Installation
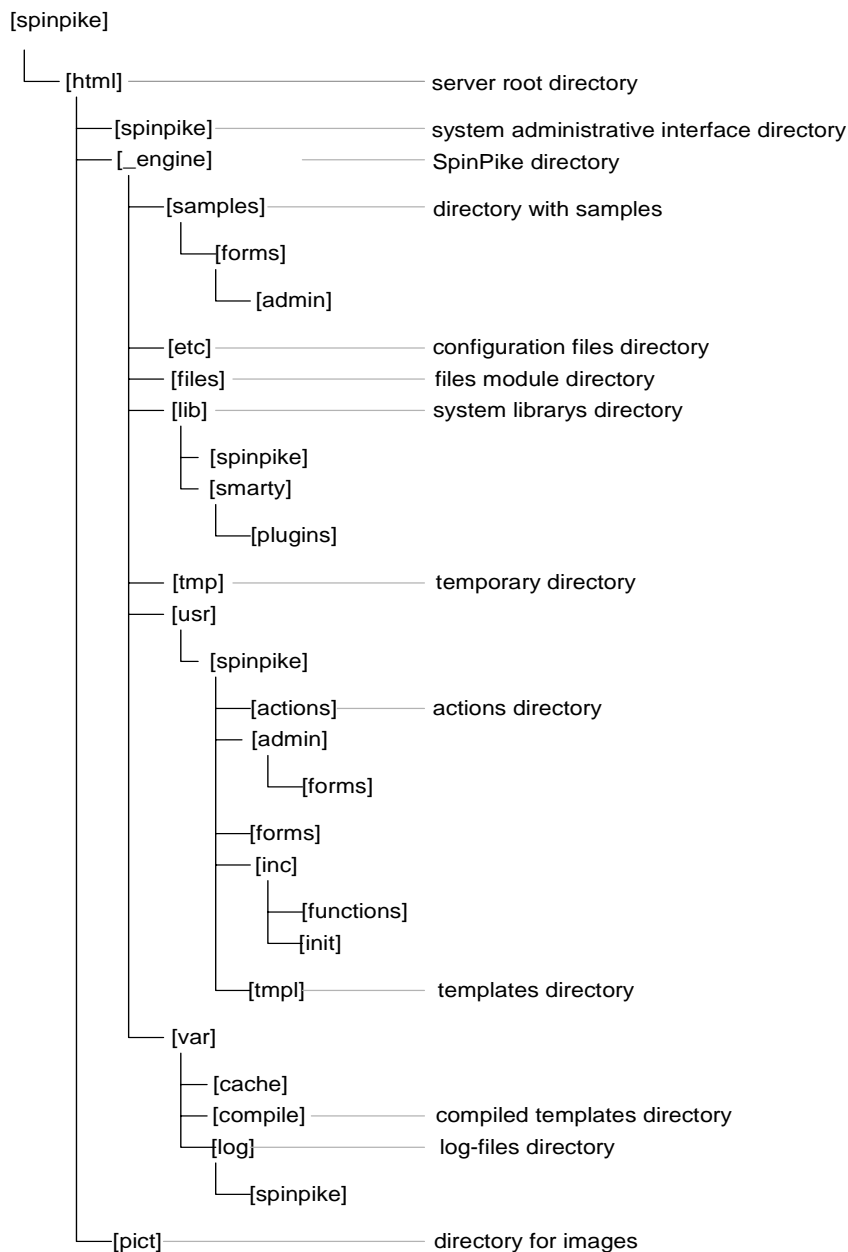
This document gives guidelines on installing SpinPike™ Lite, assigning authorization, and system configuration files set-up.

This document is designed for web developers to use when building a web site using SpinPike™ Lite. It contains a description of the site building process as well as an example of how to create a template for the home page. If you have a question that has not been covered in the given document, please contact our technical support service at support@savvybox.com.

Server directories structure

Once SpinPike™ Lite is installed, its directories structure looks as follows:

```
[spinpike]
    └── [html] ─────────────────────────  server root directory
         ├── [spinpike]───────────────────  system administrative interface directory
         ├── [_engine] ───────────────────  SpinPike directory
         │      ├──[samples]───────────────  directory with samples
         │      │      └──[forms]
         │      │             └── [admin]
         │      ├── [etc]──────────────────  configuration files directory
         │      ├── [files] ───────────────  files module directory
         │      ├── [lib] ─────────────────  system librarys directory
         │      │      ├── [spinpike]
         │      │      └── [smarty]
         │      │             └──[plugins]
         │      ├── [tmp] ─────────────────  temporary directory
         │      ├── [usr]
         │      │      └── [spinpike]
         │      │             ├──[actions]──────  actions directory
         │      │             ├── [admin]
         │      │             │      └──[forms]
         │      │             ├──[forms]
         │      │             ├── [inc]
         │      │             │      ├──[functions]
         │      │             │      └──[init]
         │      │             └──[tmpl]──────────  templates directory
         │      └── [var]
         │             ├── [cache]
         │             ├── [compile] ──────────  compiled templates directory
         │             └──[log]────────────────  log-files directory
         │                    └──[spinpike]
         └──[pict]────────────────────────  directory for images
```

Pic. 1. SpinPike™ Lite directories structure

Server settings
Server requirements:
  OS: UNIX, Linux, etc.
  Web-server: Apache 1.3.x
  Database: MySQL 3.23.x
  Language: PHP 4.2

Server settings, required for SpinPike™ Lite:
Apache:
Switch on *mod_rewrite* module,
Allow .htaccess files
PHP:
Switch off *safe_mode*
MySQL:
Support of the languages and encodings, that are required for your site.
(For example, cp1251 for the Russian language site)

Permission Settings *

* - Permission settings is only necessary when installing the system from the archive or when transferring the site. When you use the installer to install the system, this procedure is not required.

