you have the correct version of `pg_dump`, retry your backup command:

```
bash
```

```
pg_dump -h 35.332.42.173 -p 5432 -U your_username -d your_database -Fc > db.dump
```

## Alternative: Using Docker

If you still face issues with the installation, you can use Docker to run the `pg_dump` command with the correct version of Postgres, as mentioned in the previous response:

```
bash
```

```
docker run --rm -e PGPASSWORD=your_password postgres:16 pg_dump -h 35.332.42.173 -p 5432 -U  
your_username -d your_database -Fc > db.dump
```

This method avoids potential compatibility issues with your local installation and uses the correct version directly from the Docker container.