This document describes how to install multiple TikiWiki applications under one Apache web (HTTP) server using the "MultiTiki" approach.

Environment:

Windows XP Professional 2002 Service Pack 3 Intel Core 2 Duo T9300 2.50 GHz 2 GB RAM

TikiWiki-3.1 Apache HTTP Server 2.2 MySQL RDBMS 5.3.1

Apache, PHP, and MySQL were installed as part of installing XAMPP, so the locations of their respective directories may differ from what is on your machine.

The resulting installation will have one TikiWiki code-base (php, smary, javascript, etc.) and three distinct MySQL databases (housed under one MySQL relational database management system). TikiWiki's installer program will create additional directories for each sub-domain, that would not ordinarily be seen after installing a single TikiWiki application.

Create a directory in a location outside of Apache's root directory.

In XAMPP, Apache serves up files out of the "htdocs" directory [for example: C:\xampp\htdocs]. On your machine Apache may serve files out of "www" or "public_html".

If you are not sure of what your root directory is, locate the httpd.conf file under the apache installation, and search for the following section...

"
DocumentRoot: The directory out of which you will serve your
documents. By default, all requests are taken from this directory, but
symbolic links and aliases may be used to point to other locations.
#
DocumentRoot "C:/xampp/htdocs"

In this document, I created a directory called subdomains (name it what you like) as follows ...

"C:\subdomains"

```
In that directory, I unzipped the TikiWiki-3.1.zip file and renamed it "taf" - the name of my application.
```

So I ended up with "C:\subdomains\taf"

You will serve-up TikiWiki out of this directory["C:\subdomains"], rather than Apache's root directory.

Locate and create a backup of Apache's "httpd.conf" file. In an XAMPP install, it can be found here:

C\xampp\apache\conf\httpd.conf

Now, modify the "httpd.conf" file [not the backup] as described below ...

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📄 http:	d-vhosts.conf 📋 hosts 📄 httpd.conf	< >				
182	DocumentRoot "C:/xampp/htdocs"					
183						
184	#					
185	# Each directory to which Apache has access can be (configured with respect				
186	<pre># to which services and features are allowed and/or</pre>	disabled in that				
187	7 # directory (and its subdirectories).					
188	3 #					
189	# First, we configure the "default" to be a very restrictive set of					
190	# features.					
191	#	In the httpd conf file locate the section				
192	<directory></directory>	marked with the Chirectory /> tag Add an				
193	Options FollowSymLinks additional entry that matches the path t					
194	AllowOverride None	your newly created directory for your TikiWiki installation [my example, C:\subdomains].				
195	Order deny,allow					
196	Deny from all					
197						
198		Save this modification				
<pre><directory "c:\subdomains"=""></directory></pre>						
200	Order Deny,Allow					
201 Allow from all						
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203						
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Locate the "hosts" file on your Windows XP machine. It can usually be found at:

C:\WINDOWS\system32\drivers\etc**hosts**

The host file will probably already contain a definition for "localhost". Simply add your subdomain names immediately after it, separating each with one space [""]. Here, I have chosen three subdomain names prefixed to "localhost", with a dot ["."] in between...

127.0.0.1 localhost demo.localhost test.localhost pilot.localhost

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😑 hosts [🖶 httpd.conf 📔 httpd-vhosts.conf 📔 local.php					
1	# Copyright (c) 1993-1999 Microsoft Corp.					
2	#					
3	3 # This is a sample HOSTS file used by Microsoft TCP/IP for Windows.					
4	#					
5	# This file contains the mappings of IP addresses to host names.	Each				
6	# entry should be kept on an individual line. The IP address show	ald				
7	# be placed in the first column followed by the corresponding hos	st name.				
8	8 # The IP address and the host name should be separated by at least one					
9	# space.					
10	#	ad down 1				
10	# Additionally, comments (such as these) may be inserted on indiv	/idual				
12	# lines of following the machine name denoted by a '#' symbol. #	Add your subdomains after the entry				
14	# # For evemple:	for "localhost" and then save these				
15	# For example.	changes.				
16	<pre>" # 102.54.94.97 rhino.acme.com # source server</pre>					
17	# 38.25.63.10 x.acme.com # x client host					
18						
19	127.0.0.1 localhost demo.localhost test.localhost pilot.loc	calhost				
20	127.0.0.1 localhost.local #hmailserver					
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Locate the "httpd-vhosts.conf" file, in the "extra" subdirectory at the following location.

