

# 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>

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**2. [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=&quot;foo&quot;] (sections are no longer created)

**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-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.

**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-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 a resource cannot be found.

## 7. [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.com/?l=forrest-dev&m=112489488330888&w=2>

## 8. [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.com/blog/2005/05/10/internalization-a-site-using-forrest-07-dev/>   
   
 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?]

## 9. [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 topics list. Please create separate threads for each specific topic.   
   
 Actually we should be using Jira for some of this.   
   
 How about discussing on the mailing list, and putting summaries into Jira.   
   
 I have the scraps of paper that Nicola Ken wrote.   
   
 Photographs are in:   
 <http://svn.apache.org/repos/asf/forrest/events/apachecon-eu-2005>   
   
 Ross helped me to interpret some of the squiggles, but there are still some obscure parts (marked with #? below). The items are raw, i have not tried to explain any or add others.   
   
 List of topics is in no particular order and it is not complete. We spent maybe 15 minutes brainstorming. We had a first quick pass at assigning some priority.   
   
 I don't understand NKBs priority symbols.   
   
 Anyway some items were marked with   
   
 &nbsp;circle ... [C]   
 &nbsp;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 |&gt; apache #?   
   
 \* TraversableSource ...   
   
 &nbsp;&nbsp;&nbsp;\* Source resolving for locationmap.   
   
 &nbsp;&nbsp;&nbsp;\* [C] How views are interacting with locationmap?

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

## 11. [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. <br> <br> 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. <br> <br> 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)

<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. <br> <br> 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) <br> <br>

<http://issues.apache.org/jira/browse/FOR-742>

The plugin retrieval and deployment process are not quite correct. Recently the projectInfo plugin had its version number incremented and the 'unversioned' plugin now relates specifically to 0.8-dev version. That prevents 0.7 from accessing the relevant plugin.   
   
 The solution is

discussed here: <http://marc.theaimsgroup.com/?t=113176328300002>

<http://marc.theaimsgroup.com/?t=113176328300002>

## 14. [FOR-748] forrest war: Cannot load 'resource://plugins.xconf ... WEB-INF/cocoon.xconf

<http://issues.apache.org/jira/browse/FOR-748>

Doing 'forrest war' and copy to a full Jetty/webapps/ and start Jetty, then get this error on Jetty startup ... Cannot load 'resource://plugins.xconf' at ... webapp/WEB-INF/cocoon.xconf:31:44

## 15. [FOR-735] Plugins are not correctly deployed in webapp mode

<http://issues.apache.org/jira/browse/FOR-735>

(At this point I didn't try this scenario step by step any more; basically it is what we did to setup the site, except that we copied our project data from forrest 0.6 before trying the pdf links) - run forrest webapp to create an empty webapp - configure Tomcat to run the webapp (we did it by creating a context descriptor and put it under Tomcat's config directory) - the pdf links give an error "Resource Not Found";

## 16. [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 "Serving Apache Forrest site from live Forrest" on dev-list. Will add link later.)

## 17. [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.

## 18. [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 &quot;site:&quot; or &quot;ext:&quot; links, then they are reported as broken, e.g. docs/site:dtd-docs

## 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: `<br> <br> <a href="http://sourceforge.net/sflogo.php?group_id=comics-grabber&type=1">http://sourceforge.net/sflogo.php?g`  
`<br> <br> validate-xdocs fails because it wants the literal &amp; to be typed out as <br> &amp;`  
 instead. So I correct it to become: `<br> <br> <a href="http://sourceforge.net/sflogo.php?group_id=comics-grabber&type=1">http://sourceforge.net/sflogo.php?g`  
`<br> <br> However, the generated HTML has the entity resolution UNDONE!: <br> <br> <a href="http://sourceforge.net/sflogo.php?group_id=comics-grabber&type=1">http://sourceforge.net/sflogo.php?g`  
`<br> <br> This HTML fails validation as 4.01 transitional. <br> <br> David Crossley adds: <br>`  
 There is a demonstration of the problem in the document `<br>`  
`src/documentation/content/xdocs/docs/dreams.xml <br> The ampersand in the link element text is properly handled but <br> the ampersand in the link href attribute is not.`

## 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. `<br> <br> This is checked with both the default skin, and with tigris-style. <br>`

## 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 functionality. `<br> <br> The reason is an internal request called <a href="cocoon://site.lucene">cocoon://site.lucene</a> a work around would be to choose another name for this internal request. <br> <br> But this means that a request called /index-creation.html would have the same problem. <br> <br> <br>`

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

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

[illegible]

## 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="https://www.drupal.org/node/1922212" data-bbox="115 815 400 845">a href="https://www.drupal.org/node/1922212">

href="http://marc.theaimsgroup.com/?t=112512735800002">http://marc.theaimsgroup.com/?t=112512735800002

## 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.