

Hudson

Hudson continuous integration server

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1. Overview

Hudson: *Hudson continuous integration server*

2. Design

Super Type

[ContinuousIntegration](#)

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

3. Constraints

3.1. Allowed Child Dependencies

- Builder
- [HudsonAjpPort](#) 1
- [HudsonHttpPort](#) 1
- [HudsonHttpsPort](#) 1
- [HudsonJavaHome](#) 1
- [HudsonPlugin](#)
- [HudsonWar](#) 1

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

3.2. Allowed Parent Dependencies

- Node
- Site

4. Attributes

4.1. Exported Attributes

Name	Property
hudsonHome	deployment-basedir

4.2. Defaults for Imported Attributes

Name	Default
hudsonAdminAddress	build@localhost
hudsonAjpPort	1100
hudsonDefaultMailSuffix	
hudsonHttpPort	8081
hudsonHttpsPort	-1
hudsonJavaHome	\${env.JAVA_HOME}
hudsonPollSpec	*/* * * * *
hudsonSmtphost	

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. assertServiceIsDown

checks if process is down

Uses the process list to determine if a hudson out of this instance's HUDSON_HOME is running. Returns true if not.

Usage

```
assertServiceIsDown [-hudsonHome <>] [-javaHome <>]
```

Options

Option	Description
hudsonHome	<i>Hudson working directory</i>
javaHome	<i>Location of Java to use for Hudson winstone container</i>

5.2. assertServiceIsUp

checks if process is running

Uses the process list to determine if a hudson out of this instance's HUDSON_HOME is running. Prints the pid and returns true if yes.

Usage

```
assertServiceIsUp [-hudsonHome <>] [-javaHome <>]
```

Options

Option	Description
hudsonHome	<i>Hudson working directory</i>
javaHome	<i>Location of Java to use for Hudson winstone container</i>

5.3. startService

start the service process

Uses nohup to start the Hudson service.

Usage

```
startService [-hudsonAjpPort <>] [-hudsonHome <>]
[-hudsonHttpPort <>] [-hudsonHttpsPort <>] [-javaHome <>]
```

Options

Option	Description
hudsonAjpPort	<i>Hudson ajp13 port</i>
hudsonHome	<i>Hudson working directory</i>
hudsonHttpPort	<i>Hudson web port</i>
hudsonHttpsPort	<i>Hudson secure web port</i>
javaHome	<i>Location of Java to use for Hudson winstone container</i>

5.4. stopService

stops the service process

Uses the process list to identify the pid of Hudson and kills it. NOTE: No verification of kill is currently done; to be implemented.

Usage

```
stopService [-hudsonHome <>] [-javaHome <>]
```

Options

Option	Description
hudsonHome	<i>Hudson working directory</i>
javaHome	<i>Location of Java to use for Hudson winstone container</i>

5.5. Docs-Generate

Generates Hudson configuration files based on builders

Generates the main Hudson configuration and the configuration for any child builders.

Usage

```
Docs-Generate [-hudsonHome <${entity.attribute.hudsonHome}>]
```

Options

Option	Description
hudsonHome	<i>Hudson working directory</i>

6. Related Types

The following types are defined for use with Hudson.

6.1. HudsonSetting

6.1.1. Overview

HudsonSetting: *Hudson configuration setting*

6.1.2. Design

Super Type Setting

Role	Abstract. (Objects cannot be created.)
Instance Names	Unique

6.2. HudsonJavaHome

6.2.1. Overview

HudsonJavaHome: *Java installation used to run Hudson*

The JAVA_HOME to use to run Hudson. Default is `${env.JAVA_HOME}`

6.2.2. Design

Super Type

[HudsonSetting](#)

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

6.2.3. Attributes

6.2.3.1. Exported Attributes

Name	Property
hudsonJavaHome	settingValue

6.3. HudsonHttpPort

6.3.1. Overview

HudsonHttpPort: *Hudson web port*

The port to use for the Hudson web interface. Default is `>8081`. To disable, use `-1`.

6.3.2. Design

Super Type

[HudsonSetting](#)

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

6.3.3. Attributes

6.3.3.1. Exported Attributes

Name	Property
hudsonHttpPort	settingValue

6.4. HudsonHttpsPort

6.4.1. Overview

HudsonHttpsPort: *Hudson secure web port*

The port to use for the Hudson secure web interface. Default is *-1*, which indicates disabled. To enable, set a port number such as 8444.

6.4.2. Design

Super Type
[HudsonSetting](#)

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

6.4.3. Attributes

6.4.3.1. Exported Attributes

Name	Property
hudsonHttpsPort	settingValue

6.5. HudsonAjpPort

6.5.1. Overview

HudsonAjpPort: *Hudson ajp13 port*

The port to use for an AJP13 connection. Default is *1100*. To disable, use *-1*.

6.5.2. Design

Super Type
[HudsonSetting](#)

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

6.5.3. Attributes

6.5.3.1. Exported Attributes

Name	Property
hudsonAjpPort	settingValue

6.6. HudsonPollSpec

6.6.1. Overview

HudsonPollSpec: *Hudson SCM polling schedule specification (cron-style)*

How often to poll the source repository for changes, in cron format. Defaults to 5 minutes.

6.6.2. Design

Super Type

[HudsonSetting](#)

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

6.6.3. Attributes

6.6.3.1. Exported Attributes

Name	Property
hudsonPollSpec	settingValue

6.7. HudsonDefaultMailSuffix

6.7.1. Overview

HudsonDefaultMailSuffix: *Default mail suffix*

What to append to unqualified addresses; e.g. a suffix of '@company.com' would make 'mlei'

-> 'mlei@company.com'. Does not change qualified addresses such as myname@domain.com. Defaults to blank.

6.7.2. Design

Super Type

[HudsonSetting](#)

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

6.7.3. Attributes

6.7.3.1. Exported Attributes

Name	Property
hudsonDefaultMailSuffix	settingValue

6.8. HudsonAdminAddress

6.8.1. Overview

HudsonAdminAddress: *Email address of Hudson administrator*

Defaults to *build@localhost*

6.8.2. Design

Super Type

[HudsonSetting](#)

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

6.8.3. Attributes

6.8.3.1. Exported Attributes

Name	Property
hudsonAdminAddress	settingValue

6.9. HudsonSmtphost

6.9.1. Overview

HudsonSmtphost: *Hostname of SMTP server to use for notification emails*

Defaults to blank. Hudson uses localhost if this value is not specified.

6.9.2. Design

Super Type

[HudsonSetting](#)

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

6.9.3. Attributes

6.9.3.1. Exported Attributes

Name	Property
hudsonSmtphost	settingValue