

# Open issues for the next release

## Table of contents

1 [FOR-144] define new format for skinconf.xml.....	2
2 [FOR-588] Design new configuration system.....	2
3 [FOR-591] MaxMemory needs increasing.....	2
4 [FOR-427] Need licensing element in plugins.xml.....	2
5 [FOR-388] Use plugins in-place if src available.....	2
6 [FOR-630] Forrest strategy and direction.....	3
7 [FOR-654] Create Schema for XHTML2 subset.....	3
8 [FOR-572] run a memory profiler while forrest is operating.....	3
9 [FOR-490] serve multiple sites on a single Forrest instance.....	3
10 [FOR-343] Upgrading Plugins.....	4
11 [FOR-277] investigate use of forrest-0.6-dev as webapp with Tomcat 5.....	4
12 [FOR-284] link rewriting broken when linking to xml source views which contain site: links.....	4
13 [FOR-247] Tigris *.css need cleanup to remove our local changes.....	4
14 [FOR-241] character entities (e.g. ampersand) are expanded again for href or src attributes.....	4
15 [FOR-209] First level selected tab is not highlighted when containing 2nd level tabs.....	5
16 [FOR-210] whole-site html and pdf: broken link faq, broken image links.....	5
17 [FOR-211] whole-site html and pdf: broken ext links.....	5
18 [FOR-215] site.lucene name colaps with site.html request.....	5
19 [FOR-203] 2nd level tabs are not selected appropriately.....	5
20 [FOR-187] Redefine project documentation dirs.....	6
21 [FOR-184] Switch to XHTML2.....	6
22 [FOR-157] skin-descriptors comma separated list fails.....	6
23 [FOR-143] Encoding of HTML files should be configurable.....	6
24 [FOR-95] indirect linking and anchors.....	7
25 [FOR-15] supporting xhtml/css (as per validator.w3.org) in project directory tree.....	7

**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-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 possible 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. 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](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

- [C]
- ◻ [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-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-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.

## 9. [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.)

## 10. [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.

## 11. [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

## 12. [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

## 13. [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>

## 14. [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 &; 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.`

## 15. [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/>`

## 16. [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? `<br/> <br/>`

## 17. [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).

## 18. [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/>`

## 19. [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. <br/> <br/> 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. <br/> <br/> 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". <br/> <br/> Kind regards, <br/> &nbsp;&nbsp;&nbsp;Lorenz Frohofer.

## 20. [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.

## 21. [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">https://www.drupal.org/node/1922212</a>

href="http://marc.theaimsgroup.com/?t=112512735800002">http://marc.theaimsgroup.com/?t=1125127358000

## 22. [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<br/> forrest.skins.descriptors=<a
```

href="http://xml.apache.org/forrest/skins/skins.xml,http://www.apache.org/~thorsten/whiteboard/forrestskins/sk  
<br/> Trying to say something wrong with the &quot;comma seperated list,&quot;. The second link do  
\*not\* work. In detail the url of the skin. <br/> <br/> I just double checked as well the <a  
href="file:///d:/get/skins.xml">file:///d:/get/skins.xml</a> and it worked. When it stands alone but not  
in the comma seperated list.<br/>

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

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

From: Fabrice Bacchella <br/> <br/> <br/> By default, HTML files are encoded in ISO-8859-1 because of the way the Cocoon's HTML serialiser is declared in sitemap.xmap :<br/> <br/>  
<map:serializer name="html" mime-type="text/html"><br/>



src=&quot;org.apache.cocoon.serialization.HTMLSerializer&quot;&gt;<br/>  
 &nbsp;&nbsp;&nbsp;&lt;doctype-public&gt;--//W3C//DTD HTML 4.01  
 Transitional//EN&lt;/doctype-public&gt;<br/> <br/> &lt;doctype-system&gt;<a  
 href="http://www.w3.org/TR/html4/loose.dtd&lt;/doctype-system">http://www.w3.org/TR/html4/loose.dtd&an  
 &lt;/map:serializer&gt;<br/> <br/> The default one is such a case is ISO-8859-1. And it even add a  
 META in the 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.<br/> <br/> Is that possible  
 to add a properties in forrest.properties saying for example :<br/> project.encoding=UTF-8<br/> <br/>  
 and adding a &lt;encoding&gt;@project.encoding@&lt;/encoding&gt; element in the<br/> HTML  
 serializer ?<br/> <br/> 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<br/> new one ?

## 24. [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: &lt;link  
 href=&quot;site:sompage#someanchor&quot;&gt;. (or something similar, like &lt;link  
 href=&quot;site:sompage&quot; anchor=&quot;someanchor&quot;&gt;)<br/> <br/> If sompage  
 pointed to sompage.html, then the resultant link would be sompage.html#someanchor.<br/> <br/>  
 Using the above link currently fails with an &quot;invalid xpath&quot; error since  
 &quot;somepage#someanchor&quot; is not a valid qname.

## 25. [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:<br/>  
 &lt;?xml version=&quot;1.0&quot; encoding=&quot;iso-8859-1&quot;?&gt;<br/> &lt;!DOCTYPE  
 html PUBLIC &quot;--//W3C//DTD XHTML 1.1//EN&quot; &quot;<a  
 href="http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd</a>  
 &lt;html xmlns=&quot;<a  
 href="http://www.w3.org/1999/xhtml">http://www.w3.org/1999/xhtml</a>&quot;  
 xml:lang=&quot;en&quot;&gt;<br/> &lt;head&gt; ...<br/> <br/> The only place I found a reference to  
 &quot;HTML 4.01 Transitional//EN...&quot; in the myproject directory tree was in  
 build\tmp\context\sitemap.xmap<br/> which had no effect.<br/> 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.<br/> 2) In which file would I have to change &quot;DOCTYPE HTML PUBLIC&quot; to  
 &quot;DOCTYPE html PUBLIC&quot;? <br/> 3) Where would I change &quot;META&quot; to  
 &quot;meta&quot;? XHTML doesn't like caps.<br/> 4) The end tags need to be `&quot; /&gt;` instead  
 of `&quot;&gt;` where would one change that?<br/> 5) Where would I change the margin attributes of  
 the &quot;body&quot; tag?<br/> 6) Where would I change the attributes of the &quot;td&quot;  
 tag?<br/> etc., etc.