

WEBMACRO WIKI

DEVELOPING AND MANAGING A WIKI SITE USING WEBMACRO WIKI

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A WIKI SITE: THE RAW MATERIALS

Creating a wiki site from WM wiki is easy but you must follow a process and understand the parts you are working with. It is like following a recipe. First, let's understand the major parts you have to work with in the directory tree.

<i>Element</i>	<i>Description</i>
build.xml	Builds the baseline wiki and helps you build a new wiki.
builds/help/	Where this document lives.
src/	The source tree for wiki which you should not have to modify.
builds/www.webmacro.org/	The baseline wiki. Your wiki will be built from this structure.
builds/www.webmacro.org/templates/	The templates for rendering a wiki page. A few of these will be modified by you in creating a wiki site.
builds/www.webmacro.org/htdocs/	A few files including image files which you will have to replace.
builds/www.webmacro.org/etc	Contains the deployment file, web.xml, and the runtime property file for wiki, wiki.properties.

You will ***not*** change any of these files in their original locations. They represent a baseline for you. In the next chapter, you will create your work area which will be referred to as your ***SiteName***. For the remainder of the document:

wiki.opendoors.com	will be the site name; and it will be the directory created in the next section. You will use a different name.
/deploy/wiki.opendoors.com	will be the target installation directory.

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INITIALIZING YOUR SITE FOR DEVELOPMENT

To initialize your working site, run an ant task from the root directory:

```
>ant prepareNewWiki -Dsite.name=wiki.opendoors.com
```

This will create and populate a directory, builds/wiki.opendoors.com/ inside the Wiki development tree. It does not populate the target deployment directory. (Again, your name will be different: builds/www.yoursitename.com).

Here are the basic tasks which you must complete in this development directory. This is to give your wiki its own look and feel and additional behaviors.

<i>Files to Modify</i>	<i>Activities</i>
templates/*.wm	Replace in the template files, WebMacro, and any other text as desired. The templates are like html docs. Format the header and footer templates to taste.
htocs/site-style.css	This file controls the overall look and feel. Modify to taste.
htdocs/images/logo-normal.gif, logo-small.gif	Replace contents of these files with your own logos.
templates/webmacro.wm	Rename this file to home.wm and edit to taste. This will be your default start up file for http://wiki.opendoors.com

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<i>Files to Modify</i>	<i>Activities</i>
etc/wiki.properties	Change: WebMacro: webmacro.wm to Home: home.wm Change: StartPage: WebMacro to StartPage: Home

PERFORMING THE DEPLOYMENT

A Note About Servlet Containers

The WebMacro Wiki runs successfully on the Caucho Java Servlet Container, Resin. This is the preferred Servlet container for WebMacro Wiki. The web.xml file which ships with WebMacro Wiki contains the following element which is **not** recognized as a standard attribute in a web.xml file.

```
<servlet-mapping url-regexp='^[^\.]+$' servlet-name='WikiServlet' />
```

To achieve this mapping using Apache and Tomcat is beyond the scope of this document. It can be done but it requires that you use Apache to handle references that do not satisfy the above regular expression.

At this stage, builds/wiki.opendoors.com/ has been edited and updated to the extent possible. It represents a your wiki baseline. You should edit this baseline going forward. As needed, you will introduce custom templates.

NOTE: To introduce a custom template, add the wiki page it maps to in wiki.properties. For example:

VisitorStats: visitorstats.wm

would tell the wiki runtime engine to parse out visitorstats.wm for a reference to <http://VisitorStats>. The default page viewer would not be parsed out (view.wm).

To perform the deployment, go to the root directory, and enter the following command:

```
>ant install -Dsite.name=wiki.opendoors.com -Ddir.install=/deploy/wiki.opendoors.com
```

The above task will create a document root at [/deploy/wiki.opendoors.com/deploy](http://deploy/wiki.opendoors.com/deploy). This is your document root for <http://wiki.opendoors.com>.

If you want to clean the target after some development, work use this task:

```
>ant clean -Dsite.name=wiki.opendoors.com -Ddir.install=/deploy/wiki.opendoors.com
```

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The above task will clean your target directory including all existing data, so use this task with care. Generally, the ***install*** target is sufficient to overwrite your deployment files and preserve your data stores. Using the ***clean*** task wipes out the entire deployment target and is provided as a convenience.

This will merge into your work space /builds/wiki.opendoors.com/, the original baseline from builds/www.webmacro.org/. The task will not overwrite existing files in case you have manually copied over some existing templates for modification.

Once the copy command is complete, the task will jar up all the resources and you should be able to start testing your web site at <http://wiki.opendoors.com>.

Good luck!