

FI-WARE Catalogue Installation Guide



fi-ware

Topics addressed: Catalogue, Installation, Drupal

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Changes History

Release	Major changes description	Date	Editor
0.1	First Public Version	24/04/2013	PRP

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1 Introduction

This document provides instructions to install the FI-WARE Catalogue in a new web server. The Catalogue is Drupal Based web application aimed to make it easy for developers to find, navigate and understand what is offered by FI-WARE project in terms of Generic Enablers and FI-WARE Instances. It provides features for asset publishing, browsing of assets, community for discussions around these assets and references to the appropriate support functionalities available for each asset.

The catalogue is bundled as a compress tar.gz file that includes a modified and enhanced Drupal distribution and an adapted empty database for mysql.

In the following sections we will explain the prerequisites for the installation of the Catalogue and a step-by-step guide to perform the installation.

At the end of this process, the target server will have a fully working Catalogue installation with only an administration user and no dynamic content, only the static information pages of the Catalogue. The administration of the Catalogue is similar to that of any Drupal application.

2 Catalogue Installation

2.1 Tested environments

The catalogue has been fully tested in Ubuntu (12.04 and 12.10).

2.2 Prerequisites

In order to install a new instance of the Catalogue the following prerequisite software has to be installed:

- Apache Web Server.
- MySQL 5.015 or higher with PDO.
- PHP 5.25 or higher (5.3 recommended).

2.3 Step-by-step guide

For this guide we will assume that Ubuntu 12.04 or greater is used and the paths for configuration and www data files and www data files are those established by default. Throughout the document we will provide example commands to perform the different tasks.

The first thing to do is to unpack the distributed file in a working directory.

```
$tar -zxvf catalogue-distrib.tar.gz
$cd catalogue_dist
```

2.3.1 Setting up the database

Firstly, we are going to set up the database containing the base for the Catalogue to run. We have to create a new mysql database; in this case we will call it catalogue. Here we will assume we are using the root user, but any user with permission can be used.

```
$mysqladmin -p -u root create catalogue
```

Now we will dump the distributed database (the .sql file) info into the newly created one.

```
$mysql -p -u root catalogue < catalogue.sql
```

After that, we have to configure our Drupal Catalogue distribution to communicate with our database:

```
$vi catalogue/sites/default/settings.php
```

There we find the line starting with “\$databases = array (” and introduce our database configuration by replacing the database name, username, password, etc. with the ones we have, for example:

```
$databases = array (
  'default' =>
  array (
    'default' =>
    array (
      'database' => 'catalogue',
      'username' => 'root',
      'password' => 'password',
      'host' => '127.0.0.1',
```

```
'port' => '',
'driver' => 'mysql',
'prefix' => '',
),
),
);
```

2.3.2 Setting up the web server

The first step is to copy the catalogue application into a place where the Apache web server will access it. For the purpose of this document we will locate it at “/var/www/catalogue”. We will also assume the user logged in the system has the right permissions.

```
$cp -r catalogue /var/www
```

The Apache rewrite module has to be enabled and the corresponding line in the apache2 configuration has to be modified

```
$a2enmod rewrite
```

We have to setup our site in Apache by editing its configuration file. In our case we are going to edit “/etc/apache2/sites-available/default” modifying the following lines.

```
ServerAdmin webmaster@localhost
ServerName myserver.name.com
DocumentRoot /var/www/catalogue
<Directory />
    Options FollowSymLinks
    AllowOverride All
</Directory>
```

Finally we restart our apache server.

```
/etc/init.d/apache2 restart
```

And finally we have our own instance of the FI-WARE Catalogue running with only one user, *admin* whose password is also *admin*.

3 References

[Drupal]	www.drupal.org
[Ubuntu]	www.ubuntu.com