

Bluetrait 2 Installation Guide

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Introduction

This guide includes the steps required to successfully install Bluetrait 2.

System Requirements

The major change with Bluetrait 2 is the requirement for PHP 5.2.

The table below shows the requirements of both Bluetrait 1 and 2.

	Bluetrait 1.2	Bluetrait 2
PHP	4.3.3+	5.2+
Database	MySQL 4+	MySQL 4.1+/SQLite
Web Server	Apache/IIS	Apache/IIS
Platform	*nix/Windows	*nix/Windows

NOTE: SQLITE IS ONLY SUPPORTED FOR NEW INSTALLS

NOTE: BLUETRAIT 1.2 DOES NOT SUPPORT PHP 6

PHP extensions required

Bluetrait 2 requires the following PHP extensions to be installed:

- PHP_PDO (base database driver)
- PHP_PDO_MYSQL or PHP_PDO_SQLITE (database driver, depended on which database system you wish to use)
- SimpleXML (use for XML)
- Session (used to track users/logins etc)
- Zlib (optional, used for gzip)

Apache or IIS

If you have access to both web servers (Apache or IIS) it is recommended that Apache is used.

Apache supports `mod_rewrite` (nice URLs); IIS does not.

IIS also has some issues with `$_SERVER['REQUEST_URI']` which is used throughout Bluetrait 2.

The main issue is when Bluetrait determines if the comments (including comment form) should be displayed for a post. The best way to overcome this is by using a custom post rewrite rule.

The following rule has been tested to work: `/index.php?bt_id=%post_id%`

This value can be changed in the admin panel under:

Settings -> Permalink Settings -> Post Permalink Format

Otherwise when installing simply disable URL rewriting.

MySQL or SQLite

If you have access to both database systems (MySQL and SQLite) it is recommended that MySQL is used.

Installing

Please note if you already have Apache/PHP/MySQL etc installed please just follow the “Generic Install” guide.

Generic Install

1. Download (<http://download.bluetrait.org/latest2.zip>)
2. Unzip
3. Modify .htaccess if required (i.e not installing in the domain root /)
4. visit bt-install/ in your web browser to install
5. once installed delete the bt-install/ folder

Installing on a Mac (using a MySQL database)

Bluetrait 2 works and is supported on the Mac platform, the following steps need to be completed before Bluetrait will work:

For Mac OS Tiger

1. Install MySQL 5 (found here: <http://dev.mysql.com/doc/refman/5.0/en/mac-os-x-installation.html>)
2. Install PHP5 (found here: <http://www.entropy.ch/software/macosx/php/>)
3. Create a MySQL database. You can use phpMyAdmin to (found here: <http://www.phpmyadmin.net/>) create a new MySQL database.
4. Modify .htaccess if required (i.e not installing in the domain root /)
5. Run Installer
6. once installed delete the bt-install/ folder

Note: Mod_Rewrite is recommended and isn't enabled by default on the Mac (this should help: http://www.ablogapart.org/2005/11/21/enable-mod_rewrite-on-os-x-104-tiger/).

For Mac OS Leopard

1. Install MySQL 5 (found here: <http://dev.mysql.com/doc/refman/5.0/en/mac-os-x-installation.html> please note the comment by Matt Connolly on October 30 2007 5:21am)
2. Enabled PHP (found here: <http://www.bluetrait.com/archive/2007/10/27/how-to-enable-php-on-mac-os-leopard/>)
3. Create a MySQL database. You can use phpMyAdmin to (found here: <http://www.phpmyadmin.net/>) create a new MySQL database.
4. Modify .htaccess if required (i.e not installing in the domain root /)
5. Run Installer
6. once installed delete the bt-install/ folder

Installing on Windows

Installing using WAMP5/WAMPSEVER

1. Install WAMP (found here: <http://www.wampserver.com/en/>)
2. Make sure PDO and PDO database driver (PHP extensions) are enabled (can be done via tray icon)
3. Create a MySQL database through phpMyAdmin
4. Modify .htaccess if required (i.e not installing in the domain root /)
5. Run Installer
6. once installed delete the bt-install/ folder

Installing on *nix

Installing on FreeBSD (6.2)

1. Install Apache 2.2 (best done via FreeBSD port system)
2. Install MySQL 5.1 (best done via FreeBSD port system, found in /usr/ports/databases/mysql51-server)
3. Install PHP5 (best done via ports, found in /usr/ports/lang/php5)
4. Install PHP5 extensions (best done via ports, found in /usr/ports/lang/ and /usr/ports/databases)
5. Create a MySQL database. You can use phpMyAdmin to (found here: <http://www.phpmyadmin.net/>) create a new MySQL database.
6. Modify .htaccess if required (i.e not installing in the domain root /)
7. Run Installer
8. once installed delete the bt-install/ folder

FAQ

Q: Cron doesn't seem to work using WAMP/Vista/IPv6/etc, why?

A: From the looks of it WAMP isn't listening on ::1 (IPv6 localhost) which is what the cron service will try to connect to (localhost == ::1).

There are a few options:

1. Disable IPv6 (some Docs here: <http://www.ipv6day.org/action.php?n=En.Configuration-WindowsVista>), not really recommended.
2. Change the Bluetrait domain from localhost to 127.0.0.1 (or another domain name that has an IPv4 only address)
3. Enable IPv6 on WAMP

Q: After I install Bluetrait 2 the front page shows a 404 error, why?

A: You must first create a post (found in the admin panel /bt-admin/).

Q: Do plugins from Bluetrait 1 work?

A: No, sorry. There has been much change since Bluetrait 1.

Q: How do I write a plugin for Bluetrait 2?

A: Please read the Bluetrait 2 Plugin Guide.

Q: I want to add my own content type, how?

A: Please read the Bluetrait 2 Plugin Guide.

Q: Why is the default theme so ugly?

A: I'm not a graphics designer, the idea is that you the user of Bluetrait design your own theme or use a custom one. The default theme should be fairly easy to understand (basic HTML/CSS) and would be a good starting point to design your own theme. ☺

Q: I have access to both MySQL and SQLite, which should I use?

A: MySQL.

If you have any problems sign up to the mailing list and ask a question (found here: <http://www.bluetrait.org/weblog/archive/2006/10/05/bluetrait-mailing-lists/>).