

# **FUDforum 2 Documentation**

**by Ilia Alshanetsky and Slava Poliakov**

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# Preface

## Abstract

FUDforum 2 is web based forum software designed in PHP, utilizing MySQL or PostgreSQL back-end released under the GPL Open Source license. It is designed to work on any web server that supports PHP, which makes it usable on virtually every OS. The forum includes i18n and templating support allowing for a complete customization of its output as well as a very capable group based permission system.

This manual is primarily intended towards forum administrators, its aim is to explain how to use the various features of the forum.

This manual is available in several formats, which are downloadable from <http://fud.prohost.org/doc/>.

# **Part I. Getting Started**

## Chapter 1. Introduction

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### What is FUDforum 2?

FUDforum 2 is an Open Source web forum released under the GPL license that is written in *PHP 4* [<http://www.php.net/>] and can be used on virtually any operating system. FUDforum combines an extensive feature set while maintaining the ability to generate forum web pages extremely fast.

One of the most significant FUDforum features is the ease of use, which begins right with installation process where a user is guided through 5 step install wizard. The entire installation process even for novice user may literally take less than a minute from the point of installation to the point a user has a working web forum. Unlike with other installation process' the user does not need to deal with multiple files, all of the forum's data is stored in a single file, the install script. The installation script itself is written in PHP so no additional software is required to complete the installation.

The upgrade process is even easier, after download the upgrade script, the user is only required to enter the location of the FUDforum settings file and submit the form, upgrade script will take care of the rest.

## Chapter 2. FUDforum 2 Features

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FUDforum 2 includes numerous features, this section will briefly overview most of those features to give you an idea about the full capabilities of FUDforum 2.

### Spell Checker

FUDforum 2 supports a fully functional spell checker, that if enabled would allow forum users to spell check their messages before posting.

The spell checker utilizes PHP's Pspell library and supports multiple languages.

## Templating System

FUDforum 2 contains a fully customizable templating system, that allows you to completely customize the look and feel of your forum. For optimal performance the templates are compiled, so you do lose any speed as you do in other forums by having a templating system.

The controls for the templating system can be found inside the admin control panel.

## i18n Support

FUDforum 2 has full i18n support, that allows an easy translation of the forum into a language of your choice. Currently FUDforum 2 is distributed with 7 languages: English, German, Swedish, Polish, Turkish, Spanish and Chinese.

More languages will be available in the near future. During the installation process you will have the opportunity to choose the forum's language. This option can later be modified via the FUDforum 2 Theme Manager.

## Group Permission System

FUDforum 2 supports a highly capable permissions system, which can be used to control what forum users can and cannot do. Using this system you can grant special access rights to certain users, block users from seeing and/or accessing certain forum etc...

This system also includes support for "group managers" have the ability to manage users in the groups they control. This option allows the admin to delegate responsibility to trustworthy forum members.

The Group Management is done via two control panels, the administrative group manager, which allows the admin(s) to add/remove groups as well as assign group managers and specify what permissions the group managers can assign and/or take away. This control panel also allows the admin to make groups inherit permissions from other groups, thus not needing to specify new permission every time for similar groups.

The second control panel, the user group manager, which allows the group manager(s) and the admin(s) to add and remove users from a group as well as change the permissions of the users inside the group can be accessed via a link available to all Administrators and Group Managers on most forum pages.

## Private Messaging

FUDforum 2 includes a private messaging system that if enabled via the global control panel allows forum members to send private messages to one another.

The private messaging system supports forwarding, the ability to send a message to multiple users and reply notifications. If allowed by the administrator, the users may also attach one or more files to their private messages. Just like in a mail client the sent messages are stored in a special folder, 'sent', so that the user can easily refer back to them if the need arises. There is also a 'drafts' folder where the user can keep their unfinished messages.

The admin via the private messaging controls can specify what features the users may use inside their private messages, as well as the amount messages the users can keep in their PM folders.

## File Attachments

If permitted by the admin users may attach files to their forum & private messages. The amount of files that the user can attach as well as their maximum size can be defined by the admin on a forum by forum basis via the forum control panel. The ability to attach files to private messages can be defined by the admin via the private messaging system controls.

In addition to specifying the size and the quantity limits the administrator may also indicate what file types can be attached to the messages using the file attachment control panel. The attached files will be matched against the FUDforum 2 MIME listing so that a proper file icon can be assigned to the file as well as allowing the file download form to send the proper header to the browser allowing it to interpret the file properly.

It is also possible to restrict certain users from being able to attach files or only allow certain users to attach files using the group management system.

## Polls

FUDforum 2 supports a complete polling system, which allows users, if permitted to add polls to their messages.

Polls are quick multiple choice questioners, which can be used to gather user options on a matter at hand. The forum tracks the votes and ensures that people cannot vote more than once to prevent ballot stuffing.

## Forum & Topic Subscriptions

The users on the forum have the ability to subscribe to topics & forums. By subscribing to a topic a user will receive an E-mail or ICQ notification about any new posts made inside that topic. The subscription to a forum on the other hand will notify the user of any new topics created in the forum.

To prevent sending multiple notifications the notification system will only notify the user if they have no unread notifications for that particular forum or topic. This is extremely useful for active forums where many messages can be posted in a short period of time causing a massive amount of notifications to be sent to the user about the same content.

Each forum member has access to their own subscription control panel, which can be used to see what subscriptions they currently have and allow the user to unsubscribe from any of the subscribed to content.

If specified by the admin, the forum can include the full body of the message in the E-mail notification, so that a user can read and reply to the message directly via their mail client. These notifications come specially formatted, so that they are properly displayed on all e-mail clients, regardless of whether those mail clients support HTML or not.

## Tree View

In addition to the standard way of viewing messages inside the forum, FUDforum 2 supports a tree view, which builds a tree of messages akin to the one used by the newsgroups.

### Example 2.1. Sample Tree View

```
[*] Main Message
[-] Reply To: Main Message
[+] Reply To: Main Message
    [+] Reply To: Reply To: Main Message
        [-] Reply To: Reply To: Reply To: Main Message
[-] Another Reply to Main Message
```

## Full Text Search

FUDforum 2 includes a full text search that allows users to search the posted messages by entering on or more keywords. The user has the option of limiting the search to a particular forum or category or they can search the entire forum. In addition the user may specify whether to search the in the entire message or just in the message subject.

## I-Spy & Online Status

I-SPY is a neat feature, that if enabled will allow forum users to see what other forum users are doing at this very moment.

The forum also keeps track of the currently online users, and indicator is placed beside each message showing whether the author of the message is currently online or not. This too can be disabled via the global control panel.

## **FUDcode**

FUDcode is a series of text formatting tags that allow users to style the text of their messages & signatures. More information about this features as well as the complete list of supported tags can be found [here](#).

## **Smilies/Emoticons**

Smilies are commonly used codes to represent emotions, such as :) for example is generally used to indicate happiness. FUDforum 2 has a list of 30 commonly uses smiley codes that will be replaced with image representing the corresponding emotion the author is trying to convey. The administrator can add/edit/delete the supported smilies via the smilies control panel.

Whether or not text codes are replaced with corresponding images can be defined by the administrator on a forum by forum basis. The group management system can also be used to disallow usage of smilies.

## **Avatars**

If permitted by the administrator users can choose to have an avatar image which they can either upload to the server, specify a url to or choose from the forum's avatar galleries. The avatar images will be displayed beside their name on all of their posts.

## **Custom Tags**

FUDforum 2 allows the administrator to assign users an unlimited number custom tags that would appear on their profile as well as beside their posts. This feature can be used to indicate any special functions of the user.

Custom tags can be added or removed via the user control panel.

## **User Ranks**

User Ranks are assigned to users based on the number of posts they have made on the forum. These ranks may contain a text and/or image indicator showing the user's rank.

The administrator can add/edit/delete the available user ranks via the rank manager.

## **Censor & Replacement System**

In FUDforum 2 you can specify that certain strings or words would be replaced by the alternatives provided by the administrator. This is most commonly used to filter in appropriate language from being used in the forum.



The administrator can specify the strings that are to be replaced via the replacement control panel, which supports both basic replacement as well as regex pattern matching.

## IP Tracking

FUDforum 2 tracks the IP address of all the people who have made posts on the forum. The moderators & administrators can see the IP of the author beside each message posted. In addition to showing the IP, the IP itself is a link to a URL that shows the ISP of the person who's IP this is.

## Action Log

FUDforum 2 logs all the actions taken by privileged users such as moderators. The action log allows the administrator(s) to see when and what actions were performed by the users with special privileges. This form will also show the log of all the failed login attempts in to the administrator account.

## Message Mangling

The ability to edit, delete, move and split topics and messages.

## User Blocking

The administrator has an extensive set of tools to block people from the forum. This includes an IP filter that allows blockage of users with a certain IP mask from accessing the forum.

Email filter, blocks all users who's e-mail address matches the mask specified by the admin. This also prevents people from registering with an e-mail that matches the specified mask.

Login filter, block all users who's login matches the mask specified by the admin. This also prevents people from registering with a login that matches the specified mask.

## Session Support

If for whatever reason cookies are not enabled on the user's computer FUDforum 2 will use URL sessions to keep track of the user. Thus allowing the user use the forum even if they do not have a cookie set on their computer.

## Installation & Upgrade

FUDforum 2 includes an easy to use installation wizard that will have your forum up and running within minutes. The upgrade process is even easier, simply download the upgrade pack from *FUDforum 2 website* [<http://fud.prohost.org/>] and run the script, this script will automatically perform the all necessary upgrades from any previous forum version.

## PHP Related Features

FUDforum 2 can be successfully installed on systems with `safe_mode` enabled as well as PHP installations with `register_globals` & `magic_quotes_gpc` turned off.

## Forum Speed

Although not a feature per say, it should be noted that despite the many features FUDforum 2 is still extremely fast, probably faster then all the other forums that offer similar and even lesser feature sets. This is accomplished by a very highly tuned MySQL or PostgreSQL interface as well as a very optimized PHP code.

The forum will in most cases not take more then 0.1 seconds to generate a page.

## Security

Security is an often overlooked feature in many web based applications and as the result many of those applications have large security holes that even the most incompetent of hackers can exploit and cause a great deal damage and annoyance.

We've taken the time to ensure that the default installation of the FUDforum 2 offers the greatest possible security given the available tools, to ensure that should your web server be reasonably secure it would be very difficult if not impossible for a curious user or even a hacker to access your sensitive data.

To accomplish this task, FUDforum 2 by default will store your files with the most minimalistic permissions possible (0600 for files and 0700 for directories), allowing only the user the web server is running on to access your files.

### Note

On servers, which appropriately switch users for each virtual host, like Apache 2 this approach is even safer since all your forum's files would be accessible by you and you alone.

You may think that allowing web server access to your files is equivalent to allowing anyone to access your files. That is simply not the case, on a secure server the administrator would have setup an `'open_basedir'` PHP limitation that would have restricted php scripts from accessing files in directories not owned by a current virtual host, thus preventing people from using PHP to access files of other users.

## Chapter 2. FUDforum 2 Features

On a properly setup server any programs within the CGI wrapper would not be able to access your files as well since they would run as the user who had executed them if a proper suid interface had been setup by the server's administrator.

So, given a well setup server, even on shared hosting solution your forum's data would be quite secure.

## Chapter 3. Installation

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### Verifying your system configuration

Before proceeding with the installation process it is recommended that you determine that you have all of the software needed for the operation of FUDforum. If you would like to install FUDforum utilizing the MySQL backend you will need to make sure you system has PHP 4.0 or greater and MySQL 3.23 or greater installed. If you decide to use the PostgreSQL backend you will need PostgreSQL 7.2 or greater and PHP 4.2.0 or greater. It is always recommended that you have the latest stable version of the software you are using, since each release often fixes many critical bugs. This is particularly true for MySQL where throughout 3.23 release there were numerous fixes for index resolving which would definitely benefit your forum.

