

ActiveMQ

An ActiveMQ deployment

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1. Overview

ActiveMQ: *An ActiveMQ deployment*

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 | ActiveMQ |

3. Constraints

3.1. Allowed Child Dependencies

- [ActiveMOSetting](#)
- JavaHomePath1
- [PlatformZip](#)

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

4. Attributes

4.1. Exported Attributes

| Name | Property |
|--------------|-------------------------|
| activemqBase | deployment-basedir |
| activemqHome | deployment-install-root |

4.2. Defaults for Imported Attributes

| Name | Default |
|------|---------|
|------|---------|

| | |
|---------------|--------------------------------|
| javaHome | <code>\${env.JAVA_HOME}</code> |
| jmxPort | 1099 |
| openwirePort | 61616 |
| rmiServerPort | 2099 |
| sslPort | 61617 |
| stompPort | 61613 |
| timeout | 10 |

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. Update

run the update cycle

Usage

Update

5.1.1. Workflow

1. Stop
2. Configure
3. Start

5.2. Docs-Generate

generates all defined docs

Usage

Docs-Generate [-activemqbase <>] [-archivedir
<\${entity.instance.dir}/var>]

5.2.1. Options

| Option | Description |
|--------------|------------------------------|
| activemqbase | <i>activemq instance dir</i> |

| | |
|------------|---|
| archivedir | <i>dir to store current output docs</i> |
|------------|---|

5.3. Prepare

builds the deployment objects

Usage

```
Prepare [-packagetype <PlatformZip>]
```

5.3.1. Workflow

1. Packages-Install
2. Configure

5.3.2. Options

| Option | Description |
|-------------|-------------------------------------|
| packagetype | <i>Platform packages to install</i> |

5.4. assertServiceIsDown

checks if the service is down

Usage

```
assertServiceIsDown [-openwireport <>]
```

5.4.1. Options

| Option | Description |
|--------------|-----------------------|
| openwireport | <i>listening port</i> |

5.5. assertServiceIsUp

checks if the service is running

Usage

```
assertServiceIsUp [-openwireport <>]
```

5.5.1. Options

| Option | Description |
|--------------|-----------------------|
| openwireport | <i>listening port</i> |

5.6. startService

starts the service

Usage

```
startService [-activemqbase <>] [-activemqhome <>]
[-javahome <>]
```

5.6.1. Options

| Option | Description |
|--------------|------------------------|
| activemqbase | <i>activemq base</i> |
| activemqhome | <i>activemq home</i> |
| javahome | <i>jre install dir</i> |

5.7. stopService

stops the service

Usage

```
stopService [-activemqbase <>] [-activemqhome <>] [-javahome
<>]
```

5.7.1. Options

| Option | Description |
|--------------|------------------------|
| activemqbase | <i>activemq base</i> |
| activemqhome | <i>activemq home</i> |
| javahome | <i>jre install dir</i> |

6. Related Types

The following types are defined for use with ActiveMQ.

6.1. ActiveMQSetting

6.1.1. Overview

ActiveMQSetting: *ActiveMQ configuration setting*

6.1.2. Design**Super Type
Setting**

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

6.2. ActiveMQJMXPort**6.2.1. Overview**

ActiveMQJMXPort: *ActiveMQ JMX port*

6.2.2. Design**Super Type
[ActiveMQSetting](#)**

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

6.2.3. Constraints**6.2.3.1. Allowed Parent Dependencies**

- [ActiveMQ](#)

6.2.4. Attributes**6.2.4.1. Exported Attributes**

| Name | Property |
|---------|--------------|
| jmxPort | settingValue |

6.3. ActiveMQOpenwirePort**6.3.1. Overview**

ActiveMQOpenwirePort: *ActiveMQ Openwire port*

6.3.2. Design

Super Type

[ActiveMQSetting](#)

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

6.3.3. Constraints

6.3.3.1. Allowed Parent Dependencies

- [ActiveMQ](#)

6.3.4. Attributes

6.3.4.1. Exported Attributes

| Name | Property |
|--------------|--------------|
| openwirePort | settingValue |

6.4. ActiveMQSSLPort

6.4.1. Overview

ActiveMQSSLPort: *ActiveMQ SSL port*

6.4.2. Design

Super Type

[ActiveMQSetting](#)

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

6.4.3. Constraints

6.4.3.1. Allowed Parent Dependencies

- [ActiveMQ](#)

6.4.4. Attributes

6.4.4.1. Exported Attributes

| Name | Property |
|---------|--------------|
| sslPort | settingValue |

6.5. ActiveMQStompPort

6.5.1. Overview

ActiveMQStompPort: *ActiveMQ Stomp port*

6.5.2. Design

Super Type

[ActiveMQSetting](#)

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

6.5.3. Constraints

6.5.3.1. Allowed Parent Dependencies

- [ActiveMQ](#)

6.5.4. Attributes

6.5.4.1. Exported Attributes

| Name | Property |
|-----------|--------------|
| stompPort | settingValue |

6.6. ActiveMQRmiServerPort

6.6.1. Overview

ActiveMQRmiServerPort: *ActiveMQ RMI Server port*

6.6.2. Design

Super Type

[ActiveMQSetting](#)

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

6.6.3. Constraints

6.6.3.1. Allowed Parent Dependencies

- [ActiveMQ](#)

6.6.4. Attributes

6.6.4.1. Exported Attributes

| Name | Property |
|---------------|--------------|
| rmiServerPort | settingValue |

6.7. ActiveMQTimeout

6.7.1. Overview

ActiveMQTimeout: *Shutdown timeout period in seconds*

6.7.2. Design

Super Type

[ActiveMQSetting](#)

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

6.7.3. Constraints

6.7.3.1. Allowed Parent Dependencies

- [ActiveMQ](#)

6.7.4. Attributes

6.7.4.1. Exported Attributes

| Name | Property |
|---------|--------------|
| timeout | settingValue |