

gtd-php

Getting Things Done with PHP

Installation Guide

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1 Introduction

gtd-php is an open source, web-based implementation of the [Getting Things Done](#) (GTD) personal productivity system.

It is written in PHP and MySQL, and assumes pages are served using Apache. The current version has been used by the project director for about 6 months and is being released in the hope that others will find it useful and, perhaps, help to improve it.

This document is a very brief installation guide to get the user going. It is based on installing on a Mac OS X box, but installation on other platforms should be fairly straightforward.

2 Requirements

To run **gtd-php** you need the following:

1. PHP
2. MySQL
3. Apache

In what follows, it is assumed that Apache is up and running. The current version of **gtd-php** supports a single user only.

3 Installing MySQL

1. Download [MySQL 4.1.16](#)
2. Double-click the drive image to mount it
3. Locate the MySQL installer, click it and authenticate
4. Double-click MySQLStartupItem.pkg
5. Double-click MySQL.prefPane and decide if MySQL should be installed for just you, or all users
6. Set initial MySQL Usernames and passwords <http://dev.mysql.com/doc/refman/4.1/en/user-names.html>
 - (a) Set the root password

```
[05:42 PM Mon Jan 09
gauss:~]>mysql -u root
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 16 to server version: 4.1.16-standard

Type 'help;' or '\h' for help. Type '\c' to clear the buffer.

mysql> SET PASSWORD FOR 'root'@'localhost'=PASSWORD('newpwd');
Query OK, 0 rows affected (0.00 sec)

mysql> quit;
Bye
[05:45 PM Mon Jan 09
gauss:~]>
```

Note, substitute a good password for newpwd.

- (b) Test the root account:

```
[05:45 PM Mon Jan 09
gauss:~]>mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 113 to server version: 4.1.16-standard
```

Type 'help;' or '\h' for help. Type '\c' to clear the buffer.

```
mysql>
```

Note that the `-p` will get you the `Enter Password:` prompt. At that prompt enter the password and you should get the `mysql` prompt.

- (c) Add a new user account. While still logged on as root (previous step) do as follows:

```
mysql> GRANT ALL PRIVILEGES ON *.* to 'serge'@'localhost'  
-> IDENTIFIED by 'some_pass' WITH GRANT OPTION;  
Query OK, 0 rows affected (0.00 sec)
```

```
mysql>
```

Note: change `serge` to your login name and `some_pass` to a password you want to use to access `mysql`. For security reasons, you should not use your login password as your `mysql` password.

- (d) Check the user account:

```
mysql> quit;  
Bye  
[05:55 PM Mon Jan 09  
gauss:~]>mysql -p  
Enter password:  
Welcome to the MySQL monitor.  Commands end with ; or \g.  
Your MySQL connection id is 240 to server version: 4.1.16-standard  
  
Type 'help;' or '\h' for help. Type '\c' to clear the buffer.  
  
mysql>
```

4 Installing gtd-php

1. Under `/Users/yourname/Sites` create the director `gtd`:

```
[07:47 PM Thu Jan 12
```

```
gauss:~/Sites]>mkdir gtd
[07:47 PM Thu Jan 12
gauss:~/Sites]>cd gtd
[07:47 PM Thu Jan 12
gauss:~/Sites/gtd]>
```

2. Move get the source tarball into gtd and untar it:

```
[07:49 PM Thu Jan 12
gauss:~/Sites/gtd]>cp ../gtd-php.0.1.tar.gz .
[07:49 PM Thu Jan 12
gauss:~/Sites/gtd]>tar -xzvf gtd-php.0.1.tar.gz
COPYING
MANIFEST
README
config.sample.php
editGoal.php
editNextAction.php
editProject.php
editReference.php
editWaitingOn.php
footer.php
gtdfuncs.php
header.php
index.php
listCompletedProjects.php
listGoals.php
listNextActions.php
listProjects.php
listReference.php
listWaitingOn.php
makegtd.sql
newContext.php
newGoal.php
newNextAction.php
newProject.php
newReference.php
newWaitingOn.php
processGoal.php
```

```
processNextAction.php
processReference.php
processWaitingOn.php
projectReport.php
reportContext.php
summary.php
updateGoal.php
updateNextAction.php
updateProject.php
updateReference.php
updateWaitingOn.php
weekly.php
[07:49 PM Thu Jan 12
gauss:~/Sites/gtd]>
```