If you do not already know what PHP, MySQL or PostgreSQL version your server is running or wish to verify the information that you have, you can determine the version information by doing the following:

#### Example 3.1. Finding out PHP version

```
<?php
echo "PHP Version: ".phpversion()."<br>\n";
?>
```

#### Example 3.2. Finding out MySQL version

```
<?php
mysql_connect("127.0.0.1", "USER_NAME", "PASSWORD");
$result = mysql_query("SELECT VERSION()");
list($mysql_version) = mysql_row_arr($result);
echo "MySQL Version: ".$mysql_version."<br>\n";
mysql_free_result($result);
?>
```

### Example 3.3. Finding out PostgreSQL version

```
<?php
$conn = pg_connect("host=localhost user=USERNAME password=PASSWORD");
$result = pg_query($conn, "SELECT VERSION()");
list($pg_version) = pg_fetch_row($result);
echo "PostgreSQL Version: ".$pg_version."<br>\n";
pg_free_result($result);
?>
```

If you find that the software on your server is older than the one needed for proper installation of FUDforum, you can download the needed programs from the web, the URLs are listed below. MySQL, PostgreSQL & PHP are Open Source and you can download and use them for free, without paying any fees regardless of whether you use them for commercial or personal use.

- **MySQL** <http://www.mysql.com/>
- **PostgreSQL** <http://www.postgresql.org/>
- **PHP** <http://www.php.net/>

## Downloading FUDforum

If you did not download the sources of FUDforum, you can do so by going to <http://fud.prohost.org/download.php>. That page will always contain the latest stable version of FUDforum as well as the latest development version if you want the very latest features. FUDforum is always offered in 3 compression formats, bzip2, gzip & zip, so you should not have any problems decompressing the install script on any system. We recommend downloading the bzip2 file, as it is the smallest and will take the shortest amount of time to download.

FUDforum sources can also be obtained from CVS (Concurrent Version System).

### Example 3.4. Downloading FUDforum from CVS

```
cvcs -z3 -d :pserver:anonymous@asuka.prohost.org:/forum21 checkout fud21_install
```

Once the files are retrieved, run the following commands to create the install script

```
cd fud21_install
chmod 644 install.php
chmod 755 create_file_list
./create_file_list install >> install.php
```

### Note

You will need to have php binary installed on your system in order to generate the install.php installation script. If you already have a php binary in your system, but it is not inside `/usr/local/bin/php`, modify the 1st line inside the install.php script to reflect the proper path of the php binary on your system.

## Installing FUDforum

Now that you have the FUDforum installation script, install.php, copy the script into a web browseable directory. It is recommended to copy the script into the web directory where you intend to install the forum. To begin the installation of the forum, use your browser to access the install.php file.

Once you've accessed the script, you will see the 1st step of the installation wizard, which consists of five steps.

## Step #1: Path of System Files and Directories

During the 1st step of the FUDforum installation, you get the opportunity to specify where you want the forum's files to be installed, as well as the URL of the forum. The install script will automatically put some default values for the options asked, you can use those values, or you can change them.

### Important

If your PHP has `safe_mode` enabled, you'll see an indicator that it is enabled in red on top of the install wizard. If `safe_mode` is enabled, you **CAN NOT** use specify the directory where you've placed `install.php` as Server Root or Forum Data Root.

### Server Root

The Server Root option allows you to specify the directory path where the forum's browseable files will be stored on your server's hard-drive. You will need to specify the full path to the directory. For example:

```
*NIX: /home/user/public_html/forum/  
Windows: c:\\web\\my website\\forum\\
```

### Note

You need to enter `\\` as directory separator on Windows because normally, `\` is interpreted as an escape character. Since PHP is smart enough to convert `/` to `\` internally, on Windows, you may want to use `/` as the directory separator and save yourself the hassle of having to deal with `\\`.

### Forum Data Root

This is the location on your server's hard-drive where the forum's data files will be stored. It is **highly** recommended not to keep this directory inside a web browseable directory, since sensitive files such as messages bodies will be stored in it. For example:

```
*NIX: /home/user/public_html/forum/  
Windows: c:\\web\\my website\\forum\\
```

### Note

You need to enter `\\` as directory separator on Windows because normally, `\` is interpreted as an escape character. Since PHP is smart enough to convert `/` to `\` internally, on Windows, you may want to use `/` as the directory separator and save yourself the hassle of having to deal with `\\`.

If you for whatever reason, you choose to keep this directory in a location where it can be accessed with a web browser, consider using your webserver's security settings to block access to regular users to this directory. For example, `.htaccess` rules on Apache such as:

### Example 3.5. Securing directory with `.htaccess`

```
<Location />  
  Order Deny,Allow  
  Deny from all  
</Location>
```

### Important

The directories that you have specified as Forum Data Root and Server Root must exist and the webserver must have the permission to write to those directories before you click on the next link on the install wizard.

On \*NIX systems there are several ways you can assign proper permissions to the directories you intend to use. The simplest method is to run command `chmod 777 /home/user/directory` in your shell account.

If you do not have a shell account you can assign proper permissions to a directory by using your FTP client.

### Example 3.6. Changing permissions with CuteFTP

1. Select the directory
2. Press `CTRL+SHIFT+A`
3. Enter `777` in the manual textbox
4. Press OK



### **Example 3.7. Changing permissions with WS\_FTP**

1. Right click on the directory
2. Choose the chmod UNIX option
3. In the dialog that appeared check all the checkboxes
4. Press OK

### **Forum WWW Root**

Enter the URL to your forum, after the forum is installed, visitors will be able to access the forum by going to this URL. Any files places inside Server Root should be accessible by going to this URL.

Once you've entered all the values, click on the next link to proceed to step #2 of the installation.

## **Step #2: Database Settings**

Now that the forum's files were successfully decompressed, you will now need to specify the database settings for your forum.

### **Database Type**

Which database system to use to store the forum's data, MySQL or PostgreSQL.

### **Database Server**

This is the IP address or a UNIX domain socket that will be used to connect to the database server you intend to use.

### **Note**

For optimal performance, we recommend using UNIX domain sockets.

### **Example 3.8. Database Server**

Standard IP 127.0.0.1

UNIX Domain Socket :/tmp/mysql.sock

## Database Login

Login name for your database account.

## Database Password

Password for your database account.

## Database Name

The name of the database, where the forum's data will be stored.

## FUDforum SQL Table Prefix

A alphanumeric string that will be prepended to all FUDforum's table names. This is done to prevent conflicts with your existing tables, which may share same names as the tables used by FUDforum. As well as allow you to install multiple forums into a single SQL database by specifying a different prefix.

By default, this option has a value of "fud2\_", if you are not sure, leave this value as is.

## Step #3: Cookie Domain

Cookies are little bits of information that are stored on the user's computer, which are sent by the browser to the website which set them. Unless otherwise specified, FUDforum 2 uses cookies to track the currently logged in users, thus the user is not required to login every time.

In order for the cookie to be set properly it needs to have a correct domain specified for which you are sending a cookie. The installation script automatically figures out the most optimal cookie domain based on the URL you've entered in step #1.

If you decide to change this value **make sure** the domain has no less the 2 '.' in it, for example:

`.mydomain.com`

This is necessary because many browsers will not accept a cookie unless the domain has at least 2 dots in it.

## Note

Due to the nature of cookies, cookies cannot be set for IP address' or domains without any dot's in them. In this case, the forum will revert to using URL based sessions to keep track of users. The downside of this, is that after certain period of inactivity, usually 30 minutes, the session will expire and the user will be required to re-login.

## Step #4: Forum Language

In this step you get to choose the language that your forum will be in, the list of available languages is listed in the select box. This setting is not permanent and if you so desire you will be able to change it later once the forum has been installed.

## Step #5: Admin Account

The last step of the installer involves the creation of the 1st administrator account. You will need to enter the login name, password and the email address into the specified text boxes.

### Note

You will be able to make additional Administrators once the forum is installed.

## Installation Complete

The forum installation has now been completed, if you click on the next button you will be taken to a login form that will allow you to login into the administrator account you've created on step #5

### Important

It is of **critical importance** that you remove the **install.php** file once the installation process has been completed. Otherwise someone could re-install over the forum you have created.

## **Part II. Forum Management & Administration**

## Chapter 4. Administrating FUD Forum 2

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FUDforum 2 is controlled via series of control panels that are readily available to all of the forum's administrators via the "Admin Control Panel" link found on nearly every single page of the forum.

Using these control panels the administrator is able to adjust all of the forum's aspects as well manage the forum's files & modify the forum's templates via a convenient template editor.

## Forum Consistency

Forum consistency checks the integrity of FUDforum's data and repairs it if any inconsistency is found. This process also regenerates forum caches of various data such as moderators, topic views etc... It is highly recommended to run a consistency checker once per month on high traffic forums and once every two or three months on low traffic forums.

If you see some irregularities with the forum data or inconsistent information being displayed, run the consistency checker, in most cases this will resolve the problem.

### Note

If the problem persists after running a consistency check, please take the time to report it as a bug, by going to the *FUDforum 2 support forum* [<http://fud.prohost.org/forum/>]

### Warning

While this process is running your forum will be disabled.

## Rebuild Search Index

FUDforum includes a full text search that allows the user to search the messages posted on the forum by both subject and message body.

When a user posts a message the text of that message is automatically added to the search index, unless you've set your FORUM\_SEARCH option to no.

The search index rebuild process will go through every message on the forum and re-index it's data for the search engine. This process, as you can imagine, is VERY CPU intensive and will take a fair amount of time to run. The actual time taken depends on the number of messages you have in your forum.

This process is generally unnecessary, unless you've decided to re-enable the full text search of the forum or have completed an conversion process from a forum other then FUDforum to FUDforum and need to generate a search index of the imported messages.

### Warning

While this process is running your forum will be disabled.

## Compact Messages

FUDforum will try compact it's message storage file. During normal operation FUDforum only writes to it's message file, never deletes from it, this is done because it has great performance benefits and is a very fast way to store message



bodies. If you are running low on drive space you can try to have FUDforum try to compact it's message file, this will try to remove all the old unused bodies off all edited messages.

### **Note**

Unless there is a lot of deletion and message editing on your forum, the amount of space saved will be minimal.

### **Warning**

While this process is running your forum will be disabled.

## **Global Settings Manager**

This control panel allows you to alter the various system settings of the forum. Pay careful attention to what you are doing while making changes on this control panel, since it possible to break your forum by entering wrong values in certain places.

Due to the importance of that control panel there is basic help for every option on the control panel itself.

## **Global Options**

### **Primary Forum Options**

#### **Forum Title**

The title of the forum. The text entered here will appear inside the HTML <title> tag.

#### **Forum Enabled**

This toggle shows you whether or not your forum is enabled as well as allows you to enable and disable your forum.

When your forum is disabled the users will see the message you put inside Disabled Reason when they try to access any of the forum's pages.

#### **Disabled Reason**

When your forum is disabled this message, which can contain HTML will be displayed to anyone trying to access the forum's pages.

## **Allow Registration**

This toggle allows you to enable or disable new user registration.

## **Forum Directory Paths**

### **Include Directory**

This is where all the compiled forum include files (\*.inc) will be placed.

#### **Note**

Do not alter this option unless you are % certain of what you are doing.

#### **Important**

If you change this directory make sure the webserver has write permissions to it.

#### **Note**

Safe Mode users also must make sure the directory is owned by the same account as the webserver.

## **Your Forum's URL**

This is the base URL of your forum.

#### **Note**

Do not alter this option unless you are % certain of what you are doing.

## **Error Directory**

This is the directory where the forum's error logs will be stored.

#### **Note**

Do not alter this option unless you are % certain of what you are doing.

### **Important**

If you change this directory make sure the webserver has write permissions to it.

### **Note**

Safe Mode users also must make sure the directory is owned by the same account as the webserver.

## **Message Storage Directory**

Inside this directory the bodies of all message, normal & private are stored.

### **Note**

Do not alter this option unless you are % certain of what you are doing.

### **Important**

If you change this directory make sure the webserver has write permissions to it.

### **Note**

Safe Mode users also must make sure the directory is owned by the same account as the webserver.

## **Temporary Directory**

This is the directory where any temporary forum files will be placed.

### **Note**

Do not alter this option unless you are % certain of what you are doing.

### **Important**

If you change this directory make sure the webserver has write permissions to it.

### **Note**

Safe Mode users also must make sure the directory is owned by the same account as the webserver.

## **File Storage Directory**

Inside this directory all the file that are attached to forum's messages are stored.

### **Note**

Do not alter this option unless you are % certain of what you are doing.

### **Important**

If you change this directory make sure the webserver has write permissions to it.

### **Note**

Safe Mode users also must make sure the directory is owned by the same account as the webserver.

