Registry Installation - Database

Setup Database

COmanage Registry is tested against PostgreSQL and MySQL. It may work against other databases supported by CakePHP, but no other databases are regularly tested. Unless otherwise noted, any currently supported version of these databases may be used.

Create a new database for COmanage Registry. You can name the new database whatever you like since you will configure the Registry below with the name of the database.

MySQL / MariaDB Considerations

Deployments using MySQL/MariaDB should use the InnoDB storage engine, not MyISAM.

To set this as the default storage engine on a Unix-like system, add the following to `/etc/my.cnf` and restart the database before setting up the database tables:

```
# Set default engine to InnoDB
default-storage-engine=InnoDB
```

(The storage engine can also be set on a per-session or per-table basis, see the MySQL documentation for details.)

Postgres Considerations

Due to issues with an older version of ADOdb, Registry v3.3.4 and earlier may encounter schema management problems when used with Postgres 12 or later. For these versions only, supported versions of Postgres 11 or earlier should be used.

Registry v4.0.0 or later use an updated version of ADOdb, and can be used with any supported version of Postgres.

Configure COmanage Registry

Copy the file `registry-current/app/Config/database.php.default` to `registry-current/local/Config/database.php`. (For versions prior to v1.0.0, copy the file to `registry-current/app/Config/database.php` instead.)

Edit this file with your database connection information, including the password needed to connect to the database.

> ⚠ **Prefix Must Be cm_**
>
> Currently, the `prefix` value **must** be set to "`cm_`". (CO-174).

---

example database.php for MySQL

```
var $default = array(
 'driver' => 'Database/Mysql',
 'persistent' => false,
 'host' => 'localhost',
 'login' => 'registry_user',
 'password' => 'a good password goes here',
 'database' => 'registry',
 'prefix' => 'cm_',
 );
```

example database.php for PostgreSQL

```
var $default = array(
 'driver' => 'Database/Postgres',
 'persistent' => false,
 'host' => 'localhost',
 'login' => 'registry_user',
 'password' => 'a good password goes here',
 'database' => 'registry',
 'prefix' => 'cm_',
 );
```

Install Database Schema

ⓘ When running this step under v0.9.4, you may notice deprecation messages like

```
Deprecated (16384): Validation::notEmpty() is deprecated.
```

These messages may be safely ignored, and are addressed in v1.0.0 and later. (~~CO-1119~~)

Set up the database schema.

⚠ In order to avoid problems with file ownership, you should run console commands as the web server user. Otherwise, make sure the cache directory (wherever `app/tmp` points to) and all of its subdirectories and files are writeable by the web server. `chown -R` and `chgrp -R` may be in order after running console commands.

```
$ cd app
$ su -c "./Console/cake database" ${APACHE_USER}
[...]
Database schema update successful
```

⚠ **Error: Database connection "Mysql" is missing, or could not be created**

This error indicates the command line `php` utility can't find the appropriate PDO library. Go back and make sure your PHP was built correctly.

Next: Registry Installation - Email