NAME

How to release a version of Aegis

CHECKLIST

This document describes the steps involved in issuing a new release of Aegis. It is a simple procedure, but there is enough to do, and it happens sufficiently rarely, that it was worth writing down.

NEW BRANCH

The version stamping is *post*-numbered. You decide what major or minor version number you want as you are about to release, not when you start work.

Finish development of the branch in the normal way. For example, if you are working on project *aegis.51.19*, then you would say

```
% aede -p aegis.51 19
% aerpass -p aegis.51 19
% aeib -p aegis.51 19
% aed -p aegis.51 19
% aeb -p aegis.51 19
% aet -p aegis.51 19
% aet -reg -p aegis.51 -c 19
% aeipass -reg -p aegis.51 -c 19
%
```

At this point, branch 19 if project *aegis.51* is completed. Cut a new branch, as follows

```
% aenbr -p aegis.51 20
%
```

The branch number will default. This is OK unless you ever skipped a number – in which case it will back fill which is usually undesirable.

At this point project *aegis.51.20* is ready for use. If you want a major version number increment, the process is similar, however you must also terminate the *aegis.51* branch, and you may well want to create a branch on the branch, to get back to a two-number version scheme.

```
aede -p aegis.51 19   et al, to complete
aede -p aegis 51      et al, to complete
aenbr -p aegis 52
aenbr -p aegis 52 0
```

The purpose of a *post*-numbered branching scheme is that, at any point, you can cut a suitable bug-fix sub-branch.

Verify New Branch

Create a new change on the branch you just created, and start development of it.

Update any version numbering files, or create any special release notes files, *etc*, as required. Much of this can be obtained from Aegis, but not all of it.

Create a new change for the previous branch to preserve the change file of the just-released version. Continuing the above example:

```
% aenf etc/CHANGES.51.19
% bl*/etc/CHANGES.sh aegis.51.19 > etc/CHANGES.51.19
%
```

Verify New Branch

The first pass of verifying the release set is to use the

```
% aeb check-tarball
lots of output
%
```

command. This builds The tarball, and then unpacks it and builds Aegis from scratch. It is a fairly vigorous test of the build and install, though highly Linux specific. Fix any problems encountered.

Take the `archive/aegis.4.25.tar.gz` file from the current change. Try it out on as many different architectures as you have access to. Try as many of these as you have access to: various Linux distributions (including AMD64), various BSD distributions, various Solaris versions, MacOSX, AIX, HP/UX, SGI. Some are such bad implementations of Unix that you will almost always find something.

Once you have fixed all of the problems, develop end and integrate the change as normal. This creates the initial baseline for this branch; it will contain the appropriate version numbers for release.

ARCHIVES

Once a viable release is ready, it is necessary to upload it to the archives.

Update Primary Archive

The *aeb check-tarball* step, above, produces a bunch of files suitable for installation on SourceForge to as the CGI interface. This serves a s a demo of Aegis' distributed development facilities, and is also used by Aegis developers for just this use. Upload the *aegis-sf.tgz* file and unpack it

```
% scp aegis-sf.tgz aegis.sourceforge.net:.
% ssh aegis.sourceforge.net
blah blah
%
```

Transfer a copy to `aegis.sourceforge.net` by FTP. Use the following commands

```
% aecd -bl archive
% scp -r . aegis.sourceforge.net:aegis.web/htdocs/.
%
```

You also need to update the SourceForge download servers. This is best done by using FTP from *aegis.sourceforge.net* to *upload.sourceforge.net* as this is a fast internal SourceForge network transfer, and not a slower through-the-cloud transfer.

Update SourceForge Archive

Transfer a copy to `upload.sourceforge.net` by FTP. Login as `anonymous` and change to the `/incoming` directory. Use the following commands

```
% aecd -bl archive
% ftp upload.sourceforge.net
user: anonymous
ftp> cd /incoming
ftp> binary
ftp> put aegis-4.25.tar.gz
ftp> put aegis-4.25.rm.pdf
ftp> put aegis-4.25.ug.pdf
ftp> quit
%
```

NOTIFICATION

Once the archives are ready, you can let folks know it's there.

Only send the notifications *after* the files are actually available at the archive site.

SourceForge.Net

This is *way* harder than any sane person expects. Go to http://sourceforge.net and login then go to http://sourceforge.net/projects/aegis/ and click the **Admin** link, and the **File Releases** link, and the **[Add Release]** link (near the bottom of the page). In the "*New release name*" box put the version number, and click the "*Create This Release*" button. In the "*Paste The Notes In*" box type

http://aegis.sourceforge.net/change_log.txt

And then finish the rest of the rather cumbersome dialog gunk.

Translation Project

Send a notification to the Translation Project *robot@translationproject.org* list. It should look like this:

```
To: robot@translationproject.org
Reply-To: pmiller@opensource.org.au
Subject: aegis-4.25.pot

I am pleased to announce that Aegis 4.25 is now available.
The tarball may be found at
http://aegis.sourceforge.net/aegis-4.25.tar.gz
```

Note that this is read and processed by a robot, so don't worry about the human-friendly language of the other notifications.

Only send this notification *after* the files are actually available at the archive site.

Notify Mailing List

Send a notification to the *aegis−users@auug.org.au* list. It should look like this:

```
To: aegis-users@auug.org.au
Reply-To: pmiller@opensource.org.au
Subject: Aegis 4.25 - a project change supervisor

I am pleased to announce that Aegis 4.25 is now available.

Aegis is a transaction-based software configuration management
system.  It provides a framework within which a team of developers
may work on many changes to a program independently, and Aegis
coordinates integrating these changes back into the master source
of the program, with as little disruption as possible.

You are invited to visit
                  http://aegis.sourceforge.net/
for a more complete description of what Aegis is, and access to
the download files.

If you are upgrading, please take the time to read the release
notes, which may be found in the README file in the sources, or on
the web site at
            http://aegis.sourceforge.net/change_log.txt
```

put your `.sig` *file here*

Only send this notification *after* the files are actually available at the archive site.

Notify Web

•) Notify `www.freshmeat.net` that a new release of Aegis is available. Search for "aegis" as there is already an application record.

• Notify `chris@absolutegiganten.org` that a new release of Aegis is available, he's the Debian package maintainer.

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aegis version 4.25.D510

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