## **Forum Settings Directory**

Various settings file that are created by the forum are stored inside this directory.

### **Note**

Do not alter this option unless you are % certain of what you are doing.

### **Important**

If you change this directory make sure the webserver has write permissions to it.

### **Note**

Safe Mode users also must make sure the directory is owned by the same account as the webserver.

## **Path to Mogrify Utility**

Mogrify is an ImageMagick utility that allows you to manipulate images. If you have such a utility specify the full path to it in this option. By doing so, you will gain the ability the scale down user uploaded avatars if they exceed the dimensions you've specified.

## Note

ImageMagick and its utilities can be downloaded freely from *ImageMagick website* [<http://www.imagemagick.org/>].

## Database Settings

### Database Server

The IP or UNIX Domain Socket of your database server. We recommend using the UNIX Domain Socket since it is much faster then TCP/IP.

## Note

If you decide to specify a UNIX Domain Socket you need to put ':' in front of it. For example:  
`:/tmp/mysql.sock`

### Database Login

The login name for the database you intend to store forum data in.

### Database Password

The password for the database you intend to store forum data in.

### Database Name

The name of the database you intend to use to store your data in.

## Use Persistent Connections

Use persistent connections when connecting to a database. This is a performance enchanting feature which if enabled will make your forum somewhat faster. Improvement is the result of PHP not needing to open a new database connection each time a script is executed, but rather use an existing connection instead.

This option does have it's drawbacks, on forked web servers such as Apache, every Apache child will create a persistent socket for itself. This can potentially exhaust number of allowed database connections if the number of Apache children with open connections to database exceed the allowed number of database connections, thus preventing topics without an open connection to connect to the database server.

## Private Messaging

### Allow Private Messaging

Whether or not forum members can send private messages to one another.

### File Attachments in Private Messages

How many file attachments a user can attach to each private message. Setting this option to 0, will disable file attachments for private messages.

### Maximum Attachment Size

The maximum size, in bytes, of the file(s) a user can attach to their private messages.

### Allow Smilies

Whether or not smilies/emoticons in private messages will be converted to their graphical equivalents.

### Allow Images

This option allows you to limit how many images can users include inside their private messages.

### Note

This limit will only work if the tag style is FUDcode, won't work if you allowed your visitors to use HTML.

### Tag Style

What kind of text formatting options are available to the user.

- **FUDcode** Users can use FUDcode styling tags to format their messages.
- **HTML** The users can use HTML inside their messages.
- **NONE** only plain text is allowed.

## **Maximum Private Messages Folder Size**

The maximum amount of data, in bytes, the users can store inside their private message folders. This does not include the space taken up by the file attachments attached to private messages.

## **Cookie & Session Settings**

### **Cookie Path**

The path of cookie used by the forum. Outside of this path the cookie will not be accessible.

By default the cookie path is the path to the forum. For example, if your forum URL is "http://mydomain.com/forum/" the cookie path will be "/forum/". If you wanted your entire site to be able to access the forum's cookies, change the value of this option to "/".

### **Cookie Domain**

The domain name for which a cookie is being set, the domain **MUST** be the same as the one used to access the forum, as specified in the WWW\_ROOT option.

### **Important**

For browser compatibility this values **MUST** have no less the two '.' in it.

### **Note**

Do not alter this option unless you are % certain of what you are doing.

### **Cookie Name**

The name of the cookie that will be used by the forum. By default a random value is picked for this option to prevent conflicts with any other cookies you may already have. In the very unlikely event that you already have a cookie with such a name, change the value of this option to something else.

### **Cookie Timeout**

This is the period of time, in seconds after which the browser will remove the cookie. The user who's cookie expired will then need to re-login in to the forum.

By default the cookies are set to expire 7 days they are set. Each time the user access the forum the cookie is renewed for another 7 days.

## Session Timeout

If cookies are not used or are not available sessions will be used instead. They work by passing the information normally stores in a cookie via GET/POST across the forum. Each time a user access' a page their session gets renewed.

This option defines the amount of time, in seconds after which the session expires and a user will be required to re-login. For security reasons do not set this to a high number.

By default, sessions will expire after 30 minutes.

## Custom Avatar Settings

### Avatar Approval

This toggle defines whether or not the administrator(s) need to approve all the URL & Uploaded avatars before they are activated.

#### Tip

Leave this option set to YES, unless you have absolute faith in your users and are certain they will follow the size limitations you've defined.

## Custom Avatars

FUDforum 2 allows for a number of ways that a user can specify their avatar, if avatars are allowed. This option allows you to define is avatars are allowed and if so, what type of avatars the users may use.

The URL & Uploaded avatars will first need to be approved by the admin before they are activated, unless you specified in the Avatar Approval option, that the admin does not need to approve those avatars.

- **URL** The user can specify their avatar by entering a URL of an image.
- **Uploaded** The user can upload an image from their hard drive to be their avatar.
- **Built In** The user choose an avatar from the ones available in the forum's avatar gallery.



## Note

You can add avatars into the avatar gallery via the Avatar Manager control panel.

- **ALL** The user can specify their avatar by specifying a URL to an image, uploading one to the server or choosing from the forum avatar galleries.
- **OFF** The avatars are disabled.

## Note

The actual control panel will have additional values allowing you choose a combination of any of the first three options.

## Maximum Size of Custom Avatars

This is a limit, in bytes, on how big of an image a user can upload as their avatar.

## Maximum Dimensions of the Avatar Image

This the maximum width x height dimensions of the avatar the user can specify.

## Tip

The uploaded avatars can be scaled down by the admin during the avatar approval process if the path to Mogrify utility is specified.

## Signature Settings

### Allow Signatures

Whether or not forum users can specify signatures that will be appended to their messages.

### Tag Style

What kind of text formatting options are available to the user.

- **FUDcode** Users can use FUDcode styling tags to format their messages.

- **HTML** The users can use HTML inside their messages.
- **NONE** only plain text is allowed.

### **Allow Smilies**

Whether or not smilies/emoticons in signatures will be converted to their graphical equivalents.

### **Allow Images**

Whether or not images are allowed in signatures.

### **Maximum Number of Images**

This option allows you to limit how many images can users include inside their signatures.

#### **Note**

This limit will only work if the tag style is FUDcode, won't work if you allowed your visitors to use HTML.

### **Spell Checker**

Whether or not the spell checker is enabled.

#### **Note**

This option will only work if your PHP has the pspell module enabled.

### **Email Settings**

#### **Allow E-mail**

Allow the users to send e-mails to other forum members using the forum's internal e-mail client.

## **Use STMP To Send Email**

Whether or not to use FUDforum smtp gateway to send email instead of standard PHP mail() function.

### **Note**

Not recommended, unless you need SMTP AUTH or wish to use alternate SMTP server on UNIX systems.

## **SMTP Server**

The ip or host name of the SMTP server to use when sending out emails via SMTP.

## **SMTP Server Timeout**

The number of seconds to wait for the SMTP server to respond to a request.

## **SMTP Server Login**

If your SMTP server requires SMTP Authentication, use this field to specify the login name that will be used when accessing the SMTP server.

## **SMTP Server Password**

If your SMTP server requires SMTP Authentication, use this field to specify the password that will be passed to the SMTP server.

## **E-mail Confirmation**

If enabled each new registration will need to be confirmed via email. A special URL will be sent to the e-mail specified by the user during registration, which once accessed will activate their account.

Unconfirmed accounts will be removed after a set amount of days as defined by the UNCONF\_USER\_EXPIRY option.

## **Administrator E-Mail**

The e-mail address of the administrator.

## **Notify From**

All of the system e-mails sent from the forum, such as e-mail post notification, registration confirmation etc... will come from this address.

## **Notify W/Body**

If enabled, then e-mail notifications will include the complete HTML body of the message, allowing the user to read the message's text via their e-mail client as well as reply to the message by clicking on the reply/quote buttons.

In the event the user's e-mail client does not support HTML, the e-mail contains a text version of the message as well.

## **General Settings**

### **Maximum Smilies Shown**

The maximum number of smilies/emoticons to show shortcuts for on the message posting forms. To see the rest the user will need to click on the "list all smilies" link.

### **Public Host Resolving**

Toggle the showing of the partially resolved host name of the message's author to other users. For example:

`me.myself.com` will appear as `.myself.com`

This may slow down the posting process, especially, if the user's host mask takes a while to resolve.

### **Maximum Shown Login Length**

The maximum number of characters of a user's login name to show on all pages with the exception of user info page.

### **Maximum Shown Location Length**

The maximum number of characters of a user's location to show on all pages with the exception of user info page.

### **Logged In Users List Enabled**

Whether or not the list of currently logged in users is displayed. By default this list is shown on the forum's front page.

### **Logged In Users List Timeout**

The amount of time, in minutes, after which a user is considered to be no longer logged in.

### **Allow Action List**

If enabled it allows other forum users to see what their counterparts are doing on the forum at the time.

## **Important**

This option requires that the Logged in List be enabled.

## **Online/Offline Status Indicator**

If enabled, this option will indicate whether a user is online or offline beside all their message.

## **Use Aliases**

If enabled, each user would have the ability to specify a nick name other then their login name, the specified nick name, would then be displayed on the forum instead of that user's login name.

## **Multiple Host Login**

If enabled, this option would allow the user to have more then 1 simultaneous logged in sessions from different browsers/computers. This is useful, if many of your users use more then 1 computer to connect to your forum and do not wish to re-login each time they switch between computers.

By default this option is disabled, because a left over session on a computer could allow another person with access to that computer use the forum under the logged in person's account. Normally, when a user logs in, all of that user's other sessions are immediately invalidated by this action.

## **COPPA**

If enabled the users, will be required to indicate whether or not they are older then 13 years of age before registration. If they are not, then their legal guardians will be required to confirm the the account via Fax or E-mail.

All US based sites must leave this option enabled to comply with the Children's Online Privacy Protection Act of 1998 (COPPA)

## **Posts Per Page**

How many messages to display per page.

## **Topics Per Page**

Indicates how many topics to show per page.

## Polls Per Page

The number of polls that will be displayed per page on the poll list form.

## Default Topic View

Allows the admin to specify the default message view.

- **Flat View** Standard bulletin board view.
- **Tree View** Draws a tree like view of the messages. Similar to how messages in the newsgroups are displayed.

## Word Wrap

This setting defines on how many characters to wrap message bodies on, any text string longer the the number of characters specified in this option will be broken down into 1 or more strings using a space as a separator.

Set this to 0 to disable word wrapping.

## Unconfirmed User Expiry

The number of days unconfirmed forum members are held in the database. They will be removed from database after this period of time.

## Flood Trigger

The minimum time delay, in seconds between message posting. This option is used to prevent automated posting scripts that would attempt to post many messages at once.

## Moved Topic Pointer Expiry

The number of days to show a pointer of a moved topic from the original forum to the new forum. The pointer will be removed after this period of time.

## Server Time Zone

Server time zone.

## **Forum Search Engine**

If enabled the users will be able to do full text searches on the content of the posted messages. If you wish to increase the speed of the posting process or save on space used by MySQL you should turn this option off.

In the event Forum Search is disabled the search index will not be populated at the time of posting. If you later on decide to enable the search engine you will need to Rebuild Search Index.

## **Member Search**

If enabled it will allow forum visitors to search for registered forum users by login and/or email.

## **Members Per Page**

How many forum members to display per page on the members list page.

## **Anonymous Username**

The name that will be used to refer to all unregistered forum users.

## **Quick Pager Link Count**

How many page links to display beside a topic that exceeds 1 page in length as defined by the THREADS\_PER\_PAGE option.

## **General Pager Link Count**

This is the number of direct links to pages that will be shown in the pager, excluding << < > >>.

## **Show Edited By**

If enabled then all the messages that were later edited by the author of the message will have an indicator showing that the message was edited by it's author.

## **Show Edited By Moderator**

If enabled then messages edited by the moderator or the administrator will have an indicator indicating showing that the message was edited by someone other then the message author.

### **Edit Time Limit**

The time limit, in minutes, past which the users will no longer be able to edit their own messages.

Set the value to 0 to give unlimited editing time.

### **Display IP Publicly**

Whether or not to display the IP address of the message's author for all forum users.

#### **Note**

All forum administrators and moderators will be able to see the IP of the message author regardless of this option.

### **Max Image Count**

The maximum number of images a user may include in their forum messages.