3. cp config.sample.php to config.php

```
[07:52 PM Thu Jan 12
gauss:~/Sites/gtd]>cp config.sample.php config.php
```

4. edit config.php to change \$pass and \$user to your mysql password and username, so that before the change we have:

```
[07:55 PM Thu Jan 12
gauss:~/Sites/gtd]>cat config.php
<?php
    $host = 'localhost';
    $db = 'gtd';
    $user = '<change>';
    $pass = '<change>';
?>
```

```
[07:55 PM Thu Jan 12
gauss:~/Sites/gtd]>
```

and after the file looks like:

```
[07:55 PM Thu Jan 12
gauss:~/Sites/gtd]>cat config.php
<?php
    $host = 'localhost';
    $db = 'gtd';
    $user = 'serge';
    $pass = 'some_pass';
?>
```

```
[07:55 PM Thu Jan 12
gauss:~/Sites/gtd]>
```

5. make the gtd database for mysql:

```
[07:59 PM Thu Jan 12
gauss:~/Sites/gtd]>mysql -p < makegtd.sql
Enter password:
[07:59 PM Thu Jan 12
gauss:~/Sites/gtd]>
```

6. start a browser and point it to `http://localhost/username/gtd/index.php`.
If all goes well you should see something that looks like [Figure 1](#).

When trying to create the gtd database in step 5, if you get an error statement like:

```
Warning: mysql_connect(): Client does not support authentication protocol
requested by server; consider upgrading MySQL client in
/Users/serge/Sites/gtd/summary.php on line 8
unable to connect
```

the fix is as to connect to mysql and do the following:

```
> set password for 'user'@'localhost' = old_password('some_pass');
```

being sure to change user to the user in config.php and password to the value of pass in config.php.

```
mysql -p < makegtd.sql
[07:59 PM Thu Jan 12
gauss:~/Sites/gtd]>mysql -p < makegtd.sql
Enter password:
[07:59 PM Thu Jan 12
gauss:~/Sites/gtd]>
```

