

Mule

Mule Enterprise Service Bus

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1. Overview

Mule: *Mule Enterprise Service Bus*

2. Design

Super Type Service

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

3. Constraints

3.1. Allowed Child Dependencies

- [MuleConfigFile](#) 1
- [MuleJavaHome](#) 1
- [MulePath](#) 1
- [MuleUserJar](#) 1
- [MuleZip](#) 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
------	----------

muleBase	deployment-basedir
muleHome	deployment-install-root

4.2. Defaults for Imported Attributes

Name	Default
muleConfigFile	mule-config.xml
muleJavaHome	/usr/java
mulePath	/bin:/usr/bin

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. assertServiceIsUp

checks if process is running

Usage

```
assertServiceIsUp [-javahome <>] [-mulebase
<${entity.attribute.muleBase}>] [-mulehome
<${entity.attribute.muleHome}/${entity.attribute.mulePackageBase}>]
[-path <>]
```

Options

Option	Description
javahome	<i>The Mule JAVA_HOME directory</i>
mulebase	<i>The Mule runtime directory</i>
mulehome	<i>The Mule package installation directory</i>
path	<i>The Mule PATH environment variable</i>

5.2. startService

start the service process

Usage

```
startService [-configfile
<${entity.attribute.muleConfigFile}>] [-console] [-javahome
<>] [-mulebase <${entity.attribute.muleBase}>] [-mulehome
<${entity.attribute.muleHome}/${entity.attribute.mulePackageBase}>]
[-path <>]
```

Options

Option	Description
configfile	<i>The location of the configuration file</i>
console	<i>Start Mule in console mode</i>
javahome	<i>The Mule JAVA_HOME directory</i>
mulebase	<i>The Mule runtime directory</i>
mulehome	<i>The Mule package installation directory</i>
path	<i>The Mule PATH environment variable</i>

5.3. stopService

stops the service process

Usage

```
stopService [-javahome <>] [-mulebase
<${entity.attribute.muleBase}>] [-mulehome
<${entity.attribute.muleHome}/${entity.attribute.mulePackageBase}>]
[-path <>]
```

Options

Option	Description
javahome	<i>The Mule JAVA_HOME directory</i>
mulebase	<i>The Mule runtime directory</i>
mulehome	<i>The Mule package installation directory</i>
path	<i>The Mule PATH environment variable</i>

6. Related Types

The following types are defined for use with Mule.

6.1. MuleSetting

6.1.1. Overview

MuleSetting: *Mule configuration setting*

6.1.2. Design

Super Type Setting

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

6.2. MulePath

6.2.1. Overview

MulePath: *PATH to use to run Mule*

6.2.2. Design

Super Type [MuleSetting](#)

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

6.2.3. Constraints

6.2.3.1. Allowed Parent Dependencies

- [Mule](#)

6.2.4. Attributes

6.2.4.1. Exported Attributes

Name	Property
mulePath	settingValue

6.3. MuleJavaHome

6.3.1. Overview

MuleJavaHome: *Java installation to use to run Mule*

6.3.2. Design

Super Type

[MuleSetting](#)

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

6.3.3. Constraints

6.3.3.1. Allowed Parent Dependencies

- [Mule](#)

6.3.4. Attributes

6.3.4.1. Exported Attributes

Name	Property
muleJavaHome	settingValue

6.4. MuleConfigFile

6.4.1. Overview

MuleConfigFile: *The name of the Mule configuration file (to be found in the CLASSPATH, or on the file system)*

6.4.2. Design

Super Type

[MuleSetting](#)

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

6.4.3. Constraints

6.4.3.1. Allowed Parent Dependencies

- [Mule](#)

6.4.4. Attributes

6.4.4.1. Exported Attributes

Name	Property
muleConfigFile	settingValue