



Version 2.0

Installation Manual

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Preface

This *Installation Manual* introduces you to bbBoard v2 and helps you setup and use resources at the website right away. In addition to learning how to setup the software, you learn how to use the website and find out about new features. You also get information about advanced issues, and find answers to commonly asked questions.

How to Use this *Installation Manual*

Whether you're already familiar with or new to a forum software such as bbBoard v2, you can find useful information in the "Installation Manual" book. You can navigate this book in several ways: you can complete the chapters sequentially, you can use the chapter-opening outlines to find the topics you want, and you can look up terms in the index to go directly to the information you need.

The following table is a guide to using this book.

If you are	Read
New to bbBoard v2	Chapter 1: Introduction
Installing	Chapter 3: Setup
Looking for Pre-requisites	Chapter 2: System Requirements
New to Forums Terminology	Appendix A (Glossary)

Conventions Used in this Manual

To help you locate and interpret information easily, this Installation Manual uses consistent visual cues and a few standard text formats.

Convention	Meaning
Bold	Characters that you must type exactly as they appear. For example, if you are directed to type dirwindows , you should type all the bold characters exactly as they are printed
<i>Italics</i>	Indicates a glossary term
ALL CAPITALS	Directory names, filenames, and acronyms.
Double-click	Refers to quickly clicking the primary mouse button (usually the left mouse button) twice. If you're using the single-click option, you should click only once when documentation tells you to double-click.
Right-click	Refers to clicking the secondary mouse button (usually the right mouse button) once. Right-clicking opens a shortcut menu.
▶	Identifies a procedure

Installation

Setting Up bbBoard v2 on Your Website

Introduction

Congratulations on choosing bbBoard v2! We hope you will find bbBoard v2 to be a powerful, easy-to-use, useful and fun software product. This chapter introduces you to bbBoard v2.

For many years, bbBoard has been one of the most powerful, yet easy forum software used by many individuals and organizations around the world.

bbBoard v2 is a Web-based forum software. Forum software allows people to post messages that will appear on a web page, and to post replies to those messages. It provides a quick and easy way for a group of people to share information, ideas and opinions. It's a great way to grow a community of people and build traffic to your web site!

PLUS, you can launch your own business' support forum to provide frequently asked questions (FAQs) and their answers.

bbBoard v2 is written in Perl, a very popular language supported by nearly all web hosting companies. It runs on a wide variety of operating systems, including most flavors of UNIX and Windows. Therefore bbBoard v2 can be run on most web sites with little or no modification.

Although it is a complex and feature-rich program, bbBoard v2 is designed to be easy to install, configure and use.

1.1 Features & Benefits

Here are few of the many powerful features of bbBoard v2;

- Support for MySQL, PostgreSQL and other database backends.
- Features enabled via database
- No complicated file permissions
- Scalable
- Comprehensive templates system
- Powerful search engine

- Unlimited Forums / Messages / Categories
- Powerful administrative functionality
- Moderation queues
- User email notifications
- Support of smilies, bbCode or HTML in messages
- Designer Templates for board
- Editable User profiles
- Email confirmation for registration
- Moderators/Users groups creation
- Keyword censorship and banning
- Banning of users, IPs and emails.
- Powerful private messaging
- And Much More....

For more details, visit www.bbv2.com

System Requirements

The following components are needed in order to run bbBoard v2 on your website:

2.1 CGI-BIN Support

You will need an account on a web server that supports custom CGI scripts, as bbBoard v2 is a CGI script. Ask your web hosting company if you are not sure whether you have been given CGI-BIN support as part of your hosting package.

2.2 Perl 5

bbBoard v2 is written in a popular language called Perl. This means it needs a Perl interpreter to run. Most UNIX machines have Perl installed as part of the standard UNIX distribution. For Windows users, you can get a free Perl interpreter from ActivePerl, who also distribute binary (pre-compiled) versions of Perl for Linux and Solaris.

bbBoard v2 requires Perl 5 (or later) to run. Your system must also have the Perl Socket module installed. This is usually installed as standard, but if you are unsure, it is a good idea to ask your web hosting company if they have installed the Perl Socket module.