#### **Note**

This limit will ONLY work if the FUDcode style is being used.

### **# Of Moderators To Show**

An indicator of how many forum moderators to show beside each forum on the front page.

### **Public Stats**

If enabled, at the bottom of each page forum users will be able to see how long it took to generate the page as well as how many MySQL queries were ran and their timings.

### **Forum Info**

If enabled forum statistics will be displayed on the front page. These include total number of approved posts, number of topics and registered users and the last registered user

## **Replacement & Censorship System**

The Replacement & Censorship System allows the admin to replace certain strings in the messages, signatures and biographies of the users with another text string.



The most common use of this system is to censor certain words and phrases that the admin feels are in appropriate for the forum. For this purpose FUDforum 2 offers two syntaxes for replacing text ranging from a simple replace to a complex regular expression.

### String Replace

The most basic and the easiest to use string replacement option is "String Replace". This option will allow you to specify the 'Replace' string with its alternative the 'With' string. For example, if you specify the replace string as "haystack" and it's alternative as needle then

```
this haystack is sharp.  
will be converted to:
```

```
this needle is sharp.
```

### Perl Regex

Perl Regex will use a perl regular expression library to perform a replacement on a text or a text mask. This although slower than str\_replace it allows for a much more powerful and sophisticated text manipulation.

#### Note

This functionality uses PHP's PECL library and utilize the preg\_replace function. PHP's documentation of this function and its capabilities & syntax can be found *here* [<http://www.php.net/manual/en/function.preg-replace.php>].

Lets say, you want to replace all words containing the string 'spoon' with 'fork'. Clearly you cannot use String Replace for this because it would not replace the entire word but only the 'spoon' part. For this purpose you need to use the power of regular expressions.

Inside the 'Replace' field we enter the

```
!(\s|^)([^\s]*?)spoon([^\s]*?)(\s|$)!i  
regular expression and enter
```

```
\1fork\4
```

as the 'With' alternative. The end result of this regex that any word containing the string 'spoon' will be replaced with "fork". Because we've added the 'i' parameter to our regex, which made it case-insensitive, so even the "SpOon" instances will be found and replaced.

Because the regular expression is generally rather complex there is no easy way FUDforum 2 can figure out how to reverse it back, so that when the person is editing their text they can see the text that they have originally entered. Therefor you get 2 extra fields ('From post' and 'To')were you get to specify the "reverse" regex that would convert

the replaced data back its original form. Based on the previous example involving "fork" & "spoon" the conversion back strings would look like this:

```
From post: !(\s|^)fork(\s|$)!  
To: spoon
```

## Note

The messages & signatures entered prior the the addition of a replace will not be affected by the newly added replace syntax.

## MIME Managment System

This control panel allows you to manage mime types & icons for the various files that the forum users can attach to their messages.

MIME types are special strings sent to the browser that tell the browser how to interpret the file. For example .exe file would have a application/application MIME type, which would tell the browser that the file should be saved to the user's hard rive instead of trying to open the file. On the other hand for .jpg image the forum would send a image/jpeg MIME, which would tell the browser to display the image in the browser window.

The MIME types are determined by the file extension and compared to the extensions of the supported MIME types inside the FUDforum 2 database. If the file does not match any MIME types it would be assigned the generic application/octet-stream MIME type, which would tell the browser to save the file rather then try to display it.

The forum by default comes with 30 or so default MIME types that cover the most commonly used file types, so unless you have special file types not covered by this list you will not need to use this control panel.

Adding of a new MIME is normally a 2 step process, first you upload the image that you want to represent your new MIME and then you enter the actual MIME information such as a description, file extension and mime header. The 1st step can be bypassed if you already have an image that you wish to use in association with this MIME by choosing the image from the list of the ones already available in the forum.

## Uploading MIME image

At the top of the MIME managment form there is a simple control, which allows you to choose an image from your drive and upload it to the server. Clicking on a browse link will open up a dialog allowing you to pick the image.

Click on the upload link to upload the image to the forum.

The preview of the uploaded image will appear on the MIME Managment control and the file name will automatically be inserted into the MIME Icon textbox.

## Editing/Adding MIME Information

Now that you've uploaded your MIME image you can now specify the MIME information. If you choose to use an existing image, by clicking on the "select MIME icon" link that would pull up a pop-up window where all the MIME images in the system will be displayed and you'll be able to choose the one you want by clicking on it.

If you are editing a MIME, the information for the MIME will be automatically inserted in to the appropriate fields so you can easily edit it.

### MIME Description

Use this field to enter a quick description of the MIME. This field's data will not show up anywhere on the forum other then this form.

### MIME Header

This is the MIME header that will be sent to the browser when the user downloads a file that matches this MIME type.

### File Extension

Files that end with this extension will be attributed assigned mime type.

This value is case-insensitive, so jpg and JPG are the same thing as far as MIME management system is concerned.

### MIME Icon

This is an image that will be displayed beside all file attachments that are of this MIME type.

### Preview Image

This field uses JavaScript to give you a preview of the currently selected MIME Icon.

Once all the MIME information is set to your satisfaction click on the "Add MIME" or the "Update" button, depending of whether you're adding or updating a MIME, to submit your changes.

## MIME List

At the bottom of the MIME Manager there is a list of all the MIME types supported by the forum. Beside each MIME there is an edit link allowing you to edit this MIME as well as a delete link, which will delete the MIME.

## File Manager

The file manager is a utility that allows you to easily manage files inside the forum's directories. Using this tool you can change file permissions, upload files, delete files as well as download files using your web browser.

The file manager displays the file & directory listing akin to the one shown by the \*NIX 'ls -lia' command, with a slight addition of showing the permission's integer value.

### Example 4.1. File List Example

```
Mode   Owner Group Size Date Time  Name  Action
-rwxrwxrwx- (777) forum forum 0 KB Mar 13 18:28:03 blank.gif  chmod | down-
load | delete
```

## Note

This utility is only for \*NIX installations, it is not available for Windows installations of the forum.

## Making Directories

The file manager allows you to create directories. Simply enter the directory in the 'Directory Name' textbox and click on the 'Create Directory' link. This will create a directory with the name you've specified inside current directory.

## Uploading Files

You can also use the file manager to upload files from your computer into the forum.

In the File Upload control use the 'browse' button to select the file from your hard drive. If you want to give name other than the original name to the file you are about to be upload, enter the new name inside the 'File Name' textbox. Now, click on the 'Upload File' button to upload the file into the directory you are currently in.

## Deleting Files & Directories

The file manager can also be used to remove forum files & directories. This can be accomplished by clicking on the delete link beside each file or directory.

### Note

Directory **MUST** be empty before it can be deleted.

For safety there is an intermediate stage in the deletion process that will ask you to confirm the fact that you want to delete a file or directory. This is done to prevent accidental file deletion.

## Downloading Files

Beside each file there is download link, if clicked it would allow you to download the file to your hard drive.

## Changing File Permissions

The primary feature of the file manager is the ability to change permissions on the forum's files and directories. This can be accomplished by clicking on the 'chmod' link, which will pop-up a windows where the files and/or directory permissions can be changed.

## Lock/Unlock Forum's Files

FUDforum 2 is designed with a security minded approach to data storage. This means that FUDforum 2 tries to ensure that your forum's data is as secure as possible. Therefor the forum's files are kept with the most minimalistic permissions (0600 for files and 0700 for directories), allowing only the web server to access those files. Thus they can be altered only using the forum's control panel, preventing other users from seeing and modifying your files.

There may be situations where you would need the ability to access many or all of the forum's files right away and changing permissions of each file using the file manager would be excessively difficult.

This control panel allows the administrator to 'unlock' the forum's files hence allowing those files to be accessed via FTP and SSH/Telnet. Once your are done, is is **HIGHLY** recommended that your 'lock' the forum back hence re-instating the secure permissions on your data.

This form can work virtually independently of the forum, so to 'lock' or 'unlock' files the administrator would need to specify their login & password and click on the appropriate button depending on which action they wish to perform.

## Note

This utility is only for \*NIX installation, it is not available for Windows installations of the forum.

## Forum Statistics

This utility allows you to gather statistics about your forum's usage. In addition to forum statistics this utility will also show you a detailed breakdown of the hard drive space used by the forum as well as the amount of MySQL disk space used by the forum.

The statistics engine can be used to analyze the following information:

- **Number of Posted Message** The number of posted within a defined time frame.
- **Number of Topics** The number of topics within a defined time frame.
- **Registered Users** The number of new user registrations within a defined time frame.

You can also specify the detail of the information, by specifying the level of detail, such as daily, weekly, monthly or yearly.

## Action Log Viewer

All administrative actions of privileged users are logged by FUDforum 2 so that they can later be reviewed by the admin.

This control panel allows the admin to see this information by displaying the user name, action, the affected forum data as well as the time of the event.

## Tip

In addition to logging actions of privileged users this control panel also allows the admin to see failed logins attempts into any of the accounts that have administrative access to the forum, with the IP address of the user who attempted to login. This is an extremely useful feature for tracking down attempted hacking attempts, by people who try to gain administrative access by guessing the password of the administrator(s).

## System Info

Provides various details about the server setup of the machine FUDforum 2 is running on.

## **Important**

When reporting a bug with a forum, please include the output of this control panel.

## **Category & Forum Management**

The Category & Forum Management control panel allows the administrator to manage the forum's categories and forums. This is a 2 stage control panel, first stage involves the category management and the 2nd deals with the forums inside a particular category.

### **Category Management**

The first control panel you see when you click on the 'Category & Forum Management' link is the category manager. This control panel allows you to create/edit/remove and reposition the categories of your forum.

At the top of the page there is a form that would allow you to add a new category. When you are editing a category the form's values will be filled up with the category's properties allowing you to edit them.

### **Category Name**

The name of the category.

### **Description**

Description of the category, this text will appear adjacent to the category name.

### **Note**

You can put raw HTML into this field.

### **Collapsible**

Whether or not the users can collapse this category on the front page.

### **Default view**

Whether or not this category will appear collapsed or uncollapsed by default on the front page.

## **Insert position**

Where to insert the category, below or on top of all the other categories in the forum.

Below the form there is a list of all the existing categories in the forum. This list contains links that allow you to edit the category, delete a category, change its position in the category list and edit the forums inside this category.

## **Edit Forums**

When you click on this link you will be taken to a forum management page, allowing you to manage the forums assigned to this category.

## **Edit Category**

Edit the category options & properties.

## **Delete**

Clicking this link will delete the category and all of the forums assigned to it.

## **Change Position**

Clicking on the change link will allow you to change the order in which this category is displayed on the forum's pages.

## **Forum Managment**

The forum manager allows the administrator to manage forums that are assigned to a particular category. This includes adding/removing controls, ability to move a forum to a different category as well as change display order of the forum.

The first item on the forum manager page is form that allows the admin to add and edit forums. When a forum is being edited the forum's settings will be pulled into the form for ease of editing.

## **Forum Name**

The name of the forum.



## Description

Forum's description, this text will be shown right below the forum name.

### Note

Can contain raw HTML.

## Tag Style

What kind of text formatting tools are available to the user.

- **FUDcode** Users can use FUDcode styling tags to format their messages.
- **HTML** The users can use HTML inside their messages.
- **NONE** only plain text is allowed.

## Password Posting

Whether or users will be required to enter a special password in order to be able to post messages inside this forum.

## Posting Password

If you've specified that users must enter a password in order to post messages, you should enter the password inside this field.

## Moderated Forum

If set to yes, any new message will need to be approved by the forum's moderator or an administrator before it becomes visible to the public.

## Max Attachment Size

The maximum size, in kilobytes of the attached files users can attach to their messages.

## Change Position

The maximum number of files users can attach to their messages.

## **Message Threshold**

Only the number of bytes of the messages inside this forum will be shown. For example, if you set this limit to 1000 bytes and a user entered a 1500 byte long message only the 1st 1000 bytes of the message will be shown. To see the rest the message user will need to click on the 'Show the rest of the message' link.

### **Note**

Setting this option to 0 means that unlimited message length is allowed, effectively disabling this feature.

## **Forum Icon**

You can choose to have an icon displayed beside the forum. By clicking on the 'SELECT ICON' link you will be able to choose an icon for your forum.

You can upload additional forum icons in addition to the one installed by default via the Forum Icon Manager.

## **Insert position**

Where to insert the forum, below or on top of all the other forums in the category.

