

# CruiseControl

## Cruise Control continuous integration facility

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## 1. Overview

**CruiseControl:** *Cruise Control continuous integration facility*

## 2. Design

### Super Type Service

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	

## 3. Constraints

### 3.1. Allowed Child Dependencies

- Builder
- [CruiseControlJavaHome](#) 1
- [CruiseControlJmxPort](#) 1
- [CruiseControlPath](#) 1
- [CruiseControlRmiPort](#) 1
- [CruiseControlThreads](#) 1
- [CruiseControlWebPort](#) 1
- [CruiseControlZip](#) 1

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

### 3.2. Allowed Parent Dependencies

- [CruiseControlService](#)
- Node
- Site

## 4. Attributes

Default port numbers are 1 more than upstream default in order to avoid conflicts with ControlTier.

#### 4.1. Exported Attributes

Name	Property
ccDir	deployment-install-root

#### 4.2. Defaults for Imported Attributes

Name	Default
cruiseControlInterval	300
cruiseControlJavaHome	\${env.JAVA_HOME}
cruiseControlJmxPort	8001
cruiseControlMailHost	localhost
cruiseControlPath	/bin:/usr/bin
cruiseControlRmiPort	1100
cruiseControlThreads	1
cruiseControlWebPort	8081

### 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. Docs-Generate

*generates all defined docs*

Generates main CruiseControl configuration, then calls Builders' Docs-Generate command to generate configuration snippets to be included in config.xml

#### Usage

```
Docs-Generate [-ccdir <${entity.attribute.ccDir}>] [-threads <>]
```

**Options**

Option	Description
ccdir	<i>The Cruise Control package installation directory</i>
threads	<i>Maximum number of threads to be in use simultaneously to build projects</i>

**5.2. assertServiceIsDown***checks if process is down***Usage**

```
assertServiceIsDown [-ccdir <${entity.attribute.ccDir}>]
```

**Options**

Option	Description
ccdir	<i>The Cruise Control package installation directory</i>

**5.3. assertServiceIsUp***checks if process is running***Usage**

```
assertServiceIsUp [-ccdir <${entity.attribute.ccDir}>]
```

**Options**

Option	Description
ccdir	<i>The Cruise Control package installation directory</i>

**5.4. startService***start the service process***Usage**

```
startService [-ccdir <${entity.attribute.ccDir}>] [-javahome  
<>] [-path <>] [-spawn <true>]
```

**Options**

Option	Description
ccdir	<i>The Cruise Control package installation directory</i>
javahome	<i>The Cruise Control JAVA_HOME directory</i>

path	<i>The Cruise Control PATH environment variable</i>
spawn	<i>Whether or not to run in background</i>

## 5.5. stopService

*stops the service process*

### Usage

```
stopService [-ccdir <${entity.attribute.ccDir}>]
```

### Options

Option	Description
ccdir	<i>The Cruise Control package installation directory</i>

## 6. Related Types

The following types are defined for use with CruiseControl.

### 6.1. CruiseControlSetting

#### 6.1.1. Overview

**CruiseControlSetting:** *CruiseControl configuration setting*

#### 6.1.2. Design

##### Super Type Setting

Role	<b>Abstract.</b> (Objects cannot be created.)
Instance Names	<b>Unique</b>

### 6.2. CruiseControlPath

#### 6.2.1. Overview

**CruiseControlPath:** *PATH to use to run Cruise Control*

Default: /bin:/usr/bin

#### 6.2.2. Design

**Super Type**  
[CruiseControlSetting](#)

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

**6.2.3. Constraints**

**6.2.3.1. Allowed Parent Dependencies**

- [CruiseControl](#)

**6.2.4. Attributes**

**6.2.4.1. Exported Attributes**

Name	Property
cruiseControlPath	settingValue

**6.3. CruiseControlJavaHome**

**6.3.1. Overview**

**CruiseControlJavaHome:** *Java installation to use to run Cruise Control*

Defaults to JAVA\_HOME from environment

**6.3.2. Design**

**Super Type**  
[CruiseControlSetting](#)

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

**6.3.3. Constraints**

**6.3.3.1. Allowed Parent Dependencies**

- [CruiseControl](#)

## 6.3.4. Attributes

### 6.3.4.1. Exported Attributes

Name	Property
cruiseControlJavaHome	settingValue

## 6.4. CruiseControlJmxPort

### 6.4.1. Overview

**CruiseControlJmxPort:** *JMX port used by CruiseControl*

Port number for the Java Management Extensions web interface. Default: 8001

### 6.4.2. Design

#### Super Type

[CruiseControlSetting](#)