2.3 CGI.pm

Your web server must have the CGI.pm Perl module installed. This is a very common library module and is probably already installed on your web server as standard. If you are unsure, ask your web hosting company if they have installed the Perl CGI.pm module.

The module is also downloadable from:
<http://stein.cshl.org/WWW/software/CGI/> .

2.4 Sendmail (SMTP Server)

bbBoard v2 requires access to Sendmail or an outgoing email server in order to send registration and other emails out to bbBoard

v2 users. If you have a web hosting account, chances are you have access to Sendmail and/or an SMTP server. If you have your own domain, e.g. www.mydomain.com, then this server will often be called mail.mydomain.com or smtp.mydomain.com. If in doubt, ask your web hosting company.

2.5 Apache

Apache is one of the most common Web Server software used by hosting companies today. For downloading and installing a free version, visit this website;

www.apache.org

2.6 MySQL/PostgreSQL/Supported Backend

For database operations of the bbBoard v2, one of the supported database backends is required to be installed on your server. For a free download of MySQL, visit this website;

www.mysql.org

2.7 Linux

bbBoard v2 was developed on Red Hat Linux systems. Therefore, Red Hat Linux is the recommended operating system. You can obtain the latest version from;

www.redhat.com

2.8 FTP Access

You need to be able to upload files to your server via FTP or a similar protocol. This comes as standard with virtually all web hosting packages. If you don't know how to use FTP to upload files to your web server, then check your web hosting company's support area or send them an email to ask them for help.

2.9 Installation Support

Installing and running the pre-requisite software as mentioned above is quite easy and straightforward. However, for those who find it hard and time-consuming to meet these pre-requisites, we offer a premium service of installing and running this software on your website. For further details, contact us at;

support@bbv2.com

Setup

3.1 The Distribution Script

When you purchase bbBoard v2 from www.bbv2.com, a link is sent to you via email whereby you can download the bbBoard v2 installation script.

3.2 Getting bbBoard v2 onto Your Server

You are now ready to upload this script onto your web server. Upload the file to the directory where you'd like your forum to be available from. Upload this script via FTP software as ASCII. Make a note of the directory you put this script file.