You need to set permission in order to make valid changes to the file system using the SpinPike™ Lite scripts. It is required that the authorization to write be assigned to all users (this can also be your server user; for Linux and Unix systems the commonly used user name is **nobody**, group – **nobody**) in respect of the following directories:

- **/pict/** images directory
- **/_engine/files/** file module directory
- **/_engine/tmp/** temporary directory
- **/_engine/usr/spinpike/tmpl/** site templates directory
- **/_engine/var/** system directory

Note: The authorization to the above indicated directories is assigned recursively, that is to all subdirectories and files within the designated directory.

Permission settings using Unix console

The following steps should be implemented:

Permission settings to write:

```
[user@host home]$ chmod –R a+w pict/
```

Changing the user for the directory:

```
[user@host home]$ chown –R nobody.nobody pict/
```

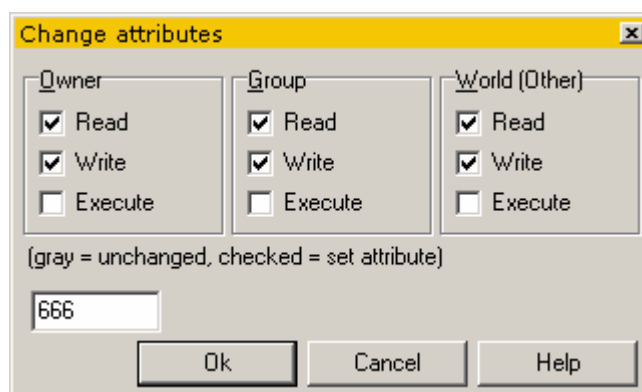By analogy, such steps are implemented in respect of the other directories listed above.

Permission settings using an FTP client

Below is a dialogue window of an FTP client, TotalCommander.

The steps to implement are as follows:
Access you server via FTP and select the required directory.
Inside the Files menu select **Files->Change attributes** and check the boxes
like shown in picture 2 below.

Pic. 2. Permission settings for the directory

System installation

Installing the system using the installer

To install the system, go through the following steps:

1. **Putting folder with the system to the HTML server root directory**
   After receiving the SpinPike™ Lite set-up package you need to put it on the server: put the *install* folder, containing the software setup file and installer, to the *html* root on the server (it usually has a name like *html, www* or *httpdocs*). Use FTP or any other file transfer means depending on your hosting settings.

2. **Installation**
   Type www.yoursite.com/install in the browser address bar. It will launch the SpinPike™ Lite installation wizard.

   The installation will go in three steps. During the first step the site database will be created and set up. During the second, system files are copied. The third step will set up the configuration files.

   Please note that after the system has been successfully installed, delete the *install* folder from the *html* root directory.

Installing the system from the archive

To install the system, you just need to copy the *install/source/* contents from the set-up package to the server root directory and customize the configuration file */_engine/etc/**main.conf*** (see "System configuration" for details).

Next, you need to create the site database using an available database client and execute the SQL script, *source.sql*, located in the *source/_engine/* directory of the newly created database.

Note: Remember to assign authorization for the directories following the steps described in "Permission settings" above.

Site transfer

If you first created a test version on your local server, you need to transfer it to the target server:

1. **Creating an archive of the site**
   You need to create a database dump using the available tools.

   Example: creating a database dump from the Linux console:

   ```
   [user@host home] mysqldump databasename > mydatabase.sql
   ```

2. **Transferring files**
   Next step, you should transfer (copy) the database dump and all site files to the server root directory.

3. **Uploading data to the databse**
   Execute SQL script for the newly created database.

   `[user@host home] mysql newdatabase < olddatabase.sql`

4. **Configuring the system**
   Set up the configuration files of SpinPike™ Lite (see "System settings" for details) and assign authorization (see "Permission settings" for details).

System configuration

System configuration is implemented with the help of the
/_engine/etc/main.conf file.

Configuration parameters:

- ***PREFIX** – SpinPike™ Lite root directory
- ***DOCUMENTROOT** – server root directory
- ***DOMAIN** – site address (http://www.example.com)
- **LIB** – path to the site libraries directory
- **TMP** – path to the temporary directory
- **USR** – path to the *usr* directory
- **VARS** - path to the *var* directory
- **LOG** - path to the *log* directory (SpinPike™ Lite log files directory)
- ***DBHOST** – database server name
- ***DATABASE** – database name
- ***DBUSER** – database user name
- ***DBPASSWORD** – database password
- ***TIMEZONE** – site time zone
- ***AUTHTIMEOUT** – system (admin interface) timeout in seconds

* mandatory parameters