Below the forum editor there a list of all the forums inside the category you are editing. Using this listing you can edit, delete, move to another category or change the position of the forum inside the current category.

## **Edit**

Edit the forum options & properties.

## **Delete**

Clicking this link will delete the forum.

## **Move**

This option allows the administrator to move a forum from its current category to a different category.

## **Change Position**

Clicking on the change link will allow you to change the position of forum on the page. For example move the 4th forum inside the category to the 2nd position.

## Deleted Forums

When a forum is deleted it is not immediately removed from the database but rather moved to a trash bin of sorts. It is done to allow the admin to restore the accidentally removed forums, since once they are truly removed there is no going back.

This control panel allows the admin to see all the forums inside the 'trash bin' and allows the admin to either restore the forum, by choosing a category where to restore the forum by clicking on the 'Reassign' button or to truly delete the forum by clicking on the delete link.

### Tip

It is a good idea to run the Compact Messages utility after deletion of a forum, especially if that forum had many messages in it.

## Announcement Manager

Announcement manager control panel that allows the administrator to create global announcements that would appear in selected forums at the top of the topic listing.

### Forums

This option allows the administrator to define in which forums the announcement will appear, by selecting the checkbox beside the each forum. There is also a convenient 'All' button for selecting all of the forums at once, as well as a 'None' button to unselect all of the selected forums.

### Starting Date

This option specifies from which date the announcement will be visible.

### Ending Date

The announcement will not be shown past this date.

### Subject

The subject of the announcement.

## Message

This is the actual content of the announcement, you can put raw HTML into this textarea.

Below the announcement creation/editor form there is a list of all the current announcements in the system. Beside each announcement there is a link allowing the administrator to edit or delete the announcement.

## Topic Pruning

The topic pruning control panel allows the admin to remove topics that are older than a certain date.

## Time Period

Whether the indicated 'age' is a number of days, weeks, months or years.

## Numeric Value

Topics that are older than this number of days, weeks, months or years as specified by the 'Time Period' option, will be pruned.

## Forum Limiter

Allows the admin to specify a specific forum or category which to prune or whether to prune all forums.

Once you click on the prune button the forum will calculate the number of topics that will be affected by the pruning and ask you to confirm that you indeed wish to prune that number of topics. If you confirm the process the affected topics will be removed.

## Tip

It is a good idea to run the Compact Messages utility after doing topic pruning.

## Moderator/User Manager

This control allows the administrator to manage users as well as assign and/or remove moderation permission from users.

## Choosing a User

The first step of managing a user is picking a user which you want to edit. You can do so by entering the login name or the email address of the use into the appropriate fields on the user manager control panel.

The control panel allows for partial matching, so you can enter masks such as 'ad\*', which would find all users who's login name begins with an 'ad'.

If there is only one matching user, their information will be retrieved into the user manager. If more then one user matches, then you will be presented with a list of all the matching users and will be able to pick the user you want to manage by clicking on their login name.

Now that you've pulled up the user information inside the user manager you can proceed to modify the various user settings.

## Change Login Name

The user manager allows the administrator to change the login of the user who's account is being edited. This can be accomplished by entering a different login into the 'Login' field and clicking on the 'Change Login Name' button.

### Note

Make sure the login you're going to enter is not already in use, otherwise the process will fail.

## Change Password

The user manager allows the administrator to change the password of the who's account is being edited. To change the password enter a new password into the 'Password' textbox and press the 'Change Password' button.

### Note

By default 'Password' textbox will always be empty since passwords are encrypted with a 1 way algorithm, MD5 for greater security and cannot be decoded back.

## Change User's Profile

Clicking on this link will take the administrator to the profile control panel where they can edit the user's profile and settings. The administrator will need to enter the their password on that form to activate any of the changes that were made.

## Forum Administrator

This options shows whether this user is an administrator or not. By clicking on the toggle link the administrator can assign or remove administrative privileges from a user.

## Blocked

Whether or not this user is blocked from posting messages on the forum.

## COPPA

Whether or not this account requires COPPA confirmation.

### Note

If the value is set to 'Y', then this account is pending COPPA confirmation.

Children's Online Privacy Protection Act of 1998 (COPPA) indicates that all accounts of children under the age of 13 must be confirmed by their legal guardians via FAX or Snail Mail.

## E-mail Confirmation

Whether or not this account has been confirmed via e-mail. If enabled in the admin control panel all new accounts must be confirmed via e-mail before they activated.

## Moderating Forums

Shows the list of the forum this user is moderating. Clicking on the 'Modify Moderation Permissions' link will open up a pop-up with a list of all the forums. By checking a checkbox beside each forum the administrator can assign moderation permissions for that forum to this user. Unchecking a checked checkbox will remove moderation permissions from the user.

## Custom Tags

The administrator can assign an unlimited number of custom tags to a user. This option allows the admin to enter the new custom tags for the user, by entering the text into the 'Custom Tags' textbox and pressing the 'Add' button.

### Note

Custom tags may contain raw HTML.

All of the user's current custom tags are listed above the textbox and can be removed by clicking the 'Delete' link beside each custom tag.

Custom tags are little bits of text and/or HTML that are displayed on the user's profile page as well as inside the author information bit beside all their messages.

At the bottom of the user control panel there are a number of links that allow the admin to take certain actions in regard to the selected user.

## **Send Private Message**

Send a private message to this user using the private messaging system.

### **Note**

This link will only be available if the private messaging system is enabled.

## **Send Email**

Send an e-mail to the user. If the forum's internal email system is enabled it will be used, otherwise standard mailto: URL will be given, allowing the administrator to send the e-mail using their mail client.

## **See Posts**

Clicking this link will show all the posts made by this user.

## **Reset Password**

Resets the user's password and sends the randomly generated password via e-mail to the user.

## **Delete User**

Delete this user account, once deleted there is no way to retrieve the user's account it will be permanently lost, be careful when using this option.

## **Groups Manager**

FUDforum 2 includes a powerful and flexible group management system. which gives the administrator fine grained control over the actions that the users can perform on the forum.

This control panel allows the administrator to manage the groups, add and remove group leaders as well as specify which permissions the group leaders can assign to members of the groups they manage. The control panel allows the administrator to define, which resources (forums) a particular group can control.

By default FUDforum 2 automatically will create a group for every forum that is created. Those groups will carry the same name as the forum with the addition of the 'FORUM:' prefix. These groups cannot be deleted manually and will automatically be removed when the forum is deleted.

In addition FUDforum 2 also has two global groups, 'Global Anonymous Access' and 'Global Registered Access', the group serve a special purpose of defining the default permissions for special 'anonymous' and 'registered' users, who's permissions define the actions those users may perform.

### **Example 4.2. Global Groups**

Lets say that you do not wish to give the anonymous users the ability to read messages inside any new forums you create. You can do this by modifying the permissions for the anonymous user in every automatically generated group created for new forum. This is obviously is rather awkward and inconvenient especially on large forums.

In this case using a Global Group can simplify and automate the process. By editing the 'Global Anonymous Access' group and taking away the 'Visible' & 'Read' permissions you ensure that any new auto-generated groups will not allow anonymous users to view the resources (forums) that this group controls. With this single change, you were able to avoid much manual labor of having to change the permissions granted to anonymous users in every group, which affects anonymous users.

## **Group Resources**

Resources describe various things that the group system can control the permissions for, currently the group system is only capable of controlling forums, in the future its possible that the group system will be tasked with controlling permissions for other resources.

It's possible to have a group control multiple resources

### **Caution**

It's possible to have resource conflicts, for example giving two groups control of the same resource. This isn't a problem for the group system as it will try to intelligently resolve the situation, see the section called "Resolving Conflicts"



## Group Leaders

Group Leaders are users who have the ability to add other users to groups and control their permissions, When adding other users to a group using the group manager control form they are able to specify the permissions of the user they are adding. However, a group leader can never give a user a permission for something that he himself is unable to do.

### Caution

It's possible to have group leader conflicts, this shouldn't be a problem for the forum as it will try to intelligently resolve the situation see the section called "Resolving Conflicts"

Beside each group there is a list of permissions, the permissions which are set to 'Yes' can be assigned or removed by the group leaders from the users in the group.

If a particular permission is set to inherit, then this permission will be retrieved from the group who's permissions the current group inherits.

### Example 4.3. Permission Inheritance

Lets suppose there is a group 'Group A', which allows the group manager to control the 'Visible','Read' and 'Post' permissions. There is also group 'Group B', which inherits 'Visible' and 'Read' permissions from 'Group A'.

While the permissions in 'Group A' allow the group manager(s) to control 'Visible' and 'Read' permissions same would be true for group manager(s) in the 'Group B'. Should the administrator take away the ability to control the 'Read' permission from the forum 'Group A' managers, the 'Group B' managers will also loose the ability to change the 'Read' permission from the members of their group.

The inheritance option is particularly useful if you are creating many similar groups and/or wish to have the ability to change the permissions of multiple groups by altering the permissions of a single group.

## Managing Leaders

Beside each group there is a 'Manage Leaders' link, which would allow the administrator to add and remove group leaders. The list of current group leaders is also listed beside each group.

### Tip

If you do not know the exact login of the user you wish to make a leader, enter a partial login and the list of matches will be presented to you.

## Adding & Editing Groups

This form, which is located top of the page allows the administrator to add and edit groups.

### Group Name

Group name can be whatever you want, it's preferable you name it something descriptive for future reference. It is generally a good idea, to name a group in such a way that it is possible to see which resources (forums) are controlled by this group by looking at it's name.

### Group Resources

Controls the resources (forums) that the group permissions will be applied to, it is possible for a group to control multiple resources.

### Inherit From

Groups can inherit permissions from other groups, this allows you to select from which group, the current group should inherit it's permissions from.

### Tip

An example of how permission inheritance works can be found [here](#).

### Anonymous and Registered Masks

This control whether or not this group will be able to affect the permissions of the resources assigned for to this group for all of the anonymous and registered users. This is a particularly dangerous option since it can be used to grant or take away permissions from a large group of users simultaneously.

Misuse of this option, can for example block access to all registered users to all of the forums controlled by this group if used improperly.

### Permissions

These are the actual permissions of the group, they control the **maximum** allowed permissions for the group leaders and regular users belonging to this group.

Each permission can have 3 values:

- Yes, indicates that the members of this group are allowed perform this action

- No, indicates that the members of this group are NOT allowed to perform this action
- Inherit, indicates that the group inherits it's permissions from the parent group, as specified in the 'Inherit From' option.

## Adding Users to a Group

The administrator can add/remove regular users from a group by clicking on the 'Manage Users' link located near each group or by using the 'Group(s) Manager' link on the forum's pages.

## Resolving Conflicts

The group system allows a creation of conflicts by design, consider the following situation

You created a group named G1 which allows members to READ messages inside forum F1, and created a leader U1 in that group.

Now you create a group called G2, which allows members to post messages inside forum F1 and made U1 the leader of the group.

Now you have a conflict of permissions, because both G1 and G2 control the same resource and have the same user in them, so which permissions should the forum give U1? posting or viewing?

What will happen in reality, is that forum will grant group leader U1 both READ and POST permissions to the forum F1 because the logic for the group leaders is additive. Which means, that the highest possible permissions will be granted to a group leader.

This works opposite for normal users, if U1 was a normal user (i.e. NOT a group leader) then the logic would have been subtractive, that is, since is the permissions wouldn't have been added. U1 would have ended up without READ and POST permissions.

## Mass Mail System

This control panel allows the administrator to send an e-mail message to all the registered users.

## Ignore User Override

The user can specify that they wish to ignore admin's emails via their profile settings. However, if the admin feels that the message is important enough that all forum members should receive it, then they can overwrite the user's setting, by selecting this option.

## Rank Manager

FUDforum 2 allow the administrator to define user ranks that will be assigned to users once they reach a certain number of posts. This control panel allows the admin to define those ranks.

Each rank is normally a text string, however the admin may choose to have the rank represented by an image or a combination of an image and text.

### Rank Name

This field contains the text that would be displayed beside the names of all the forum users who have attained this rank.

#### Note

This field may contain raw HTML.

### Rank Image

If you wish the rank to be represented by an image enter the name of the image inside this textbox. The images that you wish to use in combination with rank's should be placed inside the forum's images directory, which can be found inside WWW\_ROOT.

