

TechNote: 2-WordPress Install - FileZilla 3-2-3-1 Setup

Introduction:

Probably the most common File Transfer Protocol (FTP) utility is FileZilla, though there are others. IF, you are developing on your local desktop, or at a location other than the final host, FileZilla is used to move files back and forth to/from your Host server, where your web-site/blog-site is located.

Introduction:	1
Prerequisites:	1
My Development Environment:	1
Installing FileZilla:	1
Homework:	1
Installation Procedure:	2
Testing / Verifying The FileZilla Install:	2
Next Step:	6

Prerequisites:

TechNote: 0-WordPress Install Sequence On XP Pro plus Reference Links

My Development Environment:

See TechNote: 0-WordPress Install Sequence On XP Pro plus Reference Links

Trademark Note: the inclusion of screenshots, in this or other documents without a Trademark [™] symbol by my "FromTheRanks" Blog-site Title or Logo does not imply these are not Trademarked. They are. These are early in-development screenshots taken before the [™] was added.

Installing FileZilla:

Homework:

FileZilla may be downloaded from: <u>http://filezilla-project.org</u>. It is HIGHLY recommended you do your download from this site to ensure the cleanest, and latest, and safest, install.

What you want is the FileZilla CLIENT, not the SERVER – unless you want to turn your box into an FTP server which means opening it up to the outside world.

Note: installing the FTP server is NOT recommended unless you have high levels of security in place including: a separate box/server, firewalls, DMZ, latest Virus checkers constantly updated, etc.







Installation Procedure:

Follow instructions for downloading and installing – very simple so I won't repeat here.

Testing / Verifying The FileZilla Install:

Once you've installed FileZilla and brought it up, you should see a window that looks something like this (I've "scrunched" it down a bit to fit better):

🔁 FileZilla	
<u>File E</u> dit <u>V</u> iew <u>T</u> ransfer <u>S</u> erver <u>B</u> ookmarks <u>H</u> elp	
1월 - 📝 🗉 😭 🗱 🛱 💺 🛷 🔳 옷 🖻	
Host: Username: Pas	isword: Port: Quickconnect
	V
Local site: \	Remote site:
My Computer My Computer A: C: (DISK1 VOL1)	
Filename 🛆 🛛 Filesize Filetype 🛛 Las 🍧	Filename 🛆 Filesize Filetype Last modified
17 directories	Empty directory.
Server/Local file Direction Remote file	Size Priority Status
×	>
Queued files Failed transfers Successful transfers	
	Queue: empty 🔍 🔍 🛒

To test the initial connectivity of FileZilla, from within FileZilla go to:

Edit → Network Configuration Wizard

And set your initial settings as follows (note: your version of FileZilla may look different but most likely will have the same questions. If not, let me know.):



FromTheF The Fundamentals		
Firewall and router configuration wizard		
Please select the default transfer mode you would like to use.		
FTP uses secondary connections for data transfers. These additional connections can be established in two ways.		
In passive mode, which is recommended for most users, FileZilla asks the server for a port and connects to the given port. Not much configuration has to be done for this.		
A few servers don't allow passive mode or are misconfigured. In such cases you would have to use active mode. In active mode, FileZilla opens a port and asks the server to connect to it.		
Default transfer mode:		
Passive (recommended) Active		
Allow fallback to other transfer mode on failure		
If the fallback option is enabled, you will be able to connect to misconfigured servers which reject the selected transfer mode.		
On the following pages, the selected transfer mode will be configured, as well as the fallback		

I've set it up this way to a large degree because IF you have a NAT based router (and most are) such as a D-Link DI-524 Wireless,, they are (mostly) designed to not handle Active transfer modes. This is for security reasons, which is why I un-checked the "Allow fallback to other transfer mode on failure" option.

Next >

Cancel

Here's a quote on "why" from the D-Link site on why they don't recommend or enable Active mode:

< <u>B</u>ack

"Make sure your FTP client software is set to passive. For security reasons the D-Link router does not deal with an active FTP client. An active FTP client can allow a hacker masquerading as an FTP server to gain access to your computer."