3.3 Running bbBoard v2 Setup

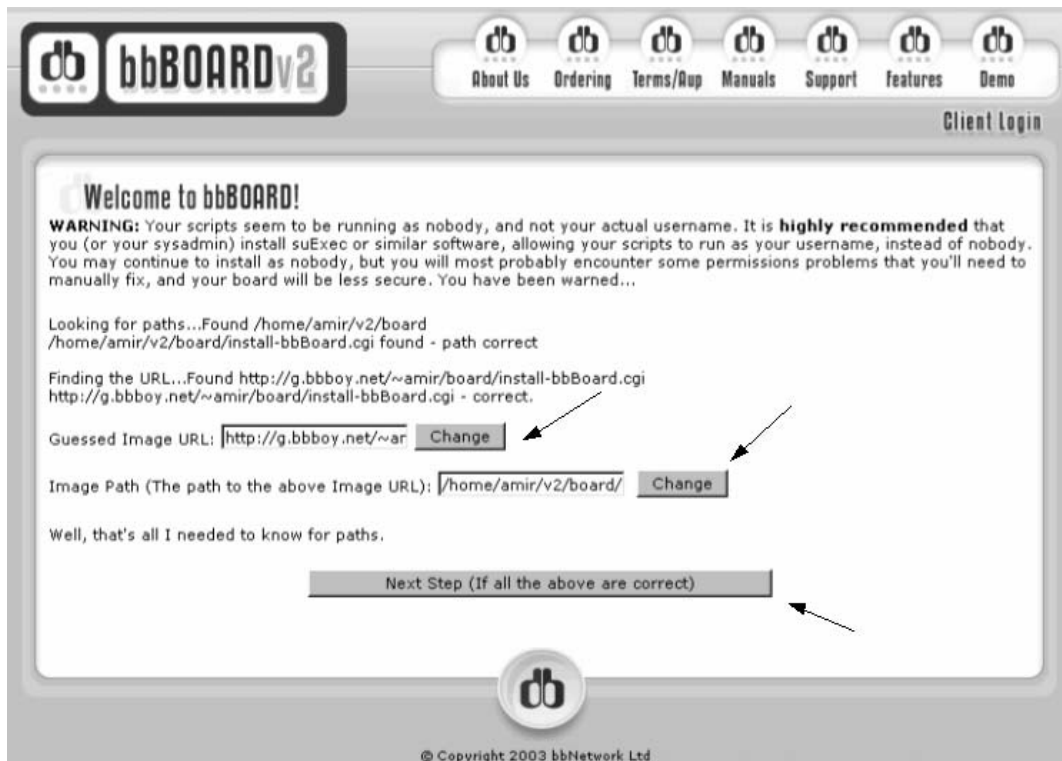
Now you are all set to start the installation of bbBoard v2. Before continuing, please make sure you have the necessary License Number that was sent to you via email and the MySQL database information such as username, password, and database name provided by your hosting company.

Follow this procedure to setup bbBoard v2;

- ▶ **To setup bbBoard v2;**
 1. Start Your Web Browser.
 2. Type in www.yourwebsite.com/directory/install-bbBoard.cgi at the address location;
 3. You will be presented with a screen asking you to enter your **License Number**. Enter it and click **Next Step**;



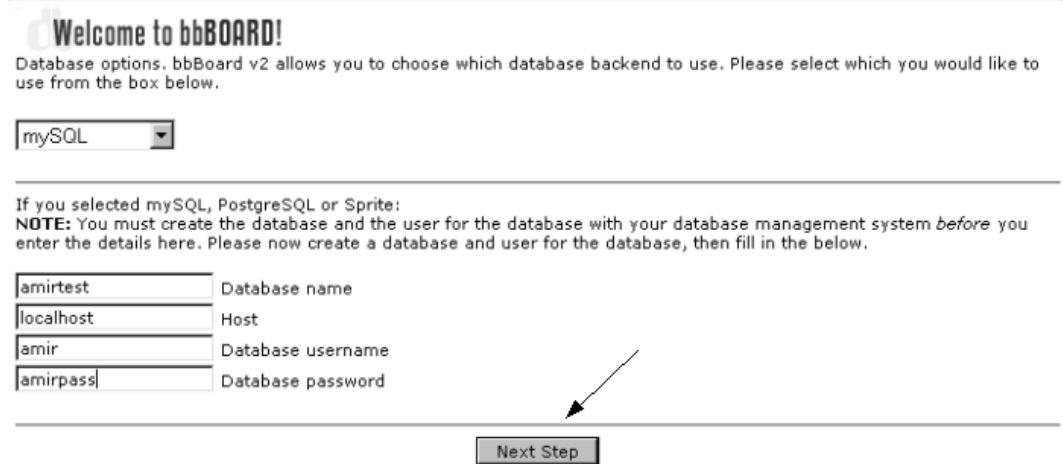
4. Now, you will have the option of changing the **Guessed Image URL** and **Image Path**. Click **Change Button** each time. When finished, click **Next Step**.



5. Now, the script will check for all the Perl installed modules on your server. Click **Next Step** to continue;



6. In the next screen, enter your MySQL database information such as **Database Name**, **Host**, **Username** and **Password**. When finished, click **Next Step** to continue;



7. Next, you will see the progress of the installation. Click **Last Step** when finished.

Welcome to bbBOARD!

