

What the heck is a Wiki?

Quoted from <http://c2.com/cgi/wiki>

"The ideas of 'Wiki' seem strange at first, but dive in and explore its links. 'Wiki' is a composition system; it's a discussion medium; it's a repository; it's a mail system; it's a tool for collaboration; it's a cult. Really, we don't know quite what it is, but it's a fun way of communicating asynchronously across the network. "

Why as a MVS guy, do I need a Wiki?

- Ever wanted all your documentation on the mainframe?
- Needed a place to keep notes.. but typing in a PDS can be a pain?
- Pictures in a text only doc are a pain
- Needed a way to organize Word documents, Excel spread sheets etc etc with a couple of notes about each one?
- Just want to show the **ix folks that the mainframe can do any "open" software just like they can?

Assumptions

- This installation documentation assumes that this is being done as an add-on to the Tomcat JZOS lab at SHARE.
- I am assuming that you are a MVS systems programmer with limited knowlege of the world of applications servers, html, css, unix and wiki's.

Things you will need know

1. What is the ipaddress or dns entry for your Tomcat installation?
2. What is the port number for your Tomcat installation?
3. What is the \$TOMCAT_HOME directory?

Things you will have to have a place to store

1. a directory to store all the new Wiki pages.
 - I will refer to it as \$WIKI_HOME. (i.e /u/zwiki)

Installation

Tomcat installation

Hopefully you have installed Tomcat and have verified that you can load a page.

`http://ipaddress:port/`

Should bring up the default Tomcat page that says:

If you're seeing this page via a web browser, it means you've setup Tomcat successfully.
Congratulations!

Get JSPWiki

Download the latest stable release. Unless you are prepared for more difficulties, stick with the stable release.

<http://www.jspwiki.org/wiki/JSPWikiDownload>

1. save the .zip to your workstation
2. unzip the file
3. find the JSPWiki.war file
4. rename JSPWiki.war to zwiki.war

Decide what you want to call the Wiki

For the ease of use let's call our Wiki zwiki

Deploy JSPWiki

Method 1 Tomcat Manager

1. Use the link `http://ipaddress:port/manager/html` to bring up the Tomcat Manager
2. In the "WAR file to deploy" part of the Manager page, click BROWSE to locate the zwiki.war file.
3. Click DEPLOY
4. Locate the zwiki application in the "APPLICATION" section of the page and

JSPWikiInstallForZOS

click STOP (look to the right)

After deployment... Customization

There are a number of things to change:

- `jspwiki.applicationName = zwiki`
- `jspwiki.fileSystemProvider.pageDir = $WIKI_HOME`
- `jspwiki.basicAttachmentProvider.storageDir = $WIKI_HOME`
- `jspwiki.baseURL= http://ipaddress:tomcat-port/zwiki/`
- `jspwiki.referenceStyle=relative`
- `jspwiki.translatorReader.allowHTML = true`
 - o **DANGER Will Robinson!!!** only use this if the wiki is being "secured"... do not use it in an open Wiki!!
- `jspwiki.interWikiRef.wiki = http://ipaddress:tomcat-port/zwiki/Wiki.jsp?page=%s`
 - o you have to add this line

How do I change it?.. Hopefully, you have completed the lab about editing ASCII files. I am including some basics:

I am making the assumption that you are using telnet or ssh to talk to USS on your system.

Turn on autoconvert and vi the file

1. `$ export _BPXK_AUTOCVT=ON`
2. `$ cd $TOMCAT_HOME/webapps/zwiki/WEB-INF`
3. `$ chtag -tc ISO8859-1 ./jspwiki.properties`
4. `$ vi ./jspwiki.properties`

Use the arrow keys to get to the first area to begin typing...

- `i` << begin insert
- `[ESC]` << stop whatever I was doing before
- `x` << delete a character

After the changes are completed

JSPWikiInstallForZOS

- [ESC] << tell vi to get out of any other mode
- [SHIFT]-[Q] << it is time to Quit so give me a vi cmd prompt
- wq << another word for save is write-quit
- [ENTER] << now press the enter key

Make the directory for Wiki pages

```
$ mkdir $WIKI_HOME
```

FTP the sample pages up

From your workstation..

1. c:\> ftp ipaddress
2. ftp> bin
3. ftp> cd \$WIKI_HOME
4. ftp> put jspwiki-samplepages.zip
5. ftp> quit

Unzip the sample pages

From telnet or ssh session.. (..."\$" is the unix prompt)

1. \$ cd \$WIKI_HOME
2. \$ jar -xvf ./jspwiki-samplepages.zip
3. \$ rm ./jspwiki-samplepages.zip

Start zwiki using Tomcat Manager

1. Use the link <http://ipaddress:port/manager/html> to bring up the Tomcat Manager
2. Locate the zwiki application in the "APPLICATION" section of the page and click START (look to the right)

Start Using Your Wiki

Using your browser type in
http://ipaddress:port/zwiki

Parting note

This pdf was produced from a wiki running on:

- z/os 1.6
- Jzos 1.2.1
- Java 1.4.2
- Tomcat 5.0.28
- JSPWiki 2.2.28
- PDF Plugin see <http://www.jspwiki.org/wiki/PDFPlugin>

Author Information

Name: Rob Schramm

Occupation: Systems Programmer

e-mail: rob.schramm@53.com