Building Forrest

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1.1. Step-by-step Subversion (SVN) instructions

> **Note:**
> If you are behind a proxy, see this FAQ.

1. Make sure you have a recent release of a Subversion client installed and properly configured.
2. Read the ASF notes about source repositories and version control.
3. At a command prompt, enter 'svn co http://svn.apache.org/repos/asf/forrest/trunk forrest' (committers should replace http with https).
4. This will create a directory called "forrest" where the Forrest source will be stored.

Whenever you want to update your Forrest source tree to the current version, change to the top-level "forrest" directory and invoke 'svn update'.

To see what changes you've made, invoke 'svn status'

SVN is really powerful. See Version Control with Subversion - the opensource SVN book.

2. Building and installing Forrest

> **Note:**
> This document applies to the current 0.7 release version. See other instructions for the current development 0.8-dev version.

To build Forrest, change directory to 'forrest/main', and then type 'build' on Windows or './build.sh' on Unix. (Requires Java 1.4) If everything is successful, you should see a message similar to:

```
 *----------------------------------------------------------------
 | Installation notice
 *----------------------------------------------------------------
 | You have built the X.Y-dev version of Forrest.
 | Please set the environment variable FORREST_HOME point to
 |  /svn/forrest
 | It is recommended to add
 |    unix: $FORREST_HOME/bin: to your $PATH
 |    win: %FORREST_HOME%\bin; to your %PATH%
 | Then do 'forrest -projecthelp' to list options for the 'forrest' command
 | More help at http://forrest.apache.org/
 *----------------------------------------------------------------
```

As the message says, you need to add the distribution's bin/ ("binary") directory to your PATH variable, so the 'forrest' command is available everywhere:

```
[~]$ cd /path/to/svn/forrest
[/svn/forrest]$ export FORREST_HOME=`pwd`
[/svn/forrest]$ export PATH=$PATH:$FORREST_HOME/bin
```

> **Warning:**
> After updating the Forrest source from SVN, if there have been certain types of updates (e.g. Java sources, supporting libraries, build system,

etc.) you will need to clean and build forrest again. Do 'cd forrest/main; build clean; build".

3. Run Forrest, run!

Forrest is now ready to go. To view and edit the local copy of Forrest core documentation, cd to site-author and do `'forrest run'` to see the local webapp using the bundled Jetty server. Edit something in content/xdocs/*.xml see the immediate effect.

The document Using Forrest is your next step.