Saving database options....Success!
Verifying config....Creating tables...
online....Done
keyword_categories....Done
bannedkeywords....Done
whitelist....Done
pollwatches....Done
custombbcodes....Done
blacklist....Done
notificationmsn....Done
pollvotes....Done
forumlog....Done
pms....Done
emoticons....Done
userlevel....Done
users....Done
setting....Done
polls....Done
pmfolders....Done
loginretrieval....Done
posts....Done
sigs....Done
userflds....Done
forums....Done
faqs....Done
memos....Done
markreadthread....Done
loginreactivate....Done
colors....Done
bans....Done
markread....Done
session....Done
templates....Done
attachments....Done
attachments....Done
patches....Done
log....Done
lastadminaction....Done
forumexceptions....Done
All created.

Adding default values to tables....All Done!

Clicking the button below will take you to your board, to register. The first account registered will automatically be an admin. If you get an error after clicking the button below, something isn't right. Please contact Support, and someone will help you out.

Last Step 

8. After successful installation of the bbBoard v2, you will get a new screen containing the Registration Form for Administrator of the forum. Fill it up carefully and press **Register** button to continue.

Please fill in the form below to register. Only the Username and Email are required. You can leave the others blank to not use them or accept defaults.

Mandatory fields	
<input type="text"/>	Choose a Username
<input type="text"/>	Enter your Email Address
<input type="text"/>	Confirm your Email Address
Optional <i>Everything below is optional:</i>	
<small>(Password - At least six characters.)</small>	
<input type="text"/>	Choose a Password
<input type="text"/>	Confirm Password
<input type="text" value="-Choose one-"/>	Choose Session period.
<input type="text" value="- Choose gender -"/>	Gender
YYYY - MM - DD	
<input type="text"/>	Enter date of birth
<input type="text"/>	User preferred IM
About user location:	
<input type="text"/>	Place
<input type="text"/>	State
<input type="text" value="-Choose country-"/>	Country
<input type="text" value="- Choose Time Zone -"/>	Time Zone
<input checked="" type="checkbox"/>	Notify on Receiving a PM?
<input checked="" type="checkbox"/>	Wish receiving other users PM?
<input checked="" type="checkbox"/>	Should your email visible to others?
<input checked="" type="checkbox"/>	Should your preferred IM visible to others?
User defined <i>You can have additional fields of your choice:</i>	
<input type="text"/>	
I need <input type="text" value="0"/> more fields	

9. An email notification screen will come up confirming your registered status and asking you to check your email inbox.



Now, the forum is successfully installed at your website and you can login using your Administrator username and password to manage the forum. For further details, view the *Administrator Manual*.

3.4 Upgrading from Previous Versions

For existing users of bbBoard v2, please see the release notes provided with the upgrade for upgrade instructions. For any such upgrade issues, kindly let us know at support@bbv2.com.

Appendixes

Appendix A: Installing Apache and MySQL

Appendix B: Glossary of Terms

Appendix C: License Agreement

Appendix A: Installing Apache & MySQL

Download

First, download installation packages at /usr/local/src path of your hard drive from these URLs of Apache and MySQL;

www.apache.org

www.mysql.com

Apache Installation

```
# cd /usr/local/src
# tar xzf apache_1.3.19.tar.gz
```

To see the Apache installation location, run this command in shell;

```
# ps -ef
nobody 32319 340 0 19:48 ? 00:00:00 /usr/local/etc/httpd/bin/httpd
```

This kind of result says Apache is installed in /usr/local/etc/httpd. This may be different on one's system, if so, replace /usr/local/etc/httpd with your Apache location in the following steps:

```
# cd /usr/local/src/apache_1.3.19
# ./configure --prefix=/usr/local/etc/httpd
```

To compile and install Apache:

```
# cd /usr/local/src/apache_1.3.19
# ./configure --prefix=/usr/local/etc/httpd --activate-
module=src/modules/php4/libphp4.a
# make
```

