

### PostgreSQL Setup

PostgreSQL database is used both as part of the staging area and for hosting the main data schema. The *ktp* database is owned by a *ktp* user, and divided into several schemas to clarify the database structure. The idea is to separate source data, ontological mappings, cleansed and curated data, and temporal tables from each other.

```
CREATE USER "ktp"
  WITH PASSWORD '<the_system_passwd_here>'
  SUPERUSER;

CREATE DATABASE ktp WITH OWNER ktp;

CREATE SCHEMA stage_hadoop;
-- One stage_<source_system> each data source
-- ...
CREATE SCHEMA map;
CREATE SCHEMA main;
CREATE SCHEMA static;
CREATE SCHEMA temp;

ALTER DATABASE ktp SET search_path TO
temp, main, map, stage_hadoop, stage_uraods, static;
```

The database can be connected from command line with

```
psql -U ktp -h ktpg.vssh.net -d ktp
```

Schemas can be listed with `\dn`, and search path printed with `SHOW search_path;`