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=10831575910000

2. [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)

3. [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.

4. [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.

5. [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)

6. [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.

7. [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.

8. [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.)

9. [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.

10. [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

11. [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

12. [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.
 <a href="http://marc.theaimsgroup.com/?l=forrest-dev&m=109169132601758">http://marc.theaimsgroup.com/?l=

13. [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.

14. [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.

15. [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?

16. [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).

17. [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.

18. [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.

19. [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.

20. [FOR-157] skin-descriptors comma separated list fails

http://issues.apache.org/jira/browse/FOR-157

The second link does *not* read the url of the skin correctly.

 I repeated today the steps with
a second skin:
 1) create the skin
 2) forrest package-skin
 3) defined it in my descriptor

 4) checked with "forrest available-skins"
 5) forrest

 and it worked
:)

 ... dunno why it have not yesterday.

 Yes I do! I just changed:
forrest.skins.descriptors=<a
href="http://www.apache.org/~thorsten/whiteboard/forrestskins/skins.xml">http://www.apache.org/~thorsten/w
to
 forrest.skins.descriptors=<a
href="http://xml.apache.org/forrest/skins/skins.xml,http://www.apache.org/~thorsten/whiteboard/forrestskins/sk

 Trying to say something wrong with the "comma seperated list,". The second link do
not work. In detail the url of the skin.

 I just double checked as well the <a
href="file:///d:/get/skins.xml">file:///d:/get/skins.xml and it worked. When it stands alone but not
in the comma seperated list.

21. [FOR-143] Encoding of HTML files should be configurable

http://issues.apache.org/jira/browse/FOR-143

From: Fabrice Bacchella

 By default, HTML files are encoded in ISO-8859-1 because
of the way the Cocoon's HTML serialiser is declared in sitemap.xmap :

 <map:serializer
name="html" mime-type="text/html"
src="org.apache.cocoon.serialization.HTMLSerializer">
  <doctype-public>-//W3C//DTD HTML 4.01
Transitional//EN</doctype-public>

 <doctype-system><a
href="http://www.w3.org/TR/html4/loose.dtd</doctype-system">http://www.w3.org/TR/html4/loose.dtd&am
</map:serializer>

 The default one is such a case is ISO-8859-1. And it even add a
META inthe HTML result. But here in French, ISO-8859-15 is better because of the =AB e dans l'o
=BB character : =9C. In Russian or Asia, the <br> situation is even worse.

 Is that possible to
add a properties in forrest.properties saying for example :
 project.encoding=UTF-8

 and
adding a <encoding>@project.encoding@</encoding> element in the
 HTML
serializer ?

 And in a more general way, where can I find a document about the way
properties are used by forrest ? Which files use them ? How to add a
 new one ?

22. [FOR-95] indirect linking and anchors

http://issues.apache.org/jira/browse/FOR-95

I would be nice if Forrest supported anchors with indirect linking. That is, something like this: <link href="site:somepage#someanchor">. (or something similar, like <link href="site:somepage" anchor="someanchor">)

 If somepage pointed to somepage.html, then the resultant link would be somepage.html#someanchor.

 Using the above link currently fails with an "invalid xpath" error since "somepage#someanchor" is not a valid qname.

23. [FOR-15] supporting xhtml/css (as per validator.w3.org) in project directory tree

http://issues.apache.org/jira/browse/FOR-15

In order to use the w3c.org sanity checks on xhtml11 and css2, I need html files to start with:
 <?xml version="1.0" encoding="iso-8859-1"?>
 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN" "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd <html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en">
 <head> ...

 The only place I found a reference to "HTML 4.01 Transitional//EN..." in the myproject directory tree was in build\tmp\context\sitemap.xmap
 which had no effect.
 1) I had to change it in xml-forrest\build\dist\shbat\context\sitemap.xmap which doesn't appear to be the right place to me.
 2) In which file would I have to change "DOCTYPE HTML PUBLIC" to "DOCTYPE html PUBLIC"?
 3) Where would I change "META" to "meta"? XHTML doesn't like caps.
 4) The end tags need to be `" />` instead of `">` where would one change that?
 5) Where would I change the margin attributes of the "body" tag?
 6) Where would I change the attributes of the "td" tag?
 etc., etc.

24. [FOR-608] Document Modify plugins and project config options of Eclipse tool

http://issues.apache.org/jira/browse/FOR-608

Features added in FOR-596 need to be documented

25. [FOR-612] Editing an Open Office document causes it to fail to render in dynamic environments

http://issues.apache.org/jira/browse/FOR-612

When running in a dynamic environment editing an Open Office document will prevent it from rendering on a page refesh. If you stop forrest and run again it renders fine. I suspect this is a problem with the zip generator. An alternative approach to reading the OOo source is provided in the SXWGenerator found in the Resume plugin. This generator should be moved to the OOo plugin and this issue tested.