

# Notes for forrest.zones.apache.org

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## 1 Overview

The server [forrest.zones.apache.org](https://forrest.zones.apache.org) provides our testing and demonstration area. It is managed by Apache Forrest committers. The material is intended for developer use only.

## 2 Configuration

Configuration files and directory structures are stored in SVN at <https://svn.apache.org/repos/asf/forrest/zone> and additional private stuff is in our [pmc/forrest/zone](https://svn.apache.org/repos/asf/pmc/forrest/zone) SVN.

### config

```
creates /export/home/config ... $CONFIG
directories /forrestbot-*/ are the forrestbot homes, see below.
setenv*.sh ... these are sourced by the forrestbots and other
cronjobs and user configs, to set the environment.
```

### htdocs

```
creates /var/apache2/htdocs ... $DOC_ROOT
directories /ft/ and /fts/ are the forrestbot config and results, see below.
```

### test-sources

```
A place to hold sources for various test sites.
Normally these would be in the relevant project's SVN.
Hold them here until building properly.
```

All files are owned in the group "other" so any one of us can edit/update. Make sure that your 'umask' is set properly so that new files have group write permissions. See the [notes](#) about user administration. **FIXME:** Add a proper group.

Cron runs the various Forrestbots and management tasks, such as updating the forrest-trunk software; cleaning up old logfiles, etc. **FIXME:** These are not yet managed under SVN, see [~crossley/my-crontab.txt](#)

## 3 Software

Global zone software is as described in [zone administration](#).

Various local software is installed in `/export/opt/` (not managed with SVN) ...

Our Apache httpd server is managed using [Solaris SMF](#) so should always come back up automatically after a failure or machine reboot.

### 3.1 Forrest

#### forrest-trunk

```
svn checkout of trunk.
automatically 'svn update' and 'build' via cron: $CONFIG/update-forrest-trunk.sh
```

#### forrest-trunk-stable

```
svn checkout of trunk, manually updated as needed.
```

## forrest-release

```
svn checkout of current release branch, manually updated as needed.
```

To manually update -stable or -release do this:

```
source $CONFIG/setenv-java-14.sh
cd /export/opt/forrest-trunk-stable
svn up
cd main
./build.sh clean; ./build.sh
```

## 4 The forrestbots

There are various forrestbots operating with different versions of forrest. Their home is at \$CONFIG  
\$CONFIG/forrestbot-trunk

```
forrestbot operating with trunk.
builds various sites automatically, triggered via cron.
Configuration files and the generated results are at $DOC_ROOT/ft/
```

### \$CONFIG/forrestbot-trunk-stable

```
forrestbot operating with trunk-stable.
builds various sites, only runs when needed, triggered via cron.
Configuration files and the generated results are at $DOC_ROOT/fts/
```

Forrestbot logs are at \$CONFIG/forrestbot-trunk\*/logs/ and old ones are cleaned up by the crontab. There is also a log file for each site that forrestbot builds which captures the output of cron (cronout-\*.txt). Be sure to verify this logfile after making configuration changes.

## 5 Administration

See the general notes for the [zone administration](#).

The project chair is the root user. Committers can ask on the dev list to get a user account added or modified.

As requested by that infra doc, keep our zone info up-to-date (see <https://svn.apache.org/repos/infra/infrastructure/trunk/docs/machines/helios/zones.txt>).

We have minimally configured our zone. See some other projects' config ideas, e.g.

[GumpZonesConfig](#) and those of us on the Cocoon PMC can see their config in their "pmc" SVN.

Monitor the infrastructure@ [mail lists](#) for changes to the [zones machine](#).

Keep an eye on the status of 'helios' via the [monitoring](#) service.

Occasionally the "SSL server certificate" will change for svn.apache.org server. Monitor the infrastructure and committers mail lists, and see infra [notes](#) about this topic.

If you think that you need to contact [infra](#) about anything, then please try our Forrest dev or private list first. See the monitor page for [Service Status](#).

Keep an occasional eye on \$CONFIG/update-forrest-trunk.log This is the output of the cronjob to do svn update to trunk and re-build.

## 5.1 User administration

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After receiving your account, please be sure to configure it properly.

See some notes at [zone administration](#) and the general notes for [new committers](#) (especially the part about 'umask').

Look at the setup of some other users on our zone.

## 6 Other notes

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- See some other discussion in the thread [Re: zone for testing forrest](#)