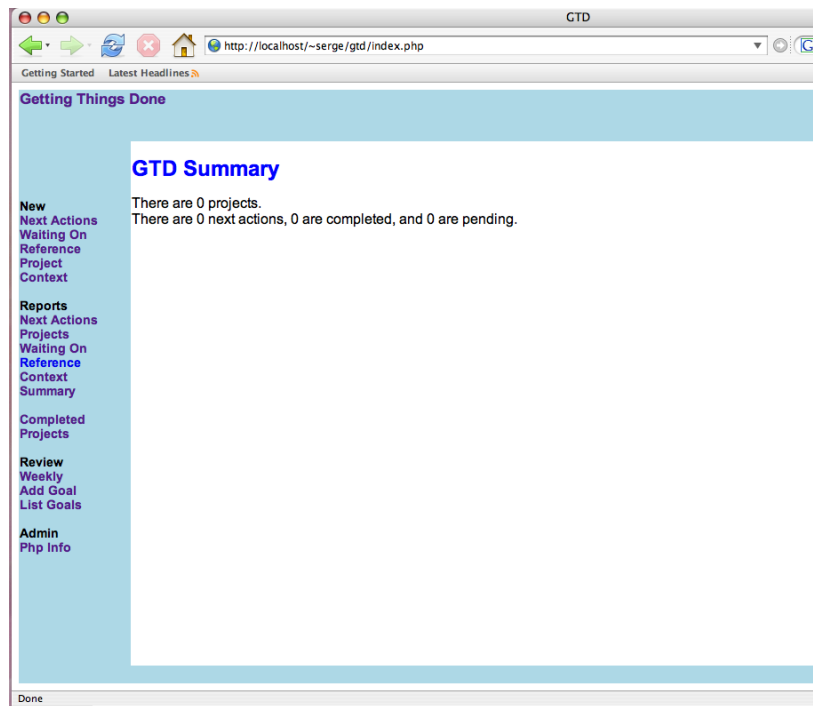


Figure 1: Opening screen

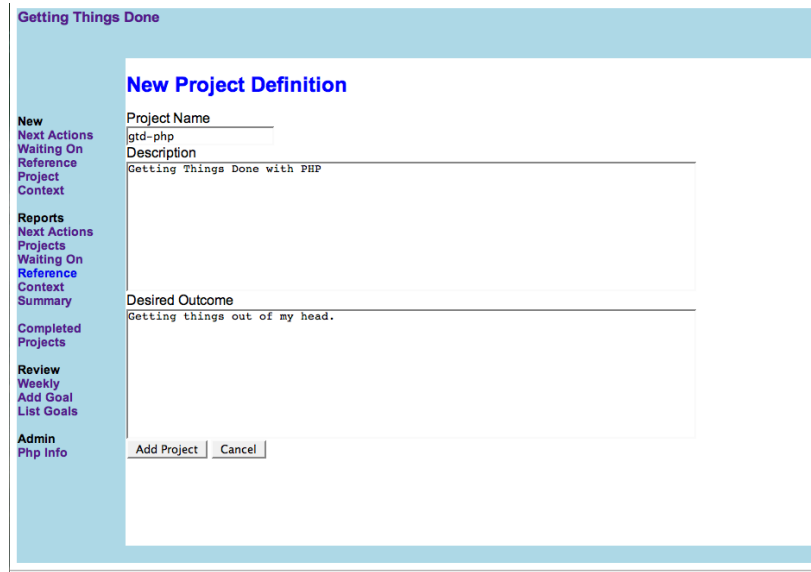


Figure 2: New Project Screen

5 Populating Your Database

The first thing you should do is create a new project.

5.1 Creating a New Project

To create a new project select **Project** under the **New** menu on the left hand side of the page. Once you do so, you should see a screen like Figure 2.

Selecting **Add Project** will add the project to the database and bring up the confirmation screen (Figure 3). To get back to the summary view (after adding a new project) click on the page title **Getting Things Done** which should result in Figure 4.

5.2 Getting A Summary of a Project

By clicking on the project link (we only have one at this point), the project report screen will be generated (Figure 5).

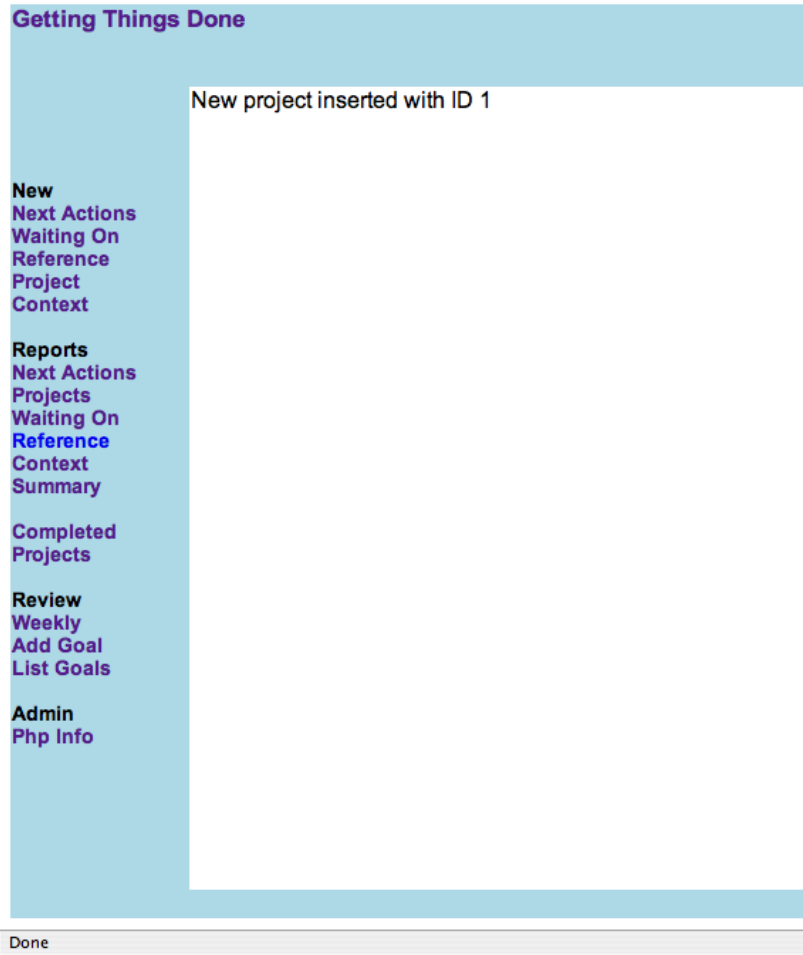


Figure 3: New Project Confirmation Screen

Getting Things Done

GTD Summary

New
Next Actions
Waiting On
Reference
Project
Context

Reports
Next Actions
Projects
Waiting On
Reference
Context
Summary

Completed
Projects

Review
Weekly
Add Goal
List Goals

Admin
Php Info

There are 1 projects.
There are 0 next actions, 0 are completed, and 0 are pending.
[gtd-php](#)