Now shut down Apache to install in new binaries:

```
# /usr/local/etc/httpd/bin/apachectl stop
# make install
```

Reboot or Restart Apache;

```
/usr/local/etc/httpd/bin/apachectl start
```

MySQL Installation

Run these shell commands;

```
% tar xzf mysql-version.tar.gz
% cd mysql-version
% ./configure --prefix=/usr/local/mysql
% make
% make install
% scripts/mysql_install_db
```

Now, create a special MySQL user by logging in as root in the shell;

```
% /usr/sbin/groupadd mysqlgrp
% /usr/sbin/useradd -g mysqlgrp mysqlusr
```

By default, MySQL stores all database information in the var subdirectory of the directory to which it was installed. We want to make it so that nobody can access that directory except our new MySQL user. The following commands will do this by assuming you installed MySQL to the /usr/local/mysql directory:

```
% cd /usr/local/mysql
% chown -R mysqlusr:mysqlgrp var
% chmod -R go-rwx var
```

To launch MySQL server, From the MySQL directory, type the following command:

```
% bin/safe_mysqld --user=mysqlusr &
```

To test MySQL server;

```
% bin/mysqladmin -u root status
```

In the share/mysql subdirectory of the MySQL directory, you'll find a script called mysql.server that can be added to your system startup routines to do this.

Assuming you've set up a special MySQL user to run the MySQL server, you'll need to edit the mysql.server script before you use it. Open it in your favorite text editor and change the mysql_daemon_user setting to refer to the user you created above:

```
mysql_daemon_user=mysqlusr
```

```
% cp share/mysql/mysql.server /etc/rc.d/init.d/  
% cd /etc/rc.d/init.d  
% chmod 500 mysql.server  
% cd /etc/rc.d/rc3.d  
% ln -s ../init.d/mysql.server S99mysql  
% cd /etc/rc.d/rc5.d  
% ln -s ../init.d/mysql.server S99mysql
```

If you have any trouble installing Apache & MySQL on your server, we can do so on an hourly charged premium service. Kindly let us know at support@bbv2.com.

Appendix B: Glossary Of Terms

Active Skin	The current look and feel of your board.
Avatar	An avatar is a little image that appears under a username whenever a topic or post is viewed. A small image (an avatar) can be assigned to a user account by selecting from a list of pre-built avatars or by uploading an image/graphic. This image will be displayed next to every message the user posts in the forum.
bbCode	bbCode is a special implementation of HTML that you can use in your posts on the forum. bbCode tags are enclosed in square braces [and] rather than < and > and it offers greater control over what and how something is displayed. bbCode can be added in posts via a clickable interface or by typing them in tag formats.
Board	A group of forums, with a database of registered users, categories, threads, posts, moderators and one or more administrators. You can set up several Boards on one web server, each board acting independently of the others.
Category	A grouping of one or more forums under a common heading or subject.
CGI	Common Gateway Interface. A method for web servers to talk to programs.
Client	In client-server computing, the "front-end" program that the user runs to connect with, and request information from, the server program. In this specific scenario of a Website, a client is a web browser in WWW to access the database and software installed at a web server.
Closed Topic	A topic that can no longer be replied to.
Contact Information	Information provided by Website users when they register, including name, address, and phone number.

