

RdbSchema

Represents a database schema

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1. Overview

RdbSchema: *Represents a database schema*

2. Design

Super Type Deployment

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

- RdbConfigFile1
- [RdbDataPackage](#) 1
- RdbExportDir1
- RdbInstallRoot1
- [RdbSchemaExportParams](#) 1
- [RdbSchemaName](#) 1
- [RdbSchemaPassword](#) 1
- [RdbSchemaPostImportSqlScript](#) 1
- [RdbSchemaPreImportSqlScript](#) 1
- [RdbSchemaUserName](#) 1
- [RdbSqlPackage](#) 1
- RdbStrategyModule1

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

3.2. Allowed Parent Dependencies

- Node
- [Rdb](#)

- [RdbDataBuilder](#)

4. Attributes

4.1. Defaults for Imported Attributes

Name	Default
rdbInstallRoot	/path/to/rdb/installroot

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 the schema is unavailable in the database instance.

Usage

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

5.1.1. Options

Option	Description
config	<i>Database configuration file</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>
strategy	<i>Database strategy name</i>
username	<i>Schema user name</i>

5.2. assertSchemaIsUp

Confirm the 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. runSqlScript

Run the sql script.

Usage

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

5.3.1. Options

Option	Description
buildstamp	build stamp
config	Database configuration file
failonwarnings	if arg true, fail if there are import warnings
installroot	path to database install
instance	Database server instance name
password	Schema user's password

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>

5.4. Export

Export the schema to a file.

Usage

```
Export -buildstamp <> [-config <>] [-exportfile
<${entity.attribute.rdbExportDir}/${context.name}-${opts.buildstamp}.d
-installroot <> [-instance <>] [-password <>] [-schema <>]
[-strategy <>] [-targetdir <>] [-username <>]
```

5.4.1. Options

Option	Description
buildstamp	<i>build stamp</i>
config	<i>Database configuration file</i>
exportfile	<i>Schema export file</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>
strategy	<i>Database strategy name</i>
targetdir	<i>target directory</i>
username	<i>Schema user name</i>

5.5. runImport

Process the supplied exportfile and import it to the schema.

Usage

```
runImport -buildstamp <> [-config <>] [-export_user <>]
```

```

[-exportfile
<${entity.attribute.rdbDataPackageInstallroot}/${entity.attribute.rdbD
[-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>
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>
password	<i>Schema user's password</i>
schema	<i>Database schema name</i>
sqlscript	<i>sql script to run before import</i>
strategy	<i>Database strategy name</i>
username	<i>Schema user name</i>

5.6. Deploy

Run the process to load a schema export file, executing the pre- and post-import Sql scripts.

Downloads the schema exportfile, runs a pre-import SQL script, loads the data from the exportfile, and then executes a post-import SQL script

Usage

Deploy -buildstamp <>

5.6.1. Workflow

1. Packages-Install
2. [runPreImportSql](#)

3. [runImport](#)
4. [runPostImportSql](#)

5.6.2. Options

Option	Description
buildstamp	<i>Unique build identifier</i>

5.7. runPreImportSql

Run sql script prior to import.

Usage

```
runPreImportSql -buildstamp <> [-command <runSqlScript>]
[-sqlscript <>]
```

5.7.1. Workflow

1. [runSqlScript](#)

5.7.2. Options

Option	Description
buildstamp	<i>Unique build identifier</i>
command	<i>Command to execute</i>
sqlscript	<i>Sql script to run</i>

5.8. runPostImportSql

Run sql script post import.

Usage

```
runPostImportSql -buildstamp <> [-command <runSqlScript>]
[-sqlscript <>]
```

5.8.1. Workflow

1. [runSqlScript](#)

5.8.2. Options

Option	Description
buildstamp	<i>Unique build identifier</i>

command	<i>Command to execute</i>
sqlscript	<i>Sql script to run</i>

6. Related Types

The following types are defined for use with RdbSchema.

6.1. RdbStrategy

6.1.1. Overview

RdbStrategy: *A schema name*

6.1.2. Design

Super Type

[RdbSchemaSetting](#)

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

6.1.3. Attributes

6.1.3.1. Exported Attributes

Name	Property
rdbStrategy	settingValue

6.2. RdbSchemaName

6.2.1. Overview

RdbSchemaName: *A schema name*

6.2.2. Design

Super Type

[RdbSchemaSetting](#)

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

6.2.3. Attributes

6.2.3.1. Exported Attributes

Name	Property
rdbSchemaName	settingValue

6.3. RdbSchemaUserName

6.3.1. Overview

RdbSchemaUserName: *A user for a schema*

6.3.2. Design

Super Type

[RdbSchemaSetting](#)

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

6.3.3. Attributes

6.3.3.1. Exported Attributes

Name	Property
rdbSchemaUserName	settingValue
schemaFromUser	settingType

6.4. RdbSchemaPassword

6.4.1. Overview

RdbSchemaPassword: *A schema user's password*

6.4.2. Design

Super Type

[RdbSchemaSetting](#)

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

6.4.3. Constraints

6.4.4. Attributes

6.4.4.1. Exported Attributes

Name	Property
rdbSchema	settingType
rdbSchemaPassword	settingValue

6.5. RdbSchemaPreImportSqlScript

6.5.1. Overview

RdbSchemaPreImportSqlScript: *Sql script to run before runImport*

6.5.2. Design

Super Type

[RdbSchemaSetting](#)

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

6.5.3. Constraints

6.5.4. Attributes

6.5.4.1. Exported Attributes

Name	Property
rdbSchemaPreImportSqlScript	settingValue

6.6. RdbSchemaPostImportSqlScript

6.6.1. Overview

RdbSchemaPostImportSqlScript: *Sql script to run post runImport*

6.6.2. Design

Super Type

[RdbSchemaSetting](#)

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

6.6.3. Constraints

6.6.4. Attributes

6.6.4.1. Exported Attributes

Name	Property
rdbSchemaPostImportSqlScript	settingValue

6.7. RdbSchemaExportParams

6.7.1. Overview

RdbSchemaExportParams: *Sql import parameters*

6.7.2. Design

Super Type

[RdbSchemaSetting](#)

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

6.7.3. Constraints

6.7.4. Attributes

6.7.4.1. Exported Attributes

Name	Property
rdbSchemaImportParams	settingValue

6.8. RdbSchemaSetting

6.8.1. Overview

RdbSchemaSetting: *an RdbSchema setting*

6.8.2. Design

Super Type Setting

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

6.8.3. Constraints

6.8.3.1. Allowed Parent Dependencies

- [RdbSchema](#)