If you do not have this file, you can probably create the same definitions within the "httpd.conf" file, under the section for Virtual Hosts.

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🗎 hosts	😑 httpd.conf 📄 httpd-vhosts.conf 📄 local.php					
32	## ErrorLog @rel_logfiledir@/dummy-host.exa	mple.com-error_log				
33	## CustomLog @rel_logfiledir@/dummy-host.ex	ample.com-access_log common				
34	##					
35						
36	## <virtualhost *:80=""></virtualhost>					
37	## ServerAdmin webmaster@dummy-host2.examp1	e.com				
38	<pre>## DocumentRoot /www/docs/dummy-host2.examp</pre>	le.com				
39	## ServerName dummy-host2.example.com					
40	<pre>## ErrorLog @rel_logfiledir@/dummy-host2.ex</pre>	ample.com-error_log				
41	## CustomLog @rel_logfiledir@/dummy-host2.e	xample.com-access_log common				
42	##					
43	NewsVirtuelHest *	It is very important to get the syntax correct here.				
	Nameviituainost "					
	WirtuelHost th	Put "NameVirtualHost *" at the top and for each of your				
47	ServerName nilot	subdomains put				
48	DocumentRoot "C:/subdomains/taf"					
49		<virtualhost *=""></virtualhost>				
50	ServerName subdomain1					
51	<virtualhost *=""></virtualhost>	DocumentRoot "C:/path/to/your/subdomain/directory"				
52	ServerName demo	(Winter Dect)				
53	DocumentRoot "C:/subdomains/taf"					
54						
55		Of course, "subdomain" should be replaces with one of your				
56	<virtualhost *=""></virtualhost>	subdomain names, and the Document root should match what				
57	ServerName test	you created in the first step. Note the direction of the				
58	DocumentRoot "C:/subdomains/taf"	slashes "/"				
59						
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Once you have saved the changes to httpd.conf, hosts, and (possibly) httpd-vhosts.conf, restart your Apache web server. You are probably running it as a service on Windows XP, and you can restart it by doing the following: Start \rightarrow Run \rightarrow "services.msc" \rightarrow OK \rightarrow right-click Apache 2.2 \rightarrow select "Restart"

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start							

In your TikiWiki install directory [in this example, I renamed it "taf" and it resides in a directory I named "subdomains"], locate the "db" directory...

C:\subdomains\taf\db

In the db directory, there may be a file named "local.php". If so, open it for modification. If not, then created a file by that name and enter the following...

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[]]]]]]]]]]]]]]]]]]]	۶			
😑 hosts 📄 httpd.conf 📄 httpd-vhosts.conf 😑 local.php				
1	akdown			
2 \$db tiki='mysqli';				
3 \$dbversion_tiki='3.0';				
<pre>4 \$host_tiki='localhost';</pre>				
<pre>5 \$user_tiki = 'root';</pre>				
<pre>6 \$pass_tiki = 'yourMySQLRootPassword';</pre>				
7				
8 🔁 if (\$_SERVER["HTTP_HOST"] == "demo" \$_SERVER["HTTP_HOST"] == "www.demo") {				
<pre>9 \$tikidomain = "demo.localhost";</pre>				
10 \$dbs_tiki = "demo";				
<pre>11 } elseif (\$_SERVER["HTTP_HOST"] == "test" \$_SERVER["HTTP_HOST"] == "www.test") {</pre>				
12 <pre>\$tikidomain = "test.localhost";</pre>				
13 \$dbs_tiki = "test";				
14 } elseif (\$_SERVER["HTTP_HOST"] == "pilot" \$_SERVER["HTTP_HOST"] == "www.pilot") {				
15 <pre>\$tikidomain = "pilot.localhost";</pre>				
16 \$dbs_tiki = "pilot";				
17 -)				
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I have chosen to use the same root MySQL password for each of the databases for each of the subdomains. If you want each database to its own root-user and password, you will need to define "user_tiki" and "pass_tiki" within in your "if" and each of your "else-if" blocks.



