

Migrate Database

Find Settings of existing Database

```
sudo -u postgres psql --cluster <version>/main

-- Database-level info
\l+ your_database

-- Server-wide settings
SHOW SERVER_ENCODING;
SHOW LC_COLLATE;
SHOW LC_CTYPE;

-- Installed extensions
\dx

-- Example Output
Name | Owner | Encoding | Collate | Ctype | Access privileges
-----+-----+-----+-----+-----+-----
your_database | appuser | UTF8 | en_US.utf8 | en_US.utf8 |
```

Export existing Database

```
sudo -u postgres pg_dump -h <server> -p <port> -U <user> -W -Fc -f <output file> <database>

-h = Hostname
-p = Port
-U = Username
-W = Prompt for Password
-Fc = pg_dump non-Text-Format (required for pg_restore)
-f = Output File
```

- Command needs to be run with `sudo -u postgres` as the postgres User has (as default) only local Access and only direct Login without any Password.

(Optional) Copy to new Server

```
scp <path-to-dump> <user>@<server>:/tmp/<filename.dump>
```

Create User on new Database

```
sudo -u postgres psql --cluster <version>/main -c "CREATE USER <username> WITH PASSWORD '<password>';"
```

Create (empty) Database

Restore Database

```
sudo -u postgres pg_restore -h <server> -p <port> -U <user> -d <database> -c <input_file>
```

-h = Hostname
-p = Port
-U = Username
-W = Prompt for Password
-d = (New) Database Name
-c = Input File

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