

# AntBuilder

## A simple Builder to interface with Ant

### Table of contents

1 Overview.....	2
2 Design.....	2
3 Constraints.....	2
3.1 Allowed Child Dependencies.....	2
3.2 Allowed Parent Dependencies.....	3
4 Attributes.....	3
4.1 Exported Attributes.....	3
4.2 Defaults for Imported Attributes.....	3
5 Commands.....	4
5.1 runBuildScript.....	4
6 Related Types.....	4
6.1 BuilderJavaHome.....	4
6.2 BuilderAntHome.....	5
6.3 BuilderPath.....	5

## 1. Overview

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**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	Builder

## 3. Constraints

### 3.1. Allowed Child Dependencies

- [BuilderAntHome](#) 1
- BuilderBuildFile1
- BuilderBuildTarget1
- BuilderImportMax1
- BuilderImportMin1
- [BuilderJavaHome](#) 1
- BuilderPackageExtension1
- BuilderPackageFilebase1
- BuilderPackageInstallroot1
- BuilderPackageType1
- BuilderPackageVersion1
- [BuilderPath](#) 1
- BuilderScmBinding1
- BuilderScmConnection1
- BuilderScmLabel1
- BuilderScmModule1

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

### 3.2. Allowed Parent Dependencies

- 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
buildAntHome	\${env.ANT_HOME}
buildFile	headlines/build.xml
buildPath	/bin:/usr/bin
buildTarget	all
importMax	1
importMin	1
javaHome	\${env.JAVA_HOME}
packageExtension	war
packageFilebase	.*?
packageInstallroot	\${env.CTIER_ROOT}/demo/headlines/tomcat/webapps
packageType	war
scmBinding	cvs
scmConnection	\${env.CTIER_ROOT}/demo/headlines/cvs
scmLabel	

scmModule	headlines
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## 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 [-anthome <>] [-basedir <>] [-buildfile <>]
[-buildstamp <>] [-javahome <>] [-path <>] [-target <>]
[-targetdir <>]
```

#### 5.1.1. Options

Option	Description
anthome	<i>Ant installation to use for build</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>

## 6. Related Types

The following types are defined for use with AntBuilder.

### 6.1. BuilderJavaHome

#### 6.1.1. Overview

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**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

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**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

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**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