

# BatBuilder

## A simple Builder to interface with Windows batch script based builds

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## 1. Overview

**BatBuilder:** *A simple Builder to interface with Windows batch script based builds*

## 2. Design

### Super Type Builder

Role	<b>Concrete.</b> (Objects can be created.)
Instance Names	<b>Unique</b>
Notification	<b>false</b>
Template Directory	
Data View	Children, proximity: <b>1</b>
Logger Name	Builder

## 3. Constraints

### 3.1. Allowed Child Dependencies

- BuilderBuildFile1
- BuilderBuildTarget1
- BuilderImportMax1
- BuilderImportMin1
- BuilderNotificationList1
- BuilderPackageExtension1
- BuilderPackageFilebase1
- BuilderPackageInstallroot1
- BuilderPackageRequireBuildstamp1
- BuilderPackageSeparator1
- BuilderPackageType1
- BuilderPackageVersion1
- BuilderPath1
- BuilderScmBinding1
- BuilderScmConnection1
- BuilderScmLabel1
- BuilderScmModule1
- BuilderVersionBuild1

- BuilderVersionMajor1
- BuilderVersionMinor1
- BuilderVersionRelease1
- CruiseControlInterval1
- CruiseControlMailHost1
- CruiseControlReturnAddress1

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
buildFile	build.bat
buildPath	
buildTarget	
cruiseControlInterval	300
importMax	1
importMin	1
packageExtension	war
packageFilebase	.*?
packageSeparator	-

packageType	war
requireBuildstamp	false
scmBinding	cvcs
scmLabel	

## 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. Build

*Run the build cycle.*

#### Usage

Build [-buildstamp <>]

#### 5.1.1. Workflow

- scmCheckout
- [runBuildScript](#)

#### Options

Option	Description
buildstamp	<i>build identifier</i>

### 5.2. runBuildScript

*runs the build script*

#### Usage

runBuildScript [-basedir <>] [-buildfile <>] [-buildstamp <>] [-path <>] [-target <>] [-targetdir <>]

#### Options

Option	Description
basedir	<i>directory where build resources reside</i>
buildfile	<i>build file to execute</i>

buildstamp	<i>build identifier</i>
path	<i>System path to use for build</i>
target	<i>build target to evaluate</i>
targetdir	<i>directory build artifacts will be written</i>

### 5.3. Import

*Import a set of packages.*

#### Usage

```
Import [-buildstamp <>]
```

#### 5.3.1. Workflow

##### 1. repoImport

#### Options

Option	Description
buildstamp	<i>build identifier</i>

### 5.4. generateProject

*Generate a CruiseControl project definition for inclusion in config.xml*

#### Usage

```
generateProject [-basedir <>] -file <> [-interval <>]
[-mailhost <>] [-notificationlist <>] [-project
<${context.name}>] [-returnaddress <>]
```

#### Options

Option	Description
basedir	<i>directory where build resources reside</i>
file	<i>The project absolute path of the 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>