Control Panel / Admin Area	this is the area of your board that only administrators can access. From here you can control almost all factors of your board.
Cookie Support	Cookies are a small piece of information relating to a users' ID information that a website stores on his client machine. This helps faster access to websites by avoiding login each time he visits the same site. Every popular Web browser supports cookies and this cookie support can either be enabled or disabled.
Database	A systematically arranged collection of computer data, structured so that it can be automatically retrieved or manipulated.
Description	Brief information
Emoticons	Emoticons are a special implementation of graphical representation of commonly used signs or expressions of feelings via special textual character signs. Commonly known as Smilies, such emoticons can be typed directly in a message.
Encrypting	The altering of data so that it is not usable unless the changes are undone or decrypted. It ensures safe passage of information from client to server and vice versa.
Forum	A collection of topics under a common subject. Each forum can have an unlimited number of topics. A board can contain one or more forums. A group of threads again usually on a certain subject.
Home Page	The front page of a board, containing the list of forums and categories, board announcement, etc.
Icon	An icon is a graphical symbol that can be displayed next to the thread title in the forum thread list. Such icons spice up a message posted by a user. Icons are assigned via a small graphical image (or Icon) to each post that a user makes in the forum.
Login / Logout	Every registered user must provide his assigned user ID and password in order to access the resources of a software or a website. Clicking Logout button takes a user out of software or

database.

Message	a posting to a topic. A topic consists of the original post that started off the topic, and usually one or more replies.
Permissions	also called modes. Define who has what rights to access files on a web server.
Picture Upload	Every user can have its corresponding picture or gallery of pictures associated to be displayed. A picture can be uploaded during the process of registering.
Post	a posting to a topic. A topic consists of the original post that started off the topic, and usually one or more replies. An individual message posted by a user. It can be made up of plain text, or HTML code, depending on the options that you have set.
Real Time Authorization	In the backdrop of Website, it refers to online verification and authorization of the credit card information provided by a registered user.
Registered User	A user who has been registered on the Website. Anyone can browse the public content of the website without registering, but nobody can post information or view the content that is exclusive for registered users.
Reply	a posting to a topic. A topic consists of the original post that started off the topic, and usually one or more replies.
Search	A feature of Website that helps you find information that you want. To use the Search function, enter keywords (usually one or two) that describe what you are looking for. The Search then returns a list of matching information to you.
Secure Server	A special server used for processing credit card information submitted by users. This server uses Secure Socket Layer (encryption for the protection of our users).
Skin	The entire look and feel of a board: icons, fonts, HTML templates and other settings.

Smilies	A smiley or smilies are a special implementation of graphical representation of commonly used signs or expressions of feelings via special textual character signs. Commonly known as Emoticons, such smilies can be typed directly in a message. Common examples are :) or ☺ for a smiling face or : (or ☹ for a sad face.
SSL	Secure Sockets Layer or SSL encryption is an industry-standard security protocol that transmits users' personal or credit card related information securely and privately over the Internet. SSL provides data privacy, data authentication and message privacy. By convention, Web pages that require an SSL connection start with https: instead of http:
Template	an HTML file used to determine the layout of a page in your website.
Thread	a group of posts usually on a certain subject. On most boards, users can start new threads. Commonly known as Topic in a forum too.
Topic	A new posting on a new subject. Similar to a thread in newsgroup terminology. A topic can have any number of replies, or follow-up posts, which are all grouped under the same topic.
Update	To modify any existing user's information.
User / Member	someone who has registered as a member/user with the website. Different users have different privileges. For example, as an administrator, you are a user who has administrative privileges.
User Agreement	The User Agreement outlines the terms of use for Website service. All registered users must agree to these terms before they can start using the Website.
User ID	User-chosen "nickname" to identify the user to the website database. One cannot change a User ID himself. For this, a user will have to request the Administrator of Website for such a change.
User Information	Any information relating to a user's name, id,

contact, phone, payment, items, etc.

Web Browser

Software that translates HTML documents and allows a user to view a remote Web page. It has a graphical user interface.

Web Site

Internet location of a computer or server on which a hyper linked document (Web page) is stored; also used to refer to the document.

**World Wide Web
(WWW Or W3)**

A hypertext-based, distributed information system.

Appendix C: License Agreement

bbNetwork Ltd (bbBoard v2)
END USER LICENCE AGREEMENT (EULA)
PLEASE READ CAREFULLY

I. INTRODUCTION

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