

# AntBuilder

## A simple Builder to interface with Ant

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## 1. Overview

**AntBuilder:** *A simple Builder to interface with Ant*

## 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	AntBuilder

## 3. Constraints

### 3.1. Allowed Child Dependencies

- [AntBuilderAntArgs](#) 1
- [AntBuilderAntOpts](#) 1
- [AntZip](#) 1
- [BuilderAntHome](#) 1
- BuilderBuildFile1
- BuilderBuildstamp1
- BuilderBuildTarget1
- BuilderImportMax1
- BuilderImportMin1
- [BuilderJavaHome](#) 1
- BuilderNotificationList1
- BuilderPackageBuildtimePattern1
- BuilderPackageExtension1
- BuilderPackageFilebase1
- BuilderPackageInstallRank1
- BuilderPackageInstallRank1
- BuilderPackageInstallroot1
- BuilderPackageRequireBuildstamp1

- BuilderPackageSeparator1
- BuilderPackageType1
- BuilderPackageVendor1
- BuilderPackageVersion1
- [BuilderPath](#) 1
- BuilderScmBinding1
- BuilderScmConnection1
- BuilderScmLabel1
- BuilderScmModule1
- BuilderScmUser1
- BuilderScmView1
- BuilderVersionBuild1
- BuilderVersionMajor1
- BuilderVersionMinor1
- BuilderVersionRelease1
- BuilderVersionTag1
- 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
antArgs	

antOpts	
buildAntHome	\${env.ANT_HOME}
buildFile	build.xml
buildPath	/bin:/usr/bin
buildTarget	all
cruiseControlInterval	300
importMax	1
importMin	1
javaHome	\${env.JAVA_HOME}
packageExtension	war
packageFilebase	.*?
packageInstallRank	10
packageSeparator	-
packageType	war
requireBuildstamp	false
scmBinding	cvcs
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 [-antArgs <>] [-anthome <>] [-antOpts <>]
```

```
[-basedir <>] [-buildfile <>] [-buildstamp <>] [-javahome <>] [-path <>] [-target <>] [-targetdir <>]
```

### Options

Option	Description
antArgs	<i>ANT_ARGS setting</i>
anhome	<i>Ant installation to use for build</i>
antOpts	<i>ANT_OPTS setting</i>
basedir	<i>directory where build resources reside</i>
buildfile	<i>build file to execute</i>
buildstamp	<i>build identifier</i>
javahome	<i>Java installation to use for build</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>

## 5.2. generateProject

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

### Usage

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

### Options

Option	Description
anhome	<i>ANT_HOME to use for the build</i>
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>

## 6. Related Types

The following types are defined for use with AntBuilder.

### 6.1. BuilderJavaHome

#### 6.1.1. Overview

**BuilderJavaHome:** *Java instance that ant should use*

#### 6.1.2. Design

##### Super Type

BuilderSetting

Role	<b>Concrete.</b> (Objects can be created.)
Instance Names	<b>Unique</b>

#### 6.1.3. Attributes

##### 6.1.3.1. Exported Attributes

Name	Property
javaHome	settingValue

### 6.2. BuilderAntHome

#### 6.2.1. Overview

**BuilderAntHome:** *Ant instance that should be used*

#### 6.2.2. Design

##### Super Type

BuilderSetting

Role	<b>Concrete.</b> (Objects can be created.)
Instance Names	<b>Unique</b>

### 6.2.3. Attributes

#### 6.2.3.1. Exported Attributes

Name	Property
buildAntHome	settingValue

## 6.3. BuilderPath

### 6.3.1. Overview

**BuilderPath:** *Path that should be used*

### 6.3.2. Design

#### Super Type

BuilderSetting

Role	<b>Concrete.</b> (Objects can be created.)
Instance Names	<b>Unique</b>

### 6.3.3. Attributes

#### 6.3.3.1. Exported Attributes

Name	Property
buildPath	settingValue

## 6.4. AntBuilderAntOpts

### 6.4.1. Overview

**AntBuilderAntOpts:** *Ant Opts like ANT\_OPTS environment variable*

### 6.4.2. Design

#### Super Type

## BuilderSetting

Role	<b>Concrete.</b> (Objects can be created.)
Instance Names	<b>Unique</b>

### 6.4.3. Attributes

#### 6.4.3.1. Exported Attributes

Name	Property
antOpts	settingValue

### 6.5. AntBuilderAntArgs

#### 6.5.1. Overview

**AntBuilderAntArgs:** *build properties file*

#### 6.5.2. Design

**Super Type**  
BuilderSetting

Role	<b>Concrete.</b> (Objects can be created.)
Instance Names	<b>Unique</b>

### 6.5.3. Attributes

#### 6.5.3.1. Exported Attributes

Name	Property
antArgs	settingValue