Here is the text block to copy and modify ...

```
<?php
$db_tiki='mysqli';
$dbversion tiki='3.0';
$host tiki='localhost';
$user tiki = 'root';
$pass_tiki = 'YourMySQLRootPassword';
if ($_SERVER["HTTP_HOST"] == "demo" || $_SERVER["HTTP_HOST"] == "www.demo") {
  $tikidomain = "demo.localhost";
  $dbs_tiki = "demo";
} elseif ($_SERVER["HTTP_HOST"] == "test" || $_SERVER["HTTP_HOST"] == "www.test") {
  $tikidomain = "test.localhost";
  $dbs tiki = "test";
} elseif ($_SERVER["HTTP_HOST"] == "pilot" || $_SERVER["HTTP_HOST"] == "www.pilot") {
 $tikidomain = "pilot.localhost";
  $dbs tiki = "pilot";
}
?>
```

In the "db" directory of your TikiWiki installation, create a new directory named after each of your subdomains.

In my example ...

```
C:\subdomains\taf\db\demo.localhost
C:\subdomains\taf\db\test.localhost
C:\subdomains\taf\db\pilot.localhost
```

[Remember - "taf" is merely what I renamed my one-and-only TikiWiki-3.1 installation]

In each of these directories, create a local.php file for each of your subdomains and corresponding databases...

db\demo.localhost	db\test.localhost	db\pilot.localhost		
<pre><?php \$db_tiki='mysqli'; \$dbversion_tiki='3.0'; \$host_tiki='demo.localhost';</pre></pre>	<pre><?php \$db_tiki='mysqli'; \$dbversion_tiki='3.0'; \$host_tiki='test.localhost';</pre></pre>	<pre><?php \$db_tiki='mysqli'; \$dbversion_tiki='3.0'; \$host tiki='pilot.localhost';</pre></pre>		
<pre>\$user_tiki='root'; \$pass_tiki='YourMySQLRootPassword'; \$dbs_tiki='demo'; ?></pre>	<pre>\$user_tiki='root'; \$pass_tiki='YourMySQLRootPassword'; \$dbs_tiki='test'; ?></pre>	<pre>\$user_tiki='root'; \$pass_tiki='YourMySQLRootPassword'; \$dbs_tiki='pilot'; ?></pre>		

Make sure that your variable names are defined according to your subdomain names [hosts file, again], and your MySQL root user name and password and respective database names to that correspond to each of your subdomains.

In your browser, type in http://demo.localhost/tiki-install.php. In my example, "demo" was the name of one of my subdomains. Doing so will display should display the following screen...

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Tiki 3.0		
Tiki Installer Security Precaution	≣	
You are attempting to run the Tiki Installer. For your protection, this installer can be used only by a site administrator.		
To verify that you are a site administrator, enter your database credentials (database username and password) here.		
If you have forgotten your database credentials, find the directory where you have unpacked your Tiki and have a look inside the db folder into the local.php file.		
Database username : Database password :	Type in your My name and passwo "Validate and C	SQL root user rd, and click ontinue"
Validate and Continue		
Done 🛛 🧃 🌍 Internet	🔍 100% 🔹 🛒	

This is important! If things have gone well, you should see references to "MultiTiki" displayed in the box on the left-hand side of the browser. Since I typed in the subdomain for demo, the "demo.localhost" is bolded where it says "DB OK". This indicates that the install is targeted for the database defined for the "demo" subdomain. The installer will create several subdirectories for each subdomain, within your original TikiWiki installation directory [or "taf" in my case]. Run through the

