

## From EULER Project

# PmWiki: Backup and Restore

This page has some background information on making backups and explains some basic \*nix backup and restore procedures.

## Introduction

Your wiki installation contains some unique data in the following directories:

local/	Local configuration scripts
cookbook/	Recipes obtained from the <a href="#">Cookbook</a>
pub/	Publicly accessible files
wiki.d/	Wiki pages
uploads/	<a href="#">Uploaded files</a> (attachments)

A good backup plan will include periodically archiving these directories — or at bare minimum `local/` and `wiki.d/`. Good practice dictates keeping your backup archives on a separate machine.

## Simple Backup and Restore (\*nix)

When it comes to backup, simpler is better. Since the pmwiki distribution is very small (about 1/4 megabyte), it's simplest to just archive the distribution files along with the data.

### Making a Backup Archive

The following \*nix command, executed from the parent directory of your wiki's directory, will put a complete backup archive of your site in your home directory.

```
tar -zcvf ~/wiki-backup-`date +%Y%m`.tar.gz wiki/
```

## Restoring the Backup Archive

### Simple Method

Your site can be restored and running in under 30 seconds with

```
tar -zxvf ~/wiki-backup-200512.tar.gz
find wiki/uploads/ -type d |xargs chmod 777
find wiki/wiki.d/ -type d |xargs chmod 777
```

### A Slightly-More-Secure Method

The simple restore commands above will give you world-writable files and directories. You can avoid world-writable permissions by letting PmWiki create directories with the proper attributes (ownership and permissions) for you.

Start with

```
tar -zxvf ~/wiki-backup-200512.tar.gz
rm -rf wiki/wiki.d
rm -rf uploads
chmod 2777 wiki/
```

Now upload a file in each group that had uploads. If your site doesn't have uploads, just visit your site once so the wiki.d/ directory will be created.

Finish your installation with

```
chmod 755 wiki/
tar -zxvf ~/wiki-backup-200512.tar.gz
```

## Details

The commands on this page assume your site is in a directory called "wiki/". The test backup was made in December, 2005 so it's named accordingly.

Your site will only have an uploads/ directory if uploads are enabled.

The backup command uses a date stamp (YYYYMM) in the filename. If you automate the command via cron you'll wind up with monthly snapshots of your site. You can get a daily snapshot by appending %d to the date command (``date +%Y%m%d`` will get you YYYYMMDD). Be wary of space limitations if you have a large uploads/ directory.

## See Also

- A thread([approve sites](#)) [gmane.org] on the pmwiki-users mailing list.
- A [Backup Pages](#) recipe in the cookbook.

## Miscellaneous

### Backup via FTP

Download and install a ftp client like Filezilla([approve sites](#))

1. Using the ftp client connect to the server where you host pmWiki using
  1. the IP address (ex: 123.234.56.67) or the ftp name (ex: ftp.myhost.com)
  2. supply your account name (ex: mylogin) and password (ex: myp4ssw0rd)
2. Move to your pmWiki directory (ex: /usr/mylogin/web/wiki/ or /tahi/public\_html/pmwiki )
3. Select the folder you want to backup as explained before (probably either only the data or the whole wiki directory)
  - ◆ for data you will want to backup both the directories
    - ◇ wiki.d for user page data
    - ◇ pmwikiuploads (or uploads) for your attachments (uploads)
  - ◆ for system you will want, at a minimum, to backup both the directories
    - ◇ local for configuration data
    - ◇ pub for local CSS and skins customisations
4. Download them to a local folder

5. Use 7zip([approve sites](#)) or a similar software to build an archive of this backup

You can also very easily sync your FTP directories with your hard disc via this command line:

```
wget -nv -np -m ftp://user:password@ftp.yourhost.net/
```

Download Wget for Windows([approve sites](#)) (other systems normally have it installed).

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