

# Orbeon Setup

## Steps to Create an Orbeon App

### CWDB

- Create needed schema and roles for new Orbeon app.

```
-- create user for Orbeon to use
CREATE ROLE orbeon_XXX LOGIN
    NOSUPERUSER INHERIT NOCREATEDB NOCREATEROLE NOREPLICATION;
-- create group for department users
CREATE ROLE XXX_forms
    NOSUPERUSER INHERIT NOCREATEDB NOCREATEROLE NOREPLICATION;
-- create the schema for forms to live in
CREATE SCHEMA orbeon_XXX AUTHORIZATION orbeon_XXX;
-- set the search path for the user Orbeon will be using
ALTER ROLE orbeon_XXX
    SET search_path = orbeon_XXX;
-- grant admin user for campus DB admin access to forms
GRANT USAGE ON SCHEMA orbeon_XXX TO admin_general;
-- grant department users access to forms
GRANT USAGE ON SCHEMA orbeon_XXX TO XXX_forms;
-- grant access to campus DB admin for any additional tables created by admin user
ALTER DEFAULT PRIVILEGES IN SCHEMA orbeon_XXX
    GRANT SELECT ON TABLES
        TO admin_general;
-- grant access to department users for any additional tables created by admin user
ALTER DEFAULT PRIVILEGES IN SCHEMA orbeon_XXX
    GRANT SELECT ON TABLES
        TO XXX_forms;
```

- Set password for `orbeon_XXX` user in PGAdmin.
- Login: `psql -U orbeon_XXX -h database.mlc-wels.edu cwdb`
- Check search path with: `show search_path;`
- Grant additional permissions by pasting in SQL statement below as `orbeon_XXX` user

```
-- grant access to campus DB admin for any additional tables created by orbeon_XXX user
ALTER DEFAULT PRIVILEGES IN SCHEMA orbeon_XXX
    GRANT SELECT ON TABLES
        TO admin_general;
```

```
-- grant access to department users for any additional tables created by orbeon_XXX user
ALTER DEFAULT PRIVILEGES IN SCHEMA orbeon_XXX
GRANT SELECT ON TABLES
TO XXX_forms;
```

- Paste edited schema definition from [https://github.com/orbeon/orbeon-forms/blob/master/src/resources/apps/fr/persistence/relational/ddl/postgresql-4\\_8.sql](https://github.com/orbeon/orbeon-forms/blob/master/src/resources/apps/fr/persistence/relational/ddl/postgresql-4_8.sql) (edited copy in `/root/orbeon/conf`)
- Add `, pk serial primary key` to each table def
- Add access rules to `pg_hba.conf` on CWDB and reload postgresql service configuration

## OES

- Create group `OrbeonXXX.groups.ac.mlc` in iManager

## Orbeon Server

- Alter Orbeon config files in `/root/orbeon/config`
- Create database resource in orbeon `context.xml`
- Add role assignment in Orbeon `form-builder-permissions.xml`
- Add orbeon persistence connection in `properties-local.xml`
- Add role to `oxf.fr.authentication.container.roles` in `properties-local.xml`
- Add role name to `auth-constraint` in `web.xml`
- Add role name to `security-role` in `web.xml`
- Check for active orbeon user sessions: <http://orbeon.mlc-wels.edu:8080/manager/>
- Re-deploy Orbeon

```
cd /root/orbeon
bin/deploy.sh war/current_link.war
service tomcat restart
```

Revision #1

Created 25 April 2025 20:51:28 by Rachel Feld

Updated 25 April 2025 20:51:37 by Rachel Feld