Okay, moving on. Set the Configure Passive Mode as follows:

Firewall

mode if enabled.



d and Discussed

V V V The Fundamentals of	of IT Described and Discussed
Firewall and router configuration wizard	
Configure passive mode	
Please configure any firewalls and routers so that FileZilla can establish outgoing connection to arbitrary ports.	
Please note that FileZilla has no influence on the port the server chooses. So the server might choose a port which your firewall thinks is only used by trojans or other malware. This might raise a false alarm you can safely discard.	
If the automatic test at the end of this wizard succeeds, but you cannot transfer files to a particular server, the server might be misconfigured and you should try active mode. You can set the transfer mode on a per-server basis in the Site Manager.	
Some misconfigured remote servers which are behind a router, may reply with their local IP address.	
Use the server's external IP address instead	
< <u>B</u> ack <u>N</u> ext > <u>C</u> ancel	

The next screen will want set-up info for Active mode. Here are my suggested initial settings:

FromTheRanks[™] of IT

Firewall and router configuration wizard	×	
In order to use active mode, FileZilla needs to know your external IP address. Ask your operating system for the external IP address This only works if you are not behind a router, else your system would just return your internal address.		
 Use the following IP address: Use this if you're behind a router and have a static external IP address. Get external IP address from the following URL: 		
http://ip.filezilla-project.org/ip.php Default: http://ip.filezilla-project.org/ip.php Use this option if you have a dynamic IP address. FileZilla will contact the above server once each session as soon as you use active mode for the first time. Only the version of FileZilla you're using is submitted to the server.		
< <u>B</u> ack <u>N</u> ext > <u>C</u> ancel		

Suggested settings for default port ranges is:





Firewall and router	r configuration wizard	×
Configure port range		
In active mode, FileZilla l ports FileZilla will use.	has to listen on a port for data transfers. You have to specify which	
 Ask operating system 	m for a port.)	
In case you have a r influence on the port	router, you will have to forward all available ports, as FileZilla has no rts your system chooses.	
OUse the following por	ort range:	
6000	- 7000	
All ports in the given	n range have to be between 1024 and 65535.	
For reliability you sho	nould specify a range of at least 10 ports.	
If you use a router, i FileZilla on.	, make sure all these ports are forwarded to the machine you're running	g
If you use a firewall,	l, make sure FileZilla is allowed to accept connection on all given ports.	
	< <u>B</u> ack <u>N</u> ext > <u>C</u> ancel)

The "Next" button takes you to the test screen. Run the test. Unless you have something significantly wrong with your Firewall and/or Router and/or Internet connection, this should pass with the possible exception of the Active mode (see error in the Test Results window):

Firewall and router configuration wizard	×
Configuration test At this point, all required information has been gathered. FileZilla can now test your configuration to ensure everything is configured properly. If you click on test, FileZilla will connect to probe.filezilla-project.org and will perform some simple tests. If you get any errors, your configuration is not correct. Test results	
IP 208.127.186.232 cai-bch-big-cdc Response: 200 OK PREP 1913 Response: 200 Using port 1913, data token 776790195 PORT 208,127,186,232,7,121 Response: 502 Port mismatch. Tainted by router or firewall. PORT command tainted by router or firewall. Connection closed	
< <u>B</u> ack <u>N</u> ext > <u>Cancel</u>	

You will note the "502 mismatch. Tainted by router or firewall." However, do *also* note that all prior Passive tests were successful. If that is the case you should be okay for most FTP activities.





If you have to use Active, but can't because of the error, from everything I've been able to find out there is only one possible option:

Get a different router that allows you to setup Active mode.

I am told that they do exist – though I haven't been able to actually find one (yet). But, presuming you do find one there is the associated security risk as mentioned above.

Note: I have tried options like opening up my desktop directly to the Internet via my router's DMZ settings, in effect hard coding its IP address to bypass the router security, but that didn't work ... either.

I'll update this as more research comes in.

Next Step:

The next step is to do the basic setup of MySQL Server 5.1. There will be additional ones to further set up MySQL later on, but, first things first. See: TechNote: 3-WordPress Install - MySQL Server 5-1-x Setup.

