Open issues for the next release

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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).
 <a href="http://marc.theaimsgroup.com/?t=108315759100005">http://marc.theaimsgroup.com/?t=1083157591000

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-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)

4. [FOR-591] MaxMemory needs increasing

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

Since the docs restructurng 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)

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-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.

8. [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:
 <a href="http://marc.theaimsgroup.com/?l=forrest-dev&m=112489488330888&w=2">http://marc.theaimsgroup.co

9. [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:

 <a href="http://casa.che-che.com/blog/2005/05/10/internalization-a-site-using-forrest-07-dev/">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?)

10. [FOR-630] Forrest strategy and direction

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

Topics for discussion gathered at ApacheCon EU 2005.

 WARNING: Only reply to the general theme of this <br> topics list. Please create separate threads for <br> each specific topic.

 Actually we should be using Jira for some of this.
 How about discussing on the mailing list, and <br> putting summaries into Jira.

 I have the scraps of paper that Nicola Ken wrote.
 Photographs are in:
 <a href="http://svn.apache.org/repos/asf/forrest/events/apachecon-eu-2005">http://svn.apache.org/repos/asf/forrest
 Ross helped me to interpret some of the sqwiggles, <br> but there are still some obscure parts (marked <br> with #? below). The items are raw, i have not tried <br> to explain any or add others.

 List of topics is in no particular order and <br> it is not complete. We spent maybe 15

minutes <br> brainstorming. We had a first quick pass at <br> assigning some priority.

 I don't understand NKBs priority symbols.
 Anyway some items where marked with
  circle ... [C]
  square ... [S]

 Then we went straight on to the top topic:
 "configuration" and spent the rest of the day.

 ----

 * Create lenya/forrest publication.

 * [C] Naming convention for "views".

 * Roadmap specifically for views.

 * [S] i18n support with locationmap.

 * Locationmap - what is needed to complete it.

 * [C] Configuration |=> apache #? arrow apache #?

 * TraversableSource ...

   * Source resolving for locationmap.

   * [C] How views are interacting with locationmap?

 * [S] Documentation mismatch. Docs are distributed in
   various places: site, plugins, seed.

 * Block documentation for Cocoon (/Forrest).

 * [C] Pre-processing plugins.

 * Flow of the plugin process.
   plugins - locationmap / flow #? this line obscure #?

 * Memory profiling.

 * Better use of Jira.

 * [S] XHTML2 transition.

 * [S] Live Forrest for Apache.
   (a configuration usecase)

 * [S] New skins for views.

 * Views ... body="true|false" head="true|false"

 * The *.ft files in a plugin (one-to-many).

 * Move into Java -> 0.9.5 or when needed. #? no idea what #?

 * [C] View / doctypes.
   (view in view)

 * [C] Content directory.

11. [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 posible location for src plugins as some people may be developing their own plugins outside of Forrest)

12. [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'.

13. [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 reqeuests 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 sufice, 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)

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 (seving 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 traget 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:
  <a href="http://mail-archives.apache.org/eyebrowse/ReadMsg?listId=260&msgNo=282">http://mail-archives.apac 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-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:

 <a href="http://sourceforge.net/sflogo.php?group_id=comics-grabber&type=1">http://sourceforge.net/sflogo.php?g

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

 <a href="http://sourceforge.net/sflogo.php?group_id=comics-grabber&type=1">http://sourceforge.net/sflogo.php?g

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

 <a href="http://sourceforge.net/sflogo.php?group_id=comics-grabber&type=1">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 <br> src/documentation/content/xdocs/docs/dreams.xml
 The ampersand in the link element text is properly handled but <br> the ampersand in the link href attribute is not.

19. [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?

20. [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.

21. [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).

22. [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 funcionality.

 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.

23. [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 Froihofer.

24. [FOR-184] Switch to XHTML2

http://issues.apache.org/jira/browse/FOR-184

Switch to using XHTML2 as a base and intermediate format. This means also using RelaxNG validations, new sitemap pipelines, new stylesheets, new input/output for "views". See the steps in thread: <a href="http://marc.theaimsgroup.com/?t=112512735800002">http://marc.theaimsgroup.com/?t=11251273580000

25. [FOR-187] Redefine project documentation dirs

http://issues.apache.org/jira/browse/FOR-187

We should finalize all discussions about where to put sources and extensions in the projects.