

# Building Forrest

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## 1. Getting the Forrest source

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

**Note:**

If you are behind a proxy, see [this FAQ](http://subversion.tigris.org/project_faq.html#proxy) (http://subversion.tigris.org/project\_faq.html#proxy) .

1. Make sure you have a recent release of a [Subversion](http://subversion.tigris.org/) (http://subversion.tigris.org/) client installed and properly configured.
  2. Read the ASF notes about source repositories and [version control](http://www.apache.org/dev/version-control.html) (http://www.apache.org/dev/version-control.html) .
  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](http://svnbook.red-bean.com/) (http://svnbook.red-bean.com/) - the opensource SVN book.

## 2. Building and Installing Forrest

To build Forrest, type 'build' on Windows, or './build.sh' on Unix. If everything is successful, you should see a message like this:

```
* -----
| installation notice
* -----
| You have built the distribution of Forrest.
| Please set the environment variable FORREST_HOME point to src/core
| 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:

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```
~/apache/forrest$ export FORREST_HOME=`pwd`/src/core  
~/apache/forrest$ export PATH=$PATH:$FORREST_HOME/bin
```

After updating the Forrest source from SVN, or after you have made changes, you will need to build forrest again. If there have been major updates, then run 'build clean' before './build.sh'

### **3. Run Forrest, run!**

Forrest is now ready to go. Type 'forrest run' to see the local webapp using the bundled Jetty server. Edit some of Forrest's core documentation and see the effect. The document [Using Forrest](http://forrest.apache.org/docs/your-project.html) (<http://forrest.apache.org/docs/your-project.html>) is your next step.