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

### 6.4.3. Constraints

#### 6.4.3.1. Allowed Parent Dependencies

- [CruiseControl](#)

### 6.4.4. Attributes

#### 6.4.4.1. Exported Attributes

Name	Property
cruiseControlJmxPort	settingValue

## 6.5. CruiseControlWebPort

### 6.5.1. Overview



**CruiseControlWebPort:** *Web port used by CruiseControl*

Port number for the CruiseControl web interface and dashboard. Default: 8081

### 6.5.2. Design

#### Super Type

[CruiseControlSetting](#)

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

### 6.5.3. Constraints

#### 6.5.3.1. Allowed Parent Dependencies

- [CruiseControl](#)

### 6.5.4. Attributes

#### 6.5.4.1. Exported Attributes

Name	Property
cruiseControlWebPort	settingValue

## 6.6. CruiseControlRmiPort

### 6.6.1. Overview

**CruiseControlRmiPort:** *RMI port used by CruiseControl*

Port for the JMX RMI adaptor and Connector Server. Default: 1100

### 6.6.2. Design

#### Super Type

[CruiseControlSetting](#)

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

### 6.6.3. Constraints

**6.6.3.1. Allowed Parent Dependencies**

- [CruiseControl](#)

**6.6.4. Attributes****6.6.4.1. Exported Attributes**

Name	Property
cruiseControlRmiPort	settingValue

**6.7. CruiseControlInterval****6.7.1. Overview**

**CruiseControlInterval:** *Schedule interval (in seconds) to be used for a project*

How often to check for a SCM change. Default: 5 minutes

**6.7.2. Design****Super Type**

[CruiseControlSetting](#)

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

**6.7.3. Constraints****6.7.3.1. Allowed Parent Dependencies**

- Builder

**6.7.4. Attributes****6.7.4.1. Exported Attributes**

Name	Property
cruiseControlInterval	settingValue

## 6.8. CruiseControlThreads

### 6.8.1. Overview

**CruiseControlThreads:** *Maximum number of threads to be in use simultaneously to build projects*

Default: 1

### 6.8.2. Design

#### Super Type

[CruiseControlSetting](#)

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

### 6.8.3. Constraints

#### 6.8.3.1. Allowed Parent Dependencies

- [CruiseControl](#)

### 6.8.4. Attributes

#### 6.8.4.1. Exported Attributes

Name	Property
cruiseControlThreads	settingValue

## 6.9. CruiseControlMailHost

### 6.9.1. Overview

**CruiseControlMailHost:** *CruiseControl mail server address*

SMTP host with which to send mail. Attach to builders to be used for CruiseControl configuration generation. Default: localhost

### 6.9.2. Design

### Super Type

[CruiseControlSetting](#)

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

#### 6.9.3. Constraints

##### 6.9.3.1. Allowed Parent Dependencies

- Builder

#### 6.9.4. Attributes

##### 6.9.4.1. Exported Attributes

Name	Property
cruiseControlMailHost	settingValue

### 6.10. CruiseControlReturnAddress

#### 6.10.1. Overview

**CruiseControlReturnAddress:** *CruiseControl* return email address

Return address of CruiseControl-sent emails. Attach to builders to be used for CruiseControl configuration generation.

#### 6.10.2. Design

### Super Type

[CruiseControlSetting](#)

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

#### 6.10.3. Constraints

##### 6.10.3.1. Allowed Parent Dependencies

- Builder

## 6.10.4. Attributes

### 6.10.4.1. Exported Attributes

Name	Property
cruiseControlReturnAddress	settingValue

## 6.11. CruiseControlArtifact

### 6.11.1. Overview

**CruiseControlArtifact:** *File or directory to be published as a CruiseControl artifact*

Adds an artifactspublisher tag to the CruiseControl configuration. Attach to builders.

### 6.11.2. Design

#### Super Type

[CruiseControlSetting](#)

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

### 6.11.3. Constraints

#### 6.11.3.1. Allowed Parent Dependencies

- Builder

## 6.11.4. Attributes

### 6.11.4.1. Exported Attributes

Name	Property	Description
cruiseControlArtifactName	settingValue	
cruiseControlArtifactType	settingType	Allowed values: file or dir