

RdbStrategy

Abstract RDB strategy

Table of contents

1 Overview.....	2
2 Design.....	2
3 Constraints.....	2
3.1 Allowed Child Dependencies.....	2
3.2 Allowed Parent Dependencies.....	2
4 Attributes.....	2
5 Commands.....	2
5.1 assertSchemaIsDown.....	3
5.2 assertSchemaIsUp.....	3
5.3 assertServiceIsDown.....	4
5.4 assertServiceIsUp.....	4
5.5 runSqlScript.....	5
5.6 Export.....	5
5.7 runImport.....	6
6 Related Types.....	7
6.1 RdbStrategySetting.....	7
6.2 RdbStrategyModule.....	7

1. Overview

RdbStrategy: *Abstract RDB strategy*

This is a abstract implementation defining various basic rdb management operations.

2. Design

Super Type
Deployment

Role	Abstract. (Objects cannot be created.)
Instance Names	Unique
Notification	false
Template Directory	
Data View	Children, proximity: 1
Logger Name	

3. Constraints

3.1. Allowed Child Dependencies

- [RdbStrategySetting](#)

3.2. Allowed Parent Dependencies

- [Rdb](#)
- [RdbSchema](#)

4. Attributes

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. assertSchemaIsDown

Confirm schema is unavailable in the database instance.

Usage

```
assertSchemaIsDown [-config <>] -installroot <> [-instance <>] [-password <>] -schema <> [-strategy <>] [-username <>]
```

5.1.1. Options

Option	Description
config	Database configuration file
installroot	path to database install
instance	Database server instance name
password	Schema user's password
schema	Database schema name
strategy	Database strategy name
username	Schema user name

5.2. assertSchemaIsUp

Confirm schema is available in the database instance.

Usage

```
assertSchemaIsUp [-config <>] -installroot <> [-instance <>] [-password <>] -schema <> [-strategy <>] [-username <>]
```

5.2.1. Options

Option	Description
config	Database configuration file
installroot	path to database install
instance	Database server instance name
password	Schema user's password
schema	Database schema name
strategy	Database strategy name

username	Schema user name
----------	------------------

5.3. assertServiceIsDown

Confirm the rdb service is down.

Usage

```
assertServiceIsDown [-config <>] -installroot <> [-instance
<>] [-password <>] [-strategy <>] [-username <>]
```

5.3.1. Options

Option	Description
config	Database configuration file
installroot	path to database install
instance	Database server instance name
password	Schema user's password
strategy	Database strategy name
username	Schema user name

5.4. assertServiceIsUp

Confirm that rdb service is up.

Usage

```
assertServiceIsUp [-config <>] -installroot <> [-instance
<>] [-password <>] [-strategy <>] [-username <>]
```

5.4.1. Options

Option	Description
config	Database configuration file
installroot	path to database install
instance	Database server instance name
password	Schema user's password
strategy	Database strategy name
username	Schema user name

5.5. runSqlScript

Run the sql script.

Usage

```
runSqlScript [-buildstamp <>] [-config <>] [-failonwarnings <>]
  -installroot <> [-instance <>] [-password <>] -schema <>
  [-sqlscript <>] [-strategy <>] [-username <>]
```

5.5.1. Options

Option	Description
buildstamp	<i>build stamp</i>
config	<i>Database configuration file</i>
failonwarnings	<i>if arg true, fail if there are import warnings</i>
installroot	<i>path to database install</i>
instance	<i>Database server instance name</i>
password	<i>Schema user's password</i>
schema	<i>Database schema name</i>
sqlscript	<i>sql script to run</i>
strategy	<i>Database strategy name</i>
username	<i>Schema user name</i>

5.6. Export

Export the schema to a file.

Usage

```
Export [-buildstamp <>] [-config <>] -exportfile <>
  -installroot <> [-instance <>] [-password <>] -schema <>
  [-strategy <>] [-username <>]
```

5.6.1. Options

Option	Description
buildstamp	<i>build stamp</i>

config	<i>Database configuration file</i>
exportfile	<i>Output file</i>
installroot	<i>path to database install</i>
instance	<i>Rdb server instance name</i>
password	<i>Schema user's password</i>
schema	<i>Rdb schema name</i>
strategy	<i>Database strategy name</i>
username	<i>Schema user name</i>

5.7. runImport

Load the exportfile into the schema.

Usage

```
runImport [-buildstamp <>] [-config <>] [-export_user <>]
-exportfile <> [-failonwarnings <>] -installroot <>
[-instance <>] [-params <>] [-password <>] -schema <>
[-strategy <>] [-username <>]
```

5.7.1. Options

Option	Description
buildstamp	<i>build stamp</i>
config	<i>Database configuration file</i>
export_user	<i>from user</i>
exportfile	<i>dump file to import</i>
failonwarnings	<i>if arg true, fail if there are import warnings</i>
installroot	<i>path to database install</i>
instance	<i>Database server instance name</i>
params	<i>import parameters</i>
password	<i>Schema user's password</i>
schema	<i>Database schema name</i>

strategy	Database strategy name
username	Schema user name

6. Related Types

The following types are defined for use with RdbStrategy.

6.1. RdbStrategySetting

6.1.1. Overview

RdbStrategySetting: *an RdbStrategySetting setting*

6.1.2. Design

Super Type
Setting

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

6.1.3. Constraints

6.1.3.1. Allowed Parent Dependencies

- [RdbStrategySetting](#)

6.2. RdbStrategyModule

6.2.1. Overview

RdbStrategyModule: *Specifies the unique key value identifying which type database type is in use (e.g. "RdbMysqlStrategy" or "RdbOracleStrategy", etc)*

6.2.2. Design

Super Type
[RdbStrategySetting](#)

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

6.2.3. Constraints

6.2.3.1. Allowed Parent Dependencies

- [Rdb](#)
- [RdbSchema](#)

6.2.3.2. Allowed Property Values

Property	Allowed Values	Default	Enforced	Description
settingValue	• MssqlRdbStr • RdbMysqlStr • RdbOracleSt • RdbStrategy	• RdbMysqlStr • RdbStrategy	false	Rdb specific strategy implementation

6.2.4. Attributes

6.2.4.1. Exported Attributes

Name	Property
rdbStrategy	settingValue