

Open issues for the next release

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Note:

These are the top 25 open issues for the next release that are scheduled in our [issue tracking system](#) (see [all](#) open issues). The listing below is regenerated on each Forrest run.

1. [FOR-144] define new format for skinconf.xml

<http://issues.apache.org/jira/browse/FOR-144>

We are attempting to define a new extensible skinconf format. Here is one thread where the discussion is happening (there were some other threads leading up to that). <http://marc.theaimsgroup.com/?t=108315759100005>

<http://marc.theaimsgroup.com/?t=108315759100005>

2. [FOR-588] Design new configuration system

<http://issues.apache.org/jira/browse/FOR-588>

We need a new config system for Forrest for various reasons: the initial config system was known to be limited; to enable the specification of multiple Forrest sites within a single instance of Forrest; to accommodate the changes brought about by forrest:views, themes, and plugins.

3. [FOR-591] MaxMemory needs increasing

<http://issues.apache.org/jira/browse/FOR-591>

Since the docs restructuring for the 0.7 release it has become necessary to increase the maxmemory to be able to build the Forrest site. Does this indicate a memory leak? Does someone have the tools to run some diagnostics? (NB maxmemory has been increased in forrest.properties, if we resolve this issue it should be reduced again)

4. [FOR-713] HTML-to-document.xsl no longer generates an XDoc

<http://issues.apache.org/jira/browse/FOR-713>

html-to-document.xsl no longer converts content to an XDoc. Instead it renders converts documents to XDoc, instead it allows H1, H2 etc. elements to pass through. The result is a page that seems to render correctly and in the single test case I have used it still renders correctly in PDF and Text format. However, this is a backward incompatible change that will break sites that use includes with XPath statements such as /section[@id="foo"] (sections are no longer created)

5. [FOR-572] run a memory profiler while forrest is operating

<http://issues.apache.org/jira/browse/FOR-572>

We need to run a memory profiler while forrest is operating.

6. [FOR-427] Need licensing element in plugins.xml

<http://issues.apache.org/jira/browse/FOR-427>

Since plugins can be hosted on different sites they can be released under licenses other than the Apache one. We need an element in `plugins.xml` that records the type of license a plugin is released under. This element should be used by the plugin install process to verify that the user agrees to the terms of that license before download and installation is started.

7. [FOR-388] Use plugins in-place if src available

<http://issues.apache.org/jira/browse/FOR-388>

At present Forrest will attempt to download plugins even if they are available in src form in the local filesystem as part of an SVN checkout.

 Have Forrest mount plugins from designated directories in preference to downloading them wherever possible (need more than possible location for src plugins as some people may be developing their own plugins outside of Forrest)

8. [FOR-630] Forrest strategy and direction

<http://issues.apache.org/jira/browse/FOR-630>

[illegible]

 * [C] Content directory.

9. [FOR-654] Create Schema for XHTML2 subset

<http://issues.apache.org/jira/browse/FOR-654>

We need a RelaxNG schema for the subset of XHTML identified in:
 http://marc.theaimsgroup.co

10. [FOR-701] Missing locationmap entry gives poor error

<http://issues.apache.org/jira/browse/FOR-701>

If there is no locationmap entry for a resource we get a "resource not found" error. This is fine if it is the actual source file that is missing. However, now that we are using the LM to find other intermediate resources, such as stylesheets etc. it can be misleading.

 We need to throw a meaningful error when when a resource cannot be found.

11. [FOR-707] Document i18n features of Forrest

<http://issues.apache.org/jira/browse/FOR-707>

There is next to no documentation about i18n, just a pretty poor FAQ entry that points at an issue that has now been closed.

 Cheche wrote a blog entry on his work:

 http://casa.che-che.

 We could, at the very least use the locationmap to pull this content into our site [OT: I wonder if this could be a way to generate more documentation?)

12. [FOR-711] Cache results from the Locationmap

<http://issues.apache.org/jira/browse/FOR-711>

Now that we are using the locationmap extensively it is showing up just how innefficient it is. The problem is that for the majority of requests there are multiple requeests to the locationmap. We can make things much faster (especially on the first page request) by caching results in the locationmap.

 I think a simple cache will suffice, lets just provide a static hashmap using the hint as a key and, of course, the location as the value.

 If we test all locationmaps and find no result we should record that tere is no result in this hashmap. This will also be a good place to throw an exception so that Cocoon can better report such errors (see FOR-701)

13. [FOR-675] upgrading to commons-jxpath-1.2.jar causes failures with linkrewriter protocols site: etc.

<http://issues.apache.org/jira/browse/FOR-675>

upgrading from commons-jxpath-20030909.jar to commons-jxpath-1.2.jar causes failures with linkrewriter protocols site: etc. This happens in both modes: 'forret run' and 'forrest'.