### Which Image to Show

If you have chosen to have rank represented by an image, you may give this image preference over the user's avatar, that way only 1 image is displayed, or vise versa. You may also choose that both the avatar and the rank image will be displayed.

### Post Count

The minimum number of posts the user must make before they achieve this rank.

Below the rank editor form, there is a list of all the current ranks in the forum. You may choose to edit or delete the ranks by clicking on the appropriate link beside each rank.

#### Important

After making any modifications you **MUST** run the 'Cache Rebuilder' by clicking on the link at the top of the Rank Manager form.

## Theme Manager

Theme Manager is the heart of the FUDforum's templating system, this control panel allows the administrator to add/edit and remove theme that are available. The users will be able to choose a theme of their choice from the ones available via their profile.

The first part of the control panel allows the administrator to add or edit a theme + language combination, this combination is what the users will see as the theme options in their profile menu.

### Name

The name you wish to assign to a particular theme + language combination.

### Template Set

This select allows the admin to choose the template set, which will be used with this theme.

### Language

This select allows the admin to specify the language, which will be used with this theme.

### Locale

Locale is the setting FUDforum will export to PHP making php automatically format various strings such as dates according to certain language/country. This field is automatically filled in using JavaScript when you select the language, however you can change the value manually if you believe you have a better alternative to the one offered.

If you are unsure of what this option does, it is better to leave the default value as the locale setting.

### Note

On most \*NIX computers you can see the list supported locales by executing this command: `locale -a`

### pSpell Language

This options allows the administrator to select the language pack that pspell will use when spell checking messages posted by users who use this particular theme. This option will automatically have its value filled in when you choose a language.

You can disable the spell checker for a particular theme by clicking on the disable link found on right on the option or removing the value of the option.

## Default

Allows the administrator to specify whether or not this theme is default. Default theme, will be the theme that would be selected by default in the user's profile.

## Enabled

Allows the administrator to specify whether or not this theme is enabled. If the theme is enabled, forum users will be able to choose to use this theme via their profile.

The next form, 'Create Template Set', allows the administrator to create a new template set that later can be selected from the Theme Option inside the theme editor.

To create a new template set, simply enter the name you wish to assign to the theme into the text box and click on the 'Create' button.

At the bottom of the control panels there is a list of all the available themes with a number of clickable links allowing the admin to administer the available themes.

## Edit

Clicking this link will load this theme into the theme manager, allowing the admin to edit this theme.

## Rebuild Theme

Clicking this link will recompile the theme. This link should be used after any manual modifications to the theme's template, source or message files.

## Optimize Theme

This utility will compact the PHP compiled php files created during theme building removing comments, formatting etc... Doing this will result in a slight performance boost since it will make the PHP code parsing easier hence faster and reduce the memory footprint of the script.

## Delete

This link allows the administrator to remove a theme. All themes with the exception of the default theme can be deleted. The default theme can only be disabled.

## Template Editor

FUDforum 2 has a complete templating system that allows the administrator to customize and change the appearance of their forum in it's entirety.

When you access the template editor you are presented with a form that allows you to choose for which theme & language you are editing the templates for.

This control panel offers a web interface to the templates, allowing the admin to change the templates via their browser. This is generally intended for quick changes and/or fixes, if you intend to do a complete layout redesign we recommend changing the templates (\*.tpl files inside the tpl directory for each theme) with your text editor of choice.

The template editor shows the administrator a list of all the available templates that make up the various forum pages. clicking on the red + link beside each template it will expand the template, showing all the sub-templates that make up this page.

The primary page template has a light purple color, this template defines how the page and it's elements will be constructed. The other sub-templates, which are colored black define the various page elements that make up the page. Beside some templates who's name may not explain their purpose you can find green explanation text that will tell you the purpose of the template.

If you click on the template, the template's data will be loaded in to a text area allowing you to edit the template. The template's data is mostly comprised of raw HTML with certain template tags representing the dynamic data that will be inserted into the template.

The following, are the non HTML template entities that can be found inside the template.

- **{MSG: msg\_key}** Reference to a message inside the i18n messages file.
- **{VAR: var\_key}** PHP variable
- **{DEF: var\_key}** PHP define
- **{VAR-HTML: var\_key}** PHP variable that will be encoded using htmlspecialchars() function
- **{VAR-URL: var\_key}** PHP variable that will be encoded using urlencode() function
- **{TEMPLATE-DATA: var\_key}** Template's data which is stored in a variable.
- **{TEMPLATE: tpl\_name}** Include template with the specified name here
- **{DATE: var\_key date\_format}** Print date based on var\_key passing the date\_format as the date's format to strftime() function
- **{ALT-VAR: alt\_name key1 key2 ...}** Color alternator, it will alternate the colors specified as key#

## Note

If you edit the tmpl files manually you will also come across the **{REF: template\_file\_name}** tag. This tag tells the template compiler to include the source of the said file when generating the page you are editing. The compiler then will inline the file when its generating this page.

To save your changes, click on the 'Save Changes' button, this will not only save your changes but also recompile the template putting the changes you've made live. So, that you will be able to see how those changes altered the layout of the page.

If you wish edit to content of the text shown on the page, click on the 'Edit Text Messages', which will allow you to edit all of the text messages used on this page using the Message Editor.

## Important

After making manual modifications to the template(s), be sure to recompile the theme using those templates via the Theme Manager to activate your changes.

## Message Editor

FUDforum 2 included i18n support, which allows the administrator to easily pick a language other then English for their forum. The i18n supports also makes it extremely easy to translate the forum into languages that are not yet included in the main distribution.

The i18n support is accomplished by keeping all of the text displayed on the forum in a special file, which can be edited via this control panel or manually with a text editor.

## Note

If you are introducing major changes or translating a forum in to another language you're probably better off making the modifications using a text editor rather then the web control panel. If you do translate the forum to another language keep in mind that in accordance with the GPL license you **MUST** provide us, FUDforum Development Team, with the translated text.

When you access the message editor you are presented with a form that allows you to choose which message file you want to edit and for which theme this message file is for.

The message editor displays a color coded view of the templates and their corresponding messages. It also indicated which files utilize each template.

Below is the explanation for the color codes used in the message editor.



- **Red** Template name, clicking on this link will pull up a form with all the messages inside this template, allowing you to edit them.
- **Green** Indicated a particular message. Clicking on this link will allow you to edit this message.
- **Brown** These links are shown below the templates (in red) that are used by other templates. Clicking on this link will change your browser's focus to that template.

When you click on the 'Edit' button available on the message edit form, your changes will be saved to the message file and the forum will be recompiled to using the new data you've entered.

## Important

After making manual modifications to the message file, be sure to recompile the theme using this message file via the Theme Manager to activate your changes.

## Smiley Manager

This control panel allows the administrator to manage the smilies/emoticons supported by the forum.

### Smilies Upload

At the top of the Smiley Manager control panel there is an upload control allowing the administrator to upload images from their hard drive that can be used as smilies.

Clicking on the 'Browse' button will open a dialog window using which an image can be selected. Once that is done, clicking the 'Upload' button will upload the image to the server placing it inside the smilies directory.

Once a smiley is uploaded, it's name will automatically be inserted into the 'Smiley Image' textbox and the preview of the smiley will be visible in the 'Preview Image'.

This >Smilies Management control panel allows the administrator to add or edit existing smilies. At the time of editing all of the smiley's properties will be loaded into this control panel so that they may be edited.

### Smiley Description

This text will appear in the alt tag of the smiley image, which would be shown if a user holds their mouse above the smiley image. For people using text only browsers this description will appear instead of the smiley image.

## Smiley Text

In this text field you enter the special code(s) that will be replaced by the smiley. You can enter more than one code by separating the codes with the ~ character.

## Smiley Image

The codes specified in the 'Smiley Text' option will be replaced with this image. You may choose the image from the available smilies by clicking on the 'SELECT ICON' link, which will pop-up a window with all the smiley images in the forum. You can choose the image you want by clicking on it.

## Preview Image

The preview of image you've selected in the 'Smiley Image' option.

### Note

The preview will not appear if you manually enter the image filename in the 'Smiley Image' option.

At the bottom of the 'Smiley Manager' there is a list of all the smilies that are supported by the forum. Beside each smiley there are 3 control links allowing the administrator to change the smiley settings.

## Edit Link

When clicked, this link will load the smiley information into 'Smilies Management' control allowing the administrator to edit smiley's properties.

## Delete Link

Clicking on this link will remove the smiley from the system.

### Note

The image will still be on the server, so that messages which use it will not have broken images in them. The image itself can be deleted manually via the shell or FTP and can also be removed via the forum's file manager.

## Change Position Link

Clicking this link will allow the administrator to change the position of the smiley. Normally the smileys are displayed in the order they are added in to the system. This is important if you have more smileys then you want to display shortcuts to on the post forms as defined by the Maximum Smileys Shown option in the global control panel.

If that is the case only the first 'Maximum Smileys Shown' number of smileys will be shown on the post form and for the rest the user will need to click on a special link.

## Forum Icon Manager

This control panels allows the administrator to add and remove forum icons. Forum icons are images that the admin can choose to display beside each forum that they create.

## Message Icon Manager

This control panel allows the administrator to add and remove message icons. Message icons are images that the users may choose to use as icons of the messages that they post.

## Avatar Approval

This form allows the administrator to approve any URL & Uploaded avatars that forum users wish to use.

If the uploaded image has greater dimensions then the ones specified as allowed and mogrify tool is available the administrator may choose to scale the image down to maximum allowed dimensions by clicking on the 'Fix It' link.

## Avatar Manager

Allows the administrator to manager built-in forum avatars. These images can be used by the users as their avatars, unlike the URL & Uploaded avatars these do not require administrator's approval before they are activated.

## Uploading Avatar

At the top of the Avatar Manager form there is an upload control that would allow the administrator to upload new avatar in to the system.

To select the image, click on the 'Browse' button, which will open a file selection dialog using which the administrator may choose an image from their drive that will be uploaded.

Once the image is selected, clicking on the 'Upload' button will upload the avatar. Once uploaded, the file name of the avatar will appear inside the 'Avatar Image' text box and preview of the avatar will be available inside the 'Preview Image' control.

Avatar Management form, which appears below the avatar upload form allows the administrator to edit and add avatars. During editing the avatar's values are inserted in to the form to allow for easy editing.

## Description

A short description of the avatar, this text will appear below the avatar on the user's avatar selection form.

## Avatar Image

The filename of the avatar, you can choose an avatar from the list of available images by clicking on the adjacent 'SELECT AVATAR' link.

## Preview Image

Shows the preview of the avatar.

At the bottom of the page there is a list of all the available avatars. Beside each avatar there is an edit and delete link allowing the administrator to edit this avatar's properties or delete it all together.

## Email filter

Allows the administrator to block people with a matching e-mail address from posting messages on the forum. It would also prevent people who's e-mail matches the filter, from registering on the forum.

## Simple

Use this filter if you are entering a specific e-mail address. ex. myemail@emaildomain.com

## Regular Expression

Use this filter if you want to use regular expression masks to match the e-mail address'. This is very useful if you want to block all people from a certain ISP. ex. `.*@aol\com` filter would block all people who's e-mail address ends with `@aol.com`

### Note

Internally this function uses `preg_match()` to evaluate the regular expression.

## IP Filter

Allows the administrator to block people with a matching ip address' from posting messages on the forum.

The IP address can be entered in 2 ways:

- **Complete IP** The full IP of the user, ex. `111.11.1.111` would block all user's who's IP is `111.11.1.111`
- **IP Mask** You can enter an IP mask that would block a whole range of IP addresses

ex. `22.23.24.` IP mask would block all users who's first 3 IP elements are `22.23.24` or more commonly known as `22.23.24.0/24` mask.

ex. `24.*.21.22` IP mask would block all users who's 1st IP element is `24` and the last 2 IP elements are `21.21`

## Login Filter

Allows the administrator to block people with a matching login name from registering and posting messages on the forum.

This option uses regular expression, so you can enter masks in this field. ex. `.*fool.*` would block people who's login contain the text `fool`.

## File Filter

Allows the administrator to specify which files types can be attached to forum messages. This is done by entering specifying the allowed file extensions.

If no file extensions are listed then ANY file can be attached.

## Make forum datadump

This option allows the administrator to generate a backup of all the forum data that is stored on disk and in MySQL. If PHP's gzip module is available the administrator may choose to compress the backed up data, to save drive space.

