

# Setup Guide for Inventory System

This guide covers the setup of the equipment and software inventory system, including the installation of all required services and the creation of the database backend.

## Notes:

- Last updated 6/19/2014 by Daniel Urbach
- This project can be downloaded using GIT at:  
`https://github.com/dannyboycurtis/inventory.git`
- The administrator account is preconfigured:  
username/password: `admin/Open1234`

## Requirements:

- MySQL Server ( > 5 ), two MySQL users (see below)
- PHP ( > 5 ), MySQL library
- Apache ( > 2 )

## **Step One: Configure the server**

1. Install MySQL server.
2. Install Apache web server.
3. Ensure both of these services start on system boot.
4. Install PHP, its common libraries and the MySQL library.
5. Set up any firewall policies as needed. SSL is used by the inventory system, so make sure that HTTPS is open.

## **Step Two: Install the inventory system**

1. If using GIT to download the inventory system, go to the web directory for Apache and download the system as follows:  

```
#cd /var/www/html  
#git clone https://github.com/dannyboycurtis/inventory.git
```
2. If not using GIT, simply move the 'inventory' directory into the Apache web directory and ensure that permissions are set correctly (Try to access one of the pages in a browser).
3. In '../inventory/include/config.php', set the 'SECURE' value to TRUE in order to enable SSL for the inventory system.

## Step Three: Configure MySQL and the databases

1. Log into MySQL using the root account.

2. Create the 'inventory' and 'login' databases:

```
>CREATE DATABASE inventory;  
>CREATE DATABASE login;
```

3. Create the 'inventory' and 'login' MySQL users:

```
>CREATE USER inventory@localhost IDENTIFIED BY 'I_PASSWORD';  
>GRANT SELECT, INSERT, DELETE, UPDATE ON inventory.* TO  
inventory@localhost;  
>CREATE USER login@localhost IDENTIFIED BY 'L_PASSWORD';  
>GRANT SELECT, INSERT, DELETE, UPDATE ON login.* TO login@localhost;  
>FLUSH PRIVILEGES;
```

Note: Replace 'I\_PASSWORD' and 'L\_PASSWORD' with unique passwords!

4. Run the SQL scripts included in the inventory/database directory:

```
#cd /var/www/html/inventory/database  
#mysql inventory < INVENTORY_DATABASE_SETUP.sql  
#mysql login < LOGIN_DATABASE_SETUP.sql
```

5. MOVE OR DELETE THE 'database' DIRECTORY AFTER STEP 3!

6. Open '../inventory/include/config.php' and change the values I\_PASSWORD and L\_PASSWORD to whatever was set during the creation of the MySQL users.

## Step Four: Login and create users

1. Load the website in a browser and login using the preconfigured administrator credentials ( admin/Open1234 ).
2. Click on the rightmost button on the top navigational bar and select 'Change Password'. Change the password for 'admin'.
3. Click on the 'Administration' button on the top navigational bar and select 'Manage Inventory Users'. From here you can click on the 'Add User' button to create new users for the inventory system. The following user roles can be set for each user:

Level 1:    View and print non-software records

Level 2:    View, add and edit and print all records

Level 3:    View, add, edit, delete and print all records