

RdbSchema

Represents a database schema

Table of contents

1 Overview.....	3
2 Design.....	3
3 Constraints.....	3
3.1 Allowed Child Dependencies.....	3
3.2 Allowed Parent Dependencies.....	3
4 Attributes.....	4
4.1 Defaults for Imported Attributes.....	4
5 Commands.....	4
5.1 export.....	4
5.2 import.....	5
5.3 ImportDmp.....	5
5.4 Status.....	6
5.5 ExportDmp.....	6
5.6 registerDmp.....	6
5.7 upSchema.....	7
6 Related Types.....	7
6.1 RdbSchemaType.....	7
6.2 RdbSchemaParam.....	8
6.3 RdbSchemaName.....	8
6.4 RdbDataSourceName.....	9
6.5 RdbSchemaUserName.....	9
6.6 RdbSchemaPassword.....	10
6.7 RdbMinPoolSize.....	10

6.8 RdbMaxPoolSize.....	11
6.9 RdbMaxWait.....	12
6.10 RdbSchemaSetting.....	12

1. Overview

RdbSchema: *Represents a database schema*

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

- [RdbDataSourceName](#) 1
- RdbInstallRoot1
- [RdbMaxPoolSize](#) 1
- [RdbMaxWait](#) 1
- [RdbMinPoolSize](#) 1
- [RdbSchemaName](#) 1
- [RdbSchemaParam](#)
- [RdbSchemaPassword](#) 1
- [RdbSchemaType](#) 1
- [RdbSchemaUserName](#) 1

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

3.2. Allowed Parent Dependencies

- Node
- [Rdb](#)

4. Attributes

4.1. Defaults for Imported Attributes

Name	Default
rdbDataSourceName	DefaultDS
rdbMaxPoolSize	20
rdbMaxWait	5000
rdbMinPoolSize	5
rdbSchemaPassword	
rdbSchemaUserName	sa

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. export

Exports the schema

Usage

```
export -buildstamp <> [-instance
<${Rdb.entity.attribute.rdbInstance}>] [-password
<${entity.attribute.rdbSchemaPassword}>] [-rdb_home <>]
[-schema <${entity.attribute.rdbSchemaName}>] [-username
<${entity.attribute.rdbSchemaUserName}>]
```

Options

Option	Description
buildstamp	<i>build stamp</i>
instance	<i>Database server instance name</i>
password	<i>Schema user's password</i>
rdb_home	<i>path to database install</i>

schema	Database schema name
username	Schema user name

5.2. import

Imports the schema

Usage

```
import [-dmp_file
<${entity.attribute.rdbSchemaType}-${opts.buildstamp}.dmp>]
[-failonwarnings <>] [-from_user <>] [-instance
<${Rdb.entity.attribute.rdbInstanceName}>] [-password
<${entity.attribute.rdbSchemaPassword}>] [-rdb_home <>]
[-schema <${entity.attribute.rdbSchemaName}>] [-username
<${entity.attribute.rdbSchemaUserName}>]
```

Options

Option	Description
dmp_file	dump file to import
failonwarnings	if arg true, fail if there are import warnings
from_user	from user
instance	Database server instance name
password	Schema user's password
rdb_home	path to database install
schema	Database schema name
username	Schema user name

5.3. ImportDmp

Imports the dmp file

Usage

ImportDmp

5.3.1. Workflow

1. [import](#)

5.4. Status

Gets the status of the service

Usage
Status

5.4.1. Workflow

1. [upSchema](#)

5.5. ExportDmp

exports and uploads a dump

Usage
ExportDmp -buildstamp <>

5.5.1. Workflow

1. [export](#)
2. [registerDmp](#)

5.5.2. Error Handler

Notify	Email <code>\${framework.admin.email}</code> Subject File
--------	---

Options

Option	Description
buildstamp	<i>buildstamp</i>

5.6. registerDmp

registers the dump file as an object

Usage
 registerDmp [-buildstamp <>] [-dmp_file <>] [-packagetype
 <RdbData>] [-release <>] [-tstampformat <yyyymmddhhmm>]
 [-version <>]

Options

Option	Description
--------	-------------

buildstamp	<i>package build timestamp</i>
dmp_file	<i>dumpfile</i>
packagetype	<i>type name</i>
release	<i>version release</i>
tstampformat	<i>build timestamp format</i>
version	<i>package version</i>

5.7. upSchema

Checks schema is available in the designated instance

Usage

```
upSchema [-instance <${Rdb.entity.attribute.rdbInstance}>]
[-password <${entity.attribute.rdbSchemaPassword}>] [-schema
<${entity.attribute.rdbSchemaName}>] [-username
<${entity.attribute.rdbSchemaUserName}>]
```

Options

Option	Description
instance	<i>Database server instance name</i>
password	<i>Schema user's password</i>
schema	<i>Database schema name</i>
username	<i>Schema user name</i>

6. Related Types

The following types are defined for use with RdbSchema.

6.1. RdbSchemaType

6.1.1. Overview

RdbSchemaType: *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
rdbSchemaType	settingValue

6.2. RdbSchemaParam**6.2.1. Overview**

RdbSchemaParam: *A schema parameter*

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

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

6.3. RdbSchemaName**6.3.1. Overview**

RdbSchemaName: *A schema name*

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
rdbSchemaName	settingValue

6.4. RdbDataSourceName**6.4.1. Overview**

RdbDataSourceName: *JNDI data source name for connecting to the schema*

6.4.2. Design**Super Type**

[RdbSchemaSetting](#)

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

6.4.3. Attributes**6.4.3.1. Exported Attributes**

Name	Property
rdbDataSourceName	settingValue

6.5. RdbSchemaUserName**6.5.1. Overview**

RdbSchemaUserName: *A user for a schema*

6.5.2. Design**Super Type**

[RdbSchemaSetting](#)

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

6.5.3. Attributes

6.5.3.1. Exported Attributes

Name	Property
rdbSchemaUserName	settingValue
schemaFromUser	settingType

6.6. RdbSchemaPassword

6.6.1. Overview

RdbSchemaPassword: *A schema user's password*

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
rdbSchema	settingType
rdbSchemaPassword	settingValue

6.7. RdbMinPoolSize

6.7.1. Overview

RdbMinPoolSize: *DataSource minimum connections*

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
rdbMinPoolSize	settingValue

6.8. RdbMaxPoolSize**6.8.1. Overview****RdbMaxPoolSize:** *DataSource maximum connections***6.8.2. Design****Super Type**[RdbSchemaSetting](#)

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

6.8.3. Constraints**6.8.4. Attributes****6.8.4.1. Exported Attributes**

Name	Property
rdbMaxPoolSize	settingValue

6.9. RdbMaxWait

6.9.1. Overview

RdbMaxWait: *DataSource maximum connections*

6.9.2. Design

Super Type

[RdbSchemaSetting](#)

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

6.9.3. Constraints

6.9.4. Attributes

6.9.4.1. Exported Attributes

Name	Property
rdbMaxWait	settingValue

6.10. RdbSchemaSetting

6.10.1. Overview

RdbSchemaSetting: *an RdbSchema setting*

6.10.2. Design

Super Type

Setting

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

6.10.3. Constraints

6.10.3.1. Allowed Parent Dependencies

RdbSchema

- [RdbSchema](#)