Maven3Plan

Maven 3 Plan

Background
2010-10-07 The Vote to release Maven 3 is in progress on the maven dev list.

Documentation
- Maven Confluence Wiki Maven 3.x
- Maven 3.x and site plugin

Email Threads
- [http://markmail.org/message/4itian33hyctl4iz] - maven dev
- [http://markmail.org/message/32j6w3xtwdbjb2h4] - commons dev

Site Generation

Configuration
See Maven 3.x and site plugin

The main issue with Maven3 are the changes to site generation. The <reporting> section no longer works - maven-site-plugin is now configured in the <plugins> section of <build> with report plugins configured in the maven-site-plugin's configuration.

Merging site configuration items from a parent POM

There’s an issue with inheriting the maven-site-plugin’s configuration from a parent and merging it with a components configuration - See:
- http://jira.codehaus.org/browse/MSITE-484
- http://jira.codehaus.org/browse/MNG-4856
- http://jira.codehaus.org/browse/PLXUTILS-134

At the moment (i.e. 3.0-beta-2 of the maven-site-plugin) the fix is to add combine.children="append" (See FAQs-1) - its not 100% and I don’t currently know whether this is the only/permanent solution or whether the maven team is going to fix this properly. You can see an example of this here

```xml
{

<plugin>
  <artifactId>maven-site-plugin</artifactId>
  <configuration>
    <reportPlugins combine.children="append">
      ...
    </reportPlugins>
  </configuration>
</plugin>
}
```

Plan

- Testing
  - The section below documents the tests that have been carried out
  - For testing the site generation the following branches have been setup:
  - Upgrade components reporting plugins to use the latest versions (doing this first means any problems with plugins can be identified and fixed first - otherwise the cause might be either the plugin or Maven 3)
    - maven-checkstyle-plugin - see r1005273
    - maven-changes-plugin - see r1005274
  - Update commons-parent
    - Add reporting plugins to <dependencyManagement> section
    - Site Plugin configuration - either:
      - remove <reporting> section and configure maven-site-plugin in the main <build> section
      - add a Maven 3 profile (automatically activated when M3 is used) with the site plugin configured - see example here
    - Release commons-parent
    - Release commons-sandbox-parent
• Update component pom's (if commons decides to adopt M3 support)
  ○ Update to use new commons-parent release
  ○ Site Plugin configuration - either:
    ▪ remove <reporting> section and configure maven-site-plugin in the main <build> section
    ▪ add a Maven 3 profile (automatically activated when M3 is used) with the site plugin configured - see example here

Testing

<table>
<thead>
<tr>
<th>Test</th>
<th>Comment</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>mvn -Prc clean package</td>
<td>Run for all proper components - need to test Sandbox components</td>
<td>2010-10-06</td>
</tr>
<tr>
<td>mvn -Prc clean install</td>
<td>Current problem with gpg plugin</td>
<td></td>
</tr>
<tr>
<td>mvn site</td>
<td>Requires config update and plugin upgrades</td>
<td></td>
</tr>
<tr>
<td>mvn -Ptest-deploy site</td>
<td>release plugin</td>
<td></td>
</tr>
<tr>
<td>Nexus Release</td>
<td>mvn commons:download-page</td>
<td>2010-10-06</td>
</tr>
<tr>
<td></td>
<td>mvn commons:mail-page</td>
<td>2010-10-06</td>
</tr>
<tr>
<td></td>
<td>mvn commons:jira-page</td>
<td>2010-10-06</td>
</tr>
<tr>
<td></td>
<td>mvn commons:sandbox-jira-page</td>
<td></td>
</tr>
<tr>
<td></td>
<td>commons-build-plugin build</td>
<td>currently not building</td>
</tr>
<tr>
<td>mvn -Pjava-1.3 test</td>
<td>uses different surefire-plugin version</td>
<td></td>
</tr>
<tr>
<td>mvn -Pjava-1.4 test</td>
<td></td>
<td></td>
</tr>
<tr>
<td>mvn -Pjava-1.5 test</td>
<td></td>
<td></td>
</tr>
<tr>
<td>mvn -Pjava-1.6 test</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commons Site</td>
<td>mvn -Ptrunks-proper clean package</td>
<td></td>
</tr>
<tr>
<td></td>
<td>mvn -Ptrunks-sandbox clean package</td>
<td></td>
</tr>
<tr>
<td></td>
<td>mvn -Pci ???</td>
<td></td>
</tr>
</tbody>
</table>