

How To Build Web Services Project's Website

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1. Installing Forrest

The Web Services website build system requires two components to perform a build. [Ant](#) and [forrest](#).

Specifically the build has been tested to work with Ant version 1.6.X and Forrest 0.7. To install these products download the distributions and follow the instructions in their documentation. Make sure you don't forget to set the environment variables FORREST_HOME and ANT_HOME. The ANT_HOME/bin directory should be in the path.

2. Checking out ws-site module

Check out

ws-site

module via your favorite CVS tools. Please follow the guideline written [here](#).

3. Running the Build

The main targets of interest to our users are:

Target	Description
clean	Erase all build work products (ie, everything in the build directory)
site	Build site
replace	Build site and copy to ./targets directory
run-forrest (default)	Do clean up and build Site

4. For Committers

The procedure to make changes to <http://ws.apache.org/> ...

- *cd* into the local "ws-site" CVS dir
- execute "ant"
- execute "ant replace"
- cvs commit
- (If you are in a hurry) ssh to www.apache.org, *cd* to /www/ws.apache.org, and execute "cvs update -P"

5. TIPS

You can check whether ws-site will be successfully built or not by following these procedures.

- cd into the local "ws-site" CVS dir
- execute "forrest run"
- point the browser to <http://localhost:8888/> to see the site
- edit the docs *in place* (build/webapp/content/xdocs/...) and see changes via the browser by reloading the page

6. F.A.Q.

Q1.

I encountered

The <xmlcatalog> data type doesn't support the nested "catalogpath" element.
error, during the build.

A1.

Please make sure that your Ant version is later than 1.6 alpha. You can check the Ant version, by running "ant -version".

Q2.

I see an error like this regarding mirrors.pdf
[java] X [0] mirrors.pdf BROKEN

A2.

This is a known issue, but does not affect the site itself.

Q3.

The run-forrest target does not complete because of the mirrors.pdf error, so i can't update the site

A3.

There is another target named 'replace' that does the appropriate work

(more to be come)