14. [FOR-490] serve multiple sites on a single Forrest instance

<http://issues.apache.org/jira/browse/FOR-490>

Nicola Ken Barozzi wrote:
> After that, it would be beneficial to be able to serve
> multiple sites on a single Forrest instance, so that we
> can have other projects join and
> have their site served.
This last point (serving multiple "sites" from one Forrest instance) is important even without moving Forrest to a live server (I'm +1 on this).
Right now we have various styleguides in Forrest and if I need to run them at once I have to start Forrest/jetty with different ports.
(From Thread "[RT] Serving Apache Forrest site from live Forrest" on dev-list. Will add link later.)

15. [FOR-343] Upgrading Plugins

<http://issues.apache.org/jira/browse/FOR-343>

Currently when installing a plugin Forrest attempts to install the most suitable version available. However, it makes no attempt to upgrade plugins when an upgrade becomes available.
We need a target in the buildfile that will upgrade an indicated plugin when possible. This can then (optionally) be used when running Forrest to automatically upgrade plugins.

16. [FOR-277] investigate use of forrest-0.6-dev as webapp with Tomcat 5

<http://issues.apache.org/jira/browse/FOR-277>

Some people report having troubles running Forrest as a webapp under Tomcat. Needs investigation before 0.6 release.
This is the background email to forrest-users:
<http://mail-archives.apache.org/eyebrowse/ReadMsg?listId=260&msgNo=282>
Forrest 0.6 Interaction with Tomcat 5.0.27
Wed, 4 Aug 2004 10:18:34 -0500

17. [FOR-284] link rewriting broken when linking to xml source views which contain site: links

<http://issues.apache.org/jira/browse/FOR-284>

When linking to *.xml files (e.g. to demonstrate a source file) then if that file contains "site:" or "ext:" links, then they are reported as broken, e.g. docs/site:dtd-docs

18. [FOR-247] Tigris *.css need cleanup to remove our local changes

<http://issues.apache.org/jira/browse/FOR-247>

We have made some local changes to our copies of the tigris *.css which actually need to go into an over-riding css. Also remove our license notice which was added by accident.
<http://marc.theaimsgroup.com/?l=forrest-dev&m=109169132601758>

19. [FOR-241] character entities (e.g. ampersand) are expanded again for href or

src attributes

<http://issues.apache.org/jira/browse/FOR-241>

If I have a url like this inside the XML source: `

 http://sourceforge.net/sflogo.php?g`
`

 validate-xdocs fails because it wants the literal & to be typed out as &#amp;`
 instead. So I correct it to become: `

 http://sourceforge.net/sflogo.php?g`
`

 However, the generated HTML has the entity resolution UNDONE!:

 http://sourceforge.net/sflogo.php?g

 This HTML fails validation as 4.01 transitional.

 David Crossley adds:

 There is a demonstration of the problem in the document

src/documentation/content/xdocs/docs/dreams.xml
 The ampersand in the link element text is properly handled but
 the ampersand in the link href attribute is not.`

20. [FOR-210] whole-site html and pdf: broken link faq, broken image links

<http://issues.apache.org/jira/browse/FOR-210>

The "fresh-site" build from 'forrest seed site' reports some failures for faq.html and various missing images. Wonder if sitemap issue?

21. [FOR-209] First level selected tab is not highlighted when containing 2nd level tabs

<http://issues.apache.org/jira/browse/FOR-209>

When there are two levels of tabs, the selected first level tab does not get highlighted, nor are there any other visual or structural clues as to which first-level tab is active, and which contains the displayed 2nd level tabs. This is checked with both the default skin, and with tigris-style.

22. [FOR-211] whole-site html and pdf: broken ext links

<http://issues.apache.org/jira/browse/FOR-211>

In the the generated site.html all of the external links are broken (i.e. the href attributes are like ... error:#ext:forrest).

23. [FOR-215] site.lucene name colaps with site.html request

<http://issues.apache.org/jira/browse/FOR-215>

Any link called site.html or site.pdf produce a loop on the search functionality. The reason is an internal request called `cocoon://site.lucene` a work around would be to choose another name for this internal request. But this means that a request called /index-creation.html would have the same problem.

24. [FOR-203] 2nd level tabs are not selected appropriately

<http://issues.apache.org/jira/browse/FOR-203>

The 2nd level tabs are not shown for menu entries that caused the issue FOR-111. This happens because the starts-with() path comparison fails for menu entries that do not reside the same directory as is specified in the "dir" attribute of the 2nd level tabs.

 See the attached bug-demo.tgz for an example. Select "Samples/Apache document" and notice that the 2nd level tabs are shown. Now select "Samples/BUG DEMO" and notice that the 2nd level tabs are not shown.

 This is because the document corresponding to "Samples/Apache document" resides in the directory "/samples" whereas the document corresponding to "Samples/BUG DEMO" resides in the directory "/bug-sample".

 Kind regards,
 Lorenz Frohofer.

25. [FOR-200] Locationmap for Forrest and Users

<http://issues.apache.org/jira/browse/FOR-200>

The locationmap gives us the ability to specify where sources are, both for Forrest and for the users.

 Beware that it will not work for raw files that are not linked, as this "feature" currently uses a fixed dir being being copied by Ant.