

MavenBuilder

A simple Builder to interface with Maven

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1. Overview

MavenBuilder: *A simple Builder to interface with Maven*

2. Design

Super Type Builder

Role	Concrete. (Objects can be created.)
Instance Names	Unique
Notification	false
Template Directory	
Data View	Bi-directional, proximity: 1
Logger Name	Builder

3. Constraints

3.1. Allowed Child Dependencies

- BuilderAutoUpdate1
- BuilderBuildFile1
- BuilderBuildstamp1
- BuilderBuildTarget1
- BuilderImportMax1
- BuilderImportMin1
- BuilderJavaHome1
- [BuilderMavenHome](#) 1
- [BuilderMavenOpts](#) 1
- [BuilderNotificationList](#) 1
- BuilderPackageBuildtimePattern1
- BuilderPackageExtension1
- BuilderPackageFilebase1
- BuilderPackageInstallRank1
- BuilderPackageInstallroot1
- BuilderPackageRequireBuildstamp1
- BuilderPackageSeparator1
- BuilderPackageType1

- BuilderPackageVendor1
- BuilderPackageVersion1
- BuilderPath1
- BuilderScmBinding1
- [BuilderScmCheckExternal](#) 1
- BuilderScmConnection1
- BuilderScmLabel1
- BuilderScmModule1
- BuilderScmUser1
- BuilderScmView1
- [BuilderVersionBuild](#) 1
- [BuilderVersionMajor](#) 1
- [BuilderVersionMinor](#) 1
- [BuilderVersionRelease](#) 1
- BuilderVersionTag1
- CruiseControlArtifact1
- CruiseControlInterval1
- CruiseControlMailHost1
- CruiseControlReturnAddress1
- [PlatformZip](#)

1: These types have a *Singleton* constraint. Only one instance may be added as a resource.

3.2. Allowed Parent Dependencies

- [CruiseControl](#)
- Node
- Updater

4. Attributes

4.1. Exported Attributes

Name	Property
basedir	deployment-basedir
targetdir	deployment-install-root

4.2. Defaults for Imported Attributes

Name	Default
------	---------

autoUpdate	false
buildFile	pom.xml
buildPath	/bin:/usr/bin
buildTarget	all
cruiseControlInterval	300
importMax	1
importMin	1
javaHome	\${env.JAVA_HOME}
mavenHome	\${env.MAVEN_HOME}
mavenOpts	
packageExtension	war
packageFilebase	.*?
packageInstallRank	10
packageInstallroot	\${entity.attribute.catalinaBase}/webapps
packageSeparator	-
packageType	war
requireBuildstamp	false
scmBinding	cvs
scmLabel	
scmUser	\${user.name}

5. Commands

Note:

Commandline options displayed in square brackets "[]" are optional. If an option expects arguments, then angle brackets are shown after the option "<>". Any default value is shown within the brackets.

5.1. runBuildScript

runs the build script

Usage

```
runBuildScript [-basedir <>] [-buildstamp <>] [-javahome <>]
[-mavenhome <>] [-mavenopts <>] [-path <>] [-target <>]
```

Options

Option	Description
basedir	<i>directory where build resources reside</i>
buildstamp	<i>build identifier</i>
javahome	<i>Java installation to use for build</i>
mavenhome	<i>Maven installation to use for build</i>
mavenopts	<i>Maven options to use for build</i>
path	<i>System path to use for build</i>
target	<i>build target to evaluate</i>

5.2. installPlugin

Install the ControlTier Maven plugin in the local Maven repository

Usage

```
installPlugin [-javahome <>] [-mavenhome <>] [-path <>]
```

Options

Option	Description
javahome	<i>Java installation to use for build</i>
mavenhome	<i>Maven installation to use for build</i>
path	<i>System path to use for build</i>

5.3. generateProject

Generate a CruiseControl project definition for inclusion in config.xml

Usage

```
generateProject [-artifactname <>] [-artifacttype <>]
[-autoupdate <>] [-basedir <>] [-buildfile <>] [-buildtarget
<>] [-file <>] [-interval <>] [-mailhost <>]
```

```
[-notificationlist <>] [-project <${context.name}>]
[-returnaddress <>]
```

Options

Option	Description
artifactname	<i>CruiseControl artifact name</i>
artifacttype	<i>CruiseControl artifact type</i>
autoupdate	<i>Set to true to automatically update after build</i>
basedir	<i>directory where build resources reside</i>
buildfile	<i>Maven pom file for the build (specified relative to the base directory)</i>
buildtarget	<i>Maven goal(s) for the build</i>
file	<i>The absolute path of the project file to generate for inclusion by CruiseControl</i>
interval	<i>Minimum duration between builds in seconds</i>
mailhost	<i>CruiseControl mail server address</i>
notificationlist	<i>Comma separated list of email addresses to be notified about the build</i>
project	<i>Name of the CruiseControl project to generate</i>
returnaddress	<i>CruiseControl returned mail address</i>

6. Related Types

The following types are defined for use with MavenBuilder.

6.1. BuilderMavenHome

6.1.1. Overview

BuilderMavenHome: *Maven instance that should be used*

6.1.2. Design

Super Type

BuilderSetting

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.1.3. Attributes

6.1.3.1. Exported Attributes

Name	Property
mavenHome	settingValue

6.2. BuilderMavenOpts

6.2.1. Overview

BuilderMavenOpts: *Maven options that should be used*

6.2.2. Design

Super Type

BuilderSetting

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.2.3. Attributes

6.2.3.1. Exported Attributes

Name	Property
mavenOpts	settingValue

6.3. BuilderScmCheckExternal

6.3.1. Overview

BuilderScmCheckExternal: *Subversion specific external definition to check for last changed revision*

6.3.2. Design

Super Type BuilderSetting

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.3.3. Attributes

6.3.3.1. Exported Attributes

Name	Property
scmCheckExternal	settingValue

6.4. BuilderVersionMajor

6.4.1. Overview

BuilderVersionMajor: *Major version number to use to generate a buildstamp*

6.4.2. Design

Super Type BuilderSetting

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.4.3. Attributes

6.4.3.1. Exported Attributes

Name	Property
versionMajor	settingValue

6.5. BuilderVersionMinor

6.5.1. Overview

BuilderVersionMinor: *Minor version number to use to generate a buildstamp*

6.5.2. Design**Super Type**
BuilderSetting

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.5.3. Attributes**6.5.3.1. Exported Attributes**

Name	Property
versionMinor	settingValue

6.6. BuilderVersionRelease**6.6.1. Overview**

BuilderVersionRelease: *Release version number to use to generate a buildstamp*

6.6.2. Design**Super Type**
BuilderSetting

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.6.3. Attributes**6.6.3.1. Exported Attributes**

Name	Property
versionRelease	settingValue

6.7. BuilderVersionBuild**6.7.1. Overview**

BuilderVersionBuild: *Build version number to use to generate a buildstamp (often pulled from Subversion, etc)*

6.7.2. Design

Super Type

BuilderSetting

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.7.3. Attributes

6.7.3.1. Exported Attributes

Name	Property
versionBuild	settingValue

6.8. BuilderNotificationList

6.8.1. Overview

BuilderNotificationList: *Comma separated list of email addresses to be notified about the build*

6.8.2. Design

Super Type

BuilderSetting

Role	Concrete. (Objects can be created.)
Instance Names	Unique

6.8.3. Attributes

6.8.3.1. Exported Attributes

Name	Property
notificationList	settingValue