Figure 4: Summary Screen

Getting Things Done

Project Report: gtd-php

New
Next Actions
Waiting On
Reference
Project
Context

Reports
Next Actions
Projects
Waiting On
Reference
Context
Summary

Completed
Projects

Review
Weekly
Add Goal
List Goals

Admin
Php Info

Next Actions
None

Waiting On
None

Reference
None

Completed Next Actions
None

Completed Waiting On
None

Done

Figure 5: Project Report

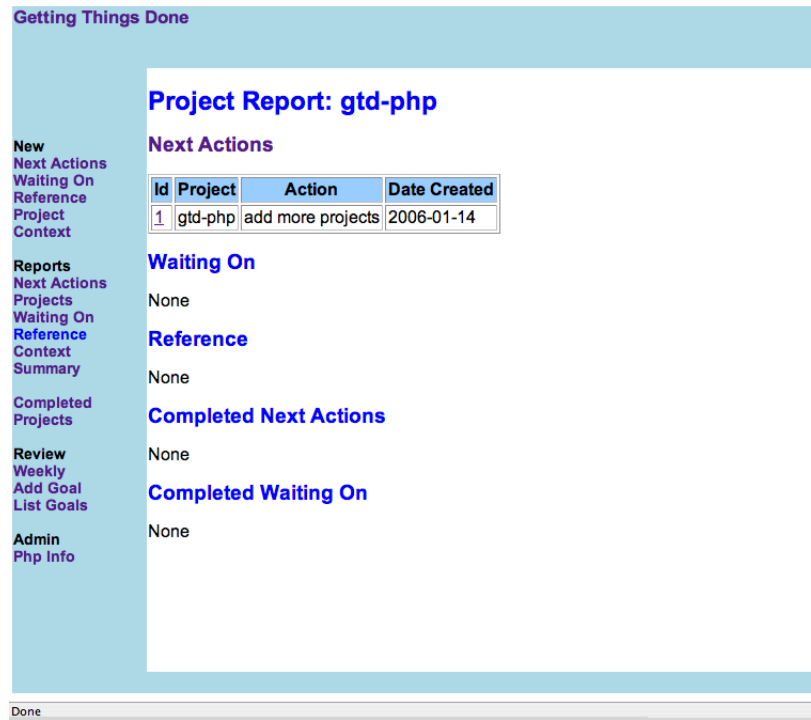


Figure 6: Project Report with a Next Action

5.3 Adding a New Next Action

You can now assign a next action to your new project. You can do so in one of two ways:

1. Select **Next Actions** under the **New** menu on the left hand side of the page.
2. Select the **Next Actions** label in the project report form (Figure 5).

Once you add a next action, you can go back to the project report screen to see in fact that project has a new action. To go back you can issue two browser back commands, or click the summary title at the top of the page and then select the project. Either way you should see a screen like Figure 6.

5.4 Exploring

The rest of the functionality of **gtd-php** is accessed through the menus on the left and should be fairly discoverable.

6 Backing Up

Everything lives inside a single database called **gtd**. You can back this up with:

```
[02:47 PM Sat Jan 14  
gauss:~/Sites/gtd]>mysqldump -p --databases gtd > gtd.sql
```

You can also rebuild your database from this backup using:

```
[02:47 PM Sat Jan 14  
gauss:~/Sites/gtd]>mysql -p < gtd.sql
```

You should feel comfortable using these commands as they allow for experimentation of defining your projects and getting used to playing with **gtd-php**.

7 Change log

- Software

2006-01-14 Version 0.1 (Windy)

- This document

2006-01-15 Small corrections:

- MySQL download link added.
- Fixed description of **gtd-php** install directory.
- Small typos.

2006-01-14 Original release.