## Import forum data

Import forum data from a forum datadump. It is recommended that the forum you're importing the data from and the forum you're importing the data to are of the same version.

### **Warning**

Importing forum data would result in the loss of all current data inside the forum.

## Chapter 5. Moderation Options

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FUDforum 2 has a number of tools that are available to moderators and administrators in regard to managing users and messages, this section covers those tools and gives tips on how to use them to their maximum potential.

## Note

When referring to 'privileged users', this section refers to users who are moderators, administrators and to the users who have been granted permission pertaining to a certain ability using the groups permissions system if a relevant permission is available.

## Custom Avatar Queue

This link will only be visible to the forum's administrator(s) should there be any custom avatars pending approval. Beside the link there will be a red number indicating the number of avatars that are pending administrative approval. Clicking on the link would take the administrator to the avatar approval form allowing them to approve or decline the avatar.

If the avatar is approved or declined, the user who had requested this avatar will be notified via a private message if private messaging system is enabled or via e-mail about the status of their avatar.

## Moderation Queue

This link will be visible if there are any messages pending approval in moderated forums. Beside the link there would be a red indicator showing the number of messages awaiting approval. Clicking on the link would take the moderator to a control panel where they would be able to see all of the messages that are pending approval and either approve or delete those messages by using 'Approve' and 'Delete' links found on that page.

## Note

This option is ONLY be visible to the administrator(s) and forum moderators who moderate the forums that have unapproved messages in them.

## Reported Messages

This link will be visible if there are any reported messages. Reported messages are messages that a forum user has chosen to report to the forum administration for whatever reason, as part of the report form the user will be required to enter a reason for the message report so that the administration staff knows why this report was made.

Clicking on the reported messages link will take the moderator to a special page where the moderator can review the reported message as well as reason for the report. From that page the moderator may choose to delete the report and/or take some action in response to the report.



## Move Topic

This option which is visible to all privileged users beside each topic on the topic view (thread.php) allows them to move the topic to a different forum. Clicking on the link will open a pop-up window with a list of all the available forums.

If the user in question has permission to move the topic to the destination forum then the topic will be moved to their forum of choice once they click on that forum.

Otherwise beside the forum there will be a 'request a move' link. Clicking on this link will allow the moderator to request that the topic be moved to another forum, the form will allow the moderator to enter their reasoning behind their request. It will then be up to the administrator(s) or the moderator(s) of the destination forum to approve or decline the request via the Topic Exchange.

## Topic Exchange

This link will be visible if there are any move topic requests pending as well as indicate how many of those requests are pending. Clicking on the link would take the moderator to a page where they'll be able to see the move request and either accept or decline the move topic request made by another moderator.

## Delete Topics/Messages

### Deleting a topic

Deletion of a topic is an action, which can be performed by privileged users by clicking on the delete link beside each topic on the topic listing, or by clicking on the delete button of the root (1st message in the topic) message.

### Deleting a message

Privileged users can delete a message by clicking on the delete button located at the bottom of each message, that is located in a forum where they have delete privileges.

## Edit Message

Privileged users can edit the content as well as the subject of the message posted in forums in which they have edit privileges.

### Note

Unless the Show Edited By Moderator is set to no, messages edited by privileged users will be marked as such.

## Split Topic

Split topic link, which is visible to privileged users when they are viewing the content of the topic allows for splitting of a topic in to two separate topics. This is mostly done to allow the forum staff to move off topic discussions that have wandered in to a relevant topic.

When clicked, the link would take the privileged user to a control form where how the topic will be split can be specified.

At the top of this form there is a textbox where the name of the new topic will be specified as well as a drop down box with a list of forums where the new topic will be placed. Below these controls there are two buttons allowing the privileged user to split the selected or the non-selected messages.

All the messages in the topic are listed on the 'Split Topic Control Panel', the messages can be selected by marking the checkbox, which is located to left of every message.

Clicking on the 'Split selected messages' button would then split all the selected messages or if the 'Split non-selected messages' button is clicked then all the non-selected messages will be moved to a new topic.

## Topic Locking/Unlocking

Privileged users may lock and unlock topics using a link available on the topic contents page. Locked topics prevent regular users from being able to post replies in the topic.

When privileged users post new topics or replies to existing topics they may lock topic by marking the 'Topic Locked' checkbox. The topic will be automatically locked once the post is made.

## Sticky/Announcements

Privileged users may create topics and mark them as 'Sticky' or 'Announcements'. Such topics will be displayed at the top of topic listing regardless of their age until they reach their expiration date as defined by the privileged user.

This functionality is available on the post form to all privileged users.

## **Display of Message Author IP Address**

All moderators and administrators will be able to see the IP address of message authors. Clicking on the IP address will open a page, which will show the information about that user's ISP.

## **User Group Management**

This control panel allows the administrator(s) and group leader(s) to add and remove users from the various groups as well as alter the permissions of those users.

If the user can manage more than one group then a list of all the groups that they can manage will be shown allowing them to choose a group to edit.

The form also includes a control allowing for addition/editing of users in the group as well as specifying their permissions, the editable permissions contain drop downs with 'Yes/No' toggles allowing the group manager to grant or take away the permission from the user.

Below is the explanation of the permissions that can be granted or removed using the groups system.

### **Visible**

Allows the user to see the forum on the forum listing on the front page.

### **Read**

Allows the user to read the messages inside the forum.

### **Post**

The ability to create new topics in the forum.

### **Reply**

The ability to post replies to existing topics in the forum.

## **Edit**

The ability to edit messages posted by other users.

### **Note**

Normally they users can only edit their own messages.

## **Delete**

The ability to deletes topics & posted by other users.

## **Sticky posts**

The ability to create Sticky/Announcement topics.

## **Create polls**

The ability to add polls to messages posted on the forum.

## **Votes**

Whether or not the user may vote on the polls in the forum.

### **Note**

This option will ALWAYS be set to NO for anonymous users, since their uniqueness cannot be determined reliably.

## **Attach files**

Whether or not the user can attach file(s) to their messages.

### **Note**

If the number of allowed file attachments for the forum is set to 0, then even if this option is set to 'Yes' users will not be able to attach files.

## **Rate topics**

Whether or not a user can rate topics inside the forum.

### **Note**

This option will ALWAYS be set to NO for anonymous users, since their uniqueness cannot be determined reliably.

## **Split topics**

The ability to split topics.

## **Lock topics**

The ability to lock & unlock topics in the forum.

### **Note**

Users with this ability will also have the ability to post replies in locked topics.

## **Move topics**

The ability to move or request that a topic be moved to another forum.

## **Use smilies**

If enabled, the user's emoticon tags will be converted to equivalent smiley images during the posting process.

## **Use image tags**

Whether or not this user may use FUDcode's [img] tags in their code.

### **Note**

If the maximum allowed images per message option is set to 0 this option will have no affect.

## **Part III. Miscellaneous**

## Chapter 6. Upgrading FUD Forum 2

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FUDforum 2 is easily upgradeable to the next stable or development release via an upgrade script that can be freely downloaded from FUDforum's website. The upgrade script is a single file, that once run via the web browser, will upgrade your existing forum to the release for which the upgrade script was downloaded for.

#### Note

Each time an upgrade script runs it creates/updates a special file, `UPGRADE_STATUS` inside the errors directory. This file will prevent the same upgrade script from running twice or running of an upgrade script that will attempt to upgrade a forum to a version older then the current one. If you find it necessary to run the same upgrade script more then once, use the file manager to remove this file before running the upgrade script.

Announcements about new FUDforum releases as well as list of major changes done in the release can be found on *FUDforum's support forum* [<http://fud.prohost.org/forum/>], the *detailed changelog* [<http://fud.prohost.org/CHANGELOG>] is also available.

### Upgrading 2.X and 1.9X series FUDforum

To upgrade from 2.X or 1.9X to the latest stable or development release is a very easy process that can be accomplished in a few minutes by following the steps outlined below.

#### Download Upgrade Script

You can download the latest stable or development release from the FUDforum's *download page* [<http://fud.prohost.org/download.php>], the upgrade scripts are always available in 3 compression formats: bzip2, gzip and zip.

The upgrade script to the latest stable release can be found under the 'Upgrade from 1.9.8+ & 2.0+ to FUDforum [version number]' sub-heading. The upgrade script to the latest development release can be found under the 'Upgrade from 1.9.8+ & 2.0+ to FUDforum [version number] (Development Release)' sub-heading.

If you wish to get an upgrade script to the very latest development release, you can do so via FUDforum's anonymous CVS, by doing the following:

### Example 6.1. Downloading FUDforum upgrade script from CVS

```
cvs -z3 -d :pserver:anonymous@asuka.prohost.org:/forum21 checkout fud21_upgrade
```

Once the files are retrieved, run the following commands to create the upgrade script

```
cd fud21_install
chmod 644 upgrade.php
chmod 755 create_file_list
./create_file_list install >> upgrade.php
```

### Note

You will need to have php binary installed on your system in order to generate the install.php installation script. If you already have a php binary in your system, but it is not inside `/usr/local/bin/php`, modify the 1st line inside the install.php script to reflect the proper path of the php binary on your system.

Now that you have the upgrade script on your server, decompress it and place it inside your forum's main web directory, so that you can access the upgrade script by going to `http://you_forum_url/upgrade.php`

## Running the Upgrade Script

Now that the upgrade script has been positioned, open the `http://you_forum_url/upgrade.php` URL with your web browser, this will begin the execution of the upgrade script. The script will output various progress indicators, letting you know of what is it doing at the moment.

### Note

If you have output buffering enabled or using buffering modules such as `mod_gzip` you may not see any output of the upgrade script until it finishes.



Upon the completion of the upgrade script, you will need to run a consistency checker to rebuilt various caches and verify consistency of your forum's data. The upgrade script will try to automatically to run the consistency checker by popping up a new window using JavaScript. If for some reason such window does not appear click on the 'MUST click here' link, which will execute the consistency checker in the current window.

Once the consistency checker finishes running, the upgrade process is complete. The only thing left to do, is to remove the upgrade.php script you've placed inside the forum's web directory in the 1st step.

## Upgrading from 1.2.8 to 2.0.2 series FUDforum

Because of the many differences between the 1.X and 2.X series FUDforum, there is a special script you need to use to upgrade. This upgrade script will convert from version 1.2.8 to 2.0.2.

### Important

It is very important that you make sure that your old forum is running version 1.2.8, other wise the upgrade script will fail. If you see that your forum is older, you will first need to upgrade to version 1.2.8 before continuing to upgrade to 2.0.2.

## Download Upgrade Script

This upgrade script is available from the FUDforum's *download page* [<http://fud.prohost.org/download.php>] in 3 compression formats: bzip2, gzip and zip.

The links to download this script can be found under the 'Upgrade from 1.2.8 to FUDforum 2.0.2' sub-heading.

Now that you have the upgrade script on your server, decompress it and place it inside your forum's main web directory, so that you can access the upgrade script by going to [http://you\\_forum\\_url/upgrade.php](http://you_forum_url/upgrade.php)

## Running the Upgrade Script

Now that the upgrade script has been positioned, open the [http://you\\_forum\\_url/upgrade.php](http://you_forum_url/upgrade.php) URL with your web browser, this will begin the execution of the upgrade script. The script will output various progress indicators, letting you know of what is it doing at the moment.

### Note

If you have output buffering enabled or using buffering modules such as mod\_gzip you may not see any output of the upgrade script until it finishes.

Upon the completion of the upgrade script, you will need to run a consistency checker to rebuilt various caches and verify consistency of your forum's data. The upgrade script will try to automatically to run the consistency checker by popping up a new window using JavaScript. If for some reason such window does not appear click on the 'MUST click here' link, which will execute the consistency checker in the current window.

Once the consistency checker finishes running, the upgrade process is complete. The only thing left to do, is to remove the upgrade.php script you've placed inside the forum's web directory in the 1st step.

You should also consider upgrading from 2.0.2 to the later stable release if one is available by following instructions in the Upgrading 2.X and 1.9X series FUDforum section of the manual.

## Upgrading from 1.X to 1.2.8 FUDforum

If you find that you are running a FUDforum release older then 1.2.8 you will need to upgrade your forum to version 1.2.8 before you can perform any other upgrades.

### Download Upgrade Script

This upgrade script is available from the FUDforum's *download page* [<http://fud.prohost.org/download.php>] in 2 compression formats: bzip2 and gzip.

