

[<< Back to previous view](#)**[NARC-3] Create Maven Proof-of-concept build** Created: 11/Jun/10 Updated: 01/Sep/10

<b>Status:</b>	In Progress
<b>Project:</b>	<a href="#">Netarchive</a>
<b>Component/s:</b>	<a href="#">Build managment</a>
<b>Affects Version/s:</b>	None
<b>Fix Version/s:</b>	<a href="#">Improvements</a>

<b>Type:</b>	New Feature	<b>Priority:</b>	Minor
<b>Reporter:</b>	<a href="#">Mikis Seth Sørensen</a>	<b>Assignee:</b>	<a href="#">Mikis Seth Sørensen</a>
<b>Resolution:</b>	Unresolved		
<b>Σ Remaining Estimate:</b>	20h	<b>Remaining Estimate:</b>	0h
<b>Σ Time Spent:</b>	29h	<b>Time Spent:</b>	7h
<b>Σ Original Estimate:</b>	50h	<b>Original Estimate:</b>	Not Specified

<b>Issue Links:</b>	<b>Depends</b> is depended by <a href="#">NARC-28</a> Switch to Maven2 as build tool Open				
<b>Sub-Tasks:</b>	<b>Key</b>	<b>Summary</b>	<b>Type</b>	<b>Status</b>	<b>Assignee</b>
	<a href="#">NARC-20</a>	<a href="#">Create Maven structure and CI builds</a>	Sub-task	Resolved	<a href="#">Mikis Seth Sørensen</a>
	<a href="#">NARC-4</a>	<a href="#">Decouple common classes</a>	Sub-task	In Progress	<a href="#">Søren Vejrup Carlsen</a>
	<a href="#">NARC-19</a>	<a href="#">Compile NetarchiveSuite with Maven</a>	Sub-task	Resolved	<a href="#">Mikis Seth Sørensen</a>
	<a href="#">NARC-21</a>	<a href="#">Test NetarchiveSuite with Maven</a>	Sub-task	In Progress	<a href="#">Mikis Seth Sørensen</a>
	<a href="#">NARC-22</a>	<a href="#">Create NetarchiveSuite distributables...</a>	Sub-task	Open	<a href="#">Mikis Seth Sørensen</a>

**Description**

A number of advantages can be gained by converting the NetarchiveSuite project a Maven2 based setup. These include (see [Benefits of using Maven](#) for an longer list):

- Separation of current proto-modules into distinct subprojects
- Implicit dependency management
- Reference build replacing the Ant and Maven1 builds, and acting as core for Eclipse and IntelliJ projects.
- Better QA reports replacing the current Maven1 functionality
- Standard Maven 2 [jar](#) and [war](#) packaging
- Standard Maven2 source, test jar and javadoc distribution

Let's try to create a Maven build which can reproduce the current Ant based build output. Attempts should also be made to improve:

- Create a real modular design, with distinct Maven subproject for each module.
- Map the current files structure to a standard Maven structure
- Create and review a formal dependency model with distinction between explicitly defined direct dependencies, and automatically handled transitive dependencies.
- Merge all current reporting capabilities into the new Maven build

### Comments

Comment by [Mikis Seth Sørensen](#) [ 16/Jul/10 9:31 AM ]

The initial maven build will be created in a m2-build subfolder, where the current file structure will be mapped to the new structure through symbolic links. The linking is done by the *create-maven-links.sh* script.

Comment by [Mikis Seth Sørensen](#) [ 02/Aug/10 12:50 PM ]

Created a [Hudson compile-only build](#).

This currently fails because of cyclic dependencies between archive and harvester modules. The currently configured dependency (see module poms) is archive depends on harvester.

Generated at Tue Sep 14 15:11:33 CEST 2010 by Mikis Seth Sørensen using JIRA 4.1.1#522.