The download links for the upgrade scripts are: *update-v1.2.8.php.tar.bz2* [<http://fud.prohost.org/download/update-v1.2.8.php.tar.bz2>] *update-v1.2.8.php.tar.gz* [<http://fud.prohost.org/download/update-v1.2.8.php.tar.gz>]

Now that you have the upgrade script on your server, decompress it and place it inside your forum's main web directory, so that you can access the upgrade script by going to [http://you\\_forum\\_url/update-v1.2.8.php](http://you_forum_url/update-v1.2.8.php)

### Running the Upgrade Script

Now that the upgrade script has been positioned, open the [http://you\\_forum\\_url/update-v1.2.8.php](http://you_forum_url/update-v1.2.8.php) URL with your web browser. You will then need to enter the full path on the disk where the GLOBALS.php file can be found. Once you've entered the forum submit the form, which will begin the upgrade process. The script will output various progress indicators, letting you know of what is it doing at the moment.

#### Note

If you have output buffering enabled or using buffering modules such as mod\_gzip you may not see any output of the upgrade script until it finishes.

Upon the completion of the upgrade script, you will need to run a consistency checker to rebuilt various caches and verify consistency of your forum's data. The upgrade script will try to automatically to run the consistency checker

## Chapter 6. Upgrading FUD Forum 2

by popping up a new window using JavaScript. If for some reason such window does not appear click on the 'MUST click here' link, which will execute the consistency checker in the current window.

Once the consistency checker finishes running, the upgrade process is complete. The only thing left to do, is to remove the update-v1.2.8.php script you've placed inside the forum's web directory in the 1st step.

Once you've upgraded to version 1.2.8 you can now upgrade to the 2X series FUDforum.

## Chapter 7. FUDcode

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In most cases allowing users to enter HTML inside their message is impractical for security and stylistic reasons, FUDforum 2 offers a large set of it's own formatting tags that will internally be converted to HTML. Thus preventing users from compromising security by inserting hostile JavaScript in to their messages and intentionally or unintentionally breaking the layout of the forum.

Majority of the FUDcode tags can be easily accessed via a toolbar at the top of the post form, which allows the user to use the tag without necessarily knowing how the tag itself works.

### Note

users who use Internet Explorer 5.0+ browsers have an additional feature, if they select the text and then click on the toolbar option for a particular text styling element, then that text styling will be applied to the selected text. As JavaScript support in other browsers improves this feature may be available in other browsers as well.

This section will discuss and demonstrate the various tags supported by FUDcode.

## Text Styling Tools

The following tags allow the user to transform their text in a certain fashion.

### Bold

Text between the [b] and [/b] tags will be made bold using the HTML's <b> tag.

ex. [b]bold text[/b] will be converted to <b>bold text</b>

The result will look something like this: **bold text**

### Italics

Text between the [i] and [/i] tags will be italicized using the HTML's <i> tag.

ex. [i]italic text[/b] will be converted to <i>italic text</i>

### Underline

Text between the [u] and [/u] tags will be underlined using the HTML's <u> tag.

ex. [u]underlined text[/u] will be converted to <u>underlined text</u>

### Subscript

Text between the [sub] and [/sub] tags will be subscripted using the HTML's <sub> tag.

ex. [sub]subscript text[/u] will be converted to <sub>subscript text</sub>

The result will look something like this: <sub>subscript text</sub>

### Superscript

Text between the [sup] and [/sup] tags will be superscripted using the HTML's <sup> tag.

ex. [sup]superscript text[/sup] will be converted to <sup>superscript text</sup>

The result will look something like this: <sup>superscript text</sup>

## Font Color

The user may specify the color of the text by using the [color] tag, which can accept a hex value representing the color or a color name parameter.

ex. [color=red]red text[/color] will result in <font color="red">red text</font> HTML.

## Font Size

The user may specify the font size of the text by using the [size] tag, which can accept a numeric font size ranging from 1 (smallest) to 7 (greatest).

ex. [size=5]big text[/size] will result in <font size="5">big text</font> HTML.

## Font Face

The user may specify a font that will be used to render their text by using the [font] tag, which can accept a font name, or a font group as a parameter.

ex. [font=arial]arial font[/font] will result in <font face="arial">arial text</font> HTML.

## Text Alignment

The user may also specify the alignment of their text by using the [align] tag with a left,right or center parameter.

ex. [align=center]centered text[/align] will result in <div align="center">centered text</div>

The user may use those tags in combination with each other as the example below demonstrates.

### Example 7.1. Using Multiple Text Styling Tags

```
[b]Bold
[i]Bold Italics
[u]Bold, Italics and Underlined[/u]
[color=red]Red, Bold and Italics
[sub]Red, Bold, Italics and Subscript[/sub]
[/color]
[/i]
[/b]
```

will be converted to:

```
<b>
  <i>Bold Italics
    <u>Bold, Italics and Underlined</u>
    <font color="red">Red, Bold and Italics
      <sub>Red, Bold, Italics and Subscript</sub>
    </font>
  </i>
</b>
```

## Lists

FUDcode allows the user to create ordered and un-ordered lists using the FUDcode [list] tag.

### Ordered Lists

Ordered list will have it's items sequentially numbered by the browser. The user may specify what numbering scheme will be used to identify the the items in the list. Below is the list of the supported parameters for the ordered list.

- **[list type=A]** The items in the list will be indicated by upper case letters of the alphabet from A to Z.
- **[list type=z]** The items in the list will be indicated by lower case letters of the alphabet from a to z.
- **[list type=1]** The items in the list will be indicated by numbers from 1 to infinity.
- **[list type=I]** The items in the list will be indicated by upper case Roman numerals.
- **[list type=I]** The items in the list will be indicated by lower case Roman numerals.

Internally FUDforum 2 will convert ordered lists to <ol> tags with an appropriate parameter.

### Example 7.2. Ordered List

```
[list type=I]
[*] Item one
[*] Item two
[*] Item three
[/list]
```

will be converted the HTML below:

```
<ol type="I">
<li> Item one
<li> Item two
<li> Item three
</ol>
```

which will rendered like this:

- i. Item one
- ii. Item two
- iii. Item three

## Unordered Lists

Unorderdered lists are lists where each item bears no distinguishing mark from another item on the list. There are several types unordered lists that the user can choose form, they are listed below.

- **[list type=disc]** Items will be indicated by a shaded circle.
- **[list type=circle]** Items will be indicated by a non-shaded circle.
- **[list type=square]** Items will be indicated by squares.



## Note

[list] tag without a parameter, will be automatically converted to a [list type=disc] by default.

### Example 7.3. Unordered List

```
[list type=square]
[*] Item one
[*] Item two
[*] Item three
[/list]
```

will be converted the HTML below:

```
<ul type="square">
<li> Item one
<li> Item two
<li> Item three
</ul>
```

which will rendered like this:

- Item one
- Item two
- Item three

## Links

FUDcode allows the user to enter URL and e-mail links in to their messages using the [url] & [email] tags.

## URLs

A basic link can be created in a following fashion:

ex.  
[url]http://fud.prohost.org[/url]  
will be converted to  
<a href="http://fud.prohost.org/">http://fud.prohost.org</a>  
by the FUDcode parser.

To enter a link with a description other then the URL itself, the user may use the [url] tag in the following fashion:

ex.  
[url=http://fud.prohost.org/]FUDforum Homepage[/url]  
will result in  
<a href="http://fud.prohost.org/">FUDforum Homepage</a>  
HTML being generated.

FUDcode parser will also convert valid URLs into links by using functionality similar to the basic link.

ex.  
http://fud.prohost.org/  
will be converted to  
<a href="http://fud.prohost.org/">http://fud.prohost.org</a>  
by the FUDcode parser.

## E-mails

A basic e-mail link can be created in a following fashion:

ex.  
[email]myname@mydomain.com[/email]  
will be converted to  
<a href="mailto:myname@mydomain.com">myname@mydomain.com</a>

by the FUDcode parser.

To enter a e-mail link with a description other than the e-mail address itself, the user may use the [email] tag in the following fashion:

ex.

```
[email=myname@mydomain.com]Click Here to Send an E-mail[/email]  
this will result in  
<a href="mailto:myname@mydomain.com">Click Here to Send an E-mail</a>  
HTML being generated.
```

FUDcode parser will also convert valid e-mail address' into e-mail links by using functionality similar to the basic e-mail link.

ex.

```
myname@mydomain.com  
will be converted to  
<a href="mailto:myname@mydomain.com">myname@mydomain.com</a>  
by the FUDcode parser.
```

## Images

FUDcode allows the user to embed images inside their messages using the [img] tag, since embedding of many images can potentially slow down the page the administrator may choose to set a limit on how many messages the users may include inside their messages by using the Maximum Number of Images option.

The most basic way to embed an image is to use the simple [img] tag in the following fashion:

ex.

```
[img]http://mydomain.com/myimage.jpg[/img]  
which will result in  
 tag.

```
ex. [code]Example of the bold tag [b]Bold Text[/b][/code]
```

will result in

```
<pre>Example of the bold tag [b]Bold Text[/b]</pre>
```

HTML being generated.

## Quote

Quote tag is generally used automatically by the forum, to surround the text of the message the user is replying to. It can also be used by the user manually to format their text.

The most basic way to use the quote tag is to simply surround the text which is being quoted with the [quote] tags in the following manner:

```
ex. [quote]Quoted Text[/quote] will result in the following HTML
<table border="0" align="center" width="20%" cellpadding="3" cellspacing="1">
  <tr><td class="SmallText"><b>Quote:</b></td></tr>
```

```
<tr><td class="quote">Quoted Text<br></td></tr>
</table>
```

The user may also use a slightly more advanced version of the quote tag, which permits the specification of a title for the quoted text. This can be done in the following manner:

```
ex. [quote title="My Title"]Quoted Text[/quote] will result in the following HTML
<table border="0" align="center" width="20%" cellpadding="3" cellspacing="1">
  <tr><td class="SmallText"><b>"My Title"</b></td></tr>
  <tr><td class="quote">Quoted Text<br></td></tr>
</table>
```

## Spoiler Tag

This is a very interesting and unique tag, which allows the user to hide portion of their text, so that if other users wish to see it. they would need to click on the 'Reveal Spoiler' link.

This tag is most useful on sites where users may want to post movie or story spoilers and have a way to hide their text so as to not spoil the story/movie for other readers who have not seen/read it yet.

To hide a text string using the spoiler tag, the user will need to place the text between the [spoiler] and [/spoiler] tags in the following fashion:

```
ex. [spoiler]Movie Spoiler[/spoiler] will result in the following HTML
<div class="dashed" style="padding: 3px;" align="center" width="100%">
  <a href="javascript://" OnClick="javascript: layerVis('1147217758771422496', 1);">Re-
veal Spoiler</a>
  <div align="left" id="1147217758771422496" style="visibility: hidden;">Movie Spoiler</div>
</div>
```

## Chapter 8. Reporting Bugs

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Should you come across a bug inside FUDforum 2 or a typo in the documentation please take a moment of your time and report it to the development team via *Support Forum* [<http://fud.prohost.org/forum/>] or by sending an *email* [<mailto:forum@prohost.org>].

### Bug Information

To ensure that your bug is solved quickly please include as much information as possible about the bug itself as well as your system configuration. Also, check on the *Support Forum* [<http://fud.prohost.org/forum/>] if any similar bugs were already posted and if a solution is already available in the later release or in the CVS.

#### Bug

Please include any warning & error messages that occurred as the result of bug. If you had not received any such messages, please verify your php configuration to see that such errors would be displayed. This can be done making sure that *display\_errors* option is turn on and your *error\_reporting* option is set to E\_ALL^E\_NOTICE (2039) or greater.

If the bug results in broken functionality please clearly explain the problem caused by the bug.

You should always include the URL of the page where the bug had occurred even if the URL is not accessible via the Internet. The URL would let us know which page caused the problem and what variables may have been responsible for the problem you've experienced.

#### System Information

A good bug report should also include information about the system on which the bug had occurred. The optimal way to get this information is by including the output of PHP's `phpinfo()` function in your bug report by making a small test script like this:

If you cannot send us the `phpinfo()` output, please include the information shown by the System Info admin form as well as information about your browser.

## **Part IV. Appendixes**

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Version 2, June 1991

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