

AtgRdbSchema

Represents a database schema

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1. Overview

AtgRdbSchema: *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

- [AtgRdbDataSourceName](#) 1
- AtgRdbInstallRoot1
- [AtgRdbSchemaName](#) 1
- [AtgRdbSchemaPassword](#) 1
- [AtgRdbSchemaTransactionIsolation](#) 1
- [AtgRdbSchemaType](#) 1
- [AtgRdbSchemaUserName](#) 1

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

3.2. Allowed Parent Dependencies

- [AtgRdb](#)
- Node

4. Attributes

4.1. Defaults for Imported Attributes

Name	Default
atgRdbInstallRoot	\${user.home}/dumps
atgRdbSchemaName	catalog
atgRdbSchemaTransactionIsolation	TRANSACTION_READ_COMMITTED
atgRdbSchemaType	catalog
rdbMaxPoolSize	30
rdbMinPoolSize	5

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
<${AtgRdb.entity.attribute.atgRdbInstance}>] [-password
<${entity.attribute.atgRdbSchemaPassword}>] [-rdbhome <>]
[-schema <${entity.attribute.atgRdbSchemaName}>] [-username
<${entity.attribute.atgRdbSchemaUserName}>]
```

Options

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

5.2. import

Imports the schema

Usage

```
import -buildstamp <> [-dmp_file
<${entity.attribute.atgRdbSchemaType}-${opts.buildstamp}.dmp>]
[-failonwarnings <>] [-fromuser
<${entity.attribute.atgRdbSchemaFromUser}>] -installroot <>
[-instance <${AtgRdb.entity.attribute.atgRdbInstanceName}>]
[-password <${entity.attribute.atgRdbSchemaPassword}>]
[-rdbhome <>] [-schema
<${entity.attribute.atgRdbSchemaName}>] [-username
<${entity.attribute.atgRdbSchemaUserName}>]
```

Options

Option	Description
buildstamp	<i>build stamp</i>
dmp_file	<i>dump file to import</i>
failonwarnings	<i>if arg true, fail if there are import warnings</i>
fromuser	<i>Schema user name from which to import</i>
installroot	<i>installroot of dmp package</i>
instance	<i>Database server instance name</i>
password	<i>Schema user's password</i>
rdbhome	<i>path to database install</i>
schema	<i>Database schema name</i>
username	<i>Schema user name into which to import</i>

5.3. ImportDmp

Imports the dmp file

Usage

```
ImportDmp -buildstamp <> -installroot <> [-schema <>]
```

5.3.1. Workflow

1. [import](#)**Options**

Option	Description
buildstamp	<i>Unique build identifier</i>
installroot	<i>installroot of dmp package</i>
schema	<i>optional schema name</i>

5.4. Status

Gets the status of the service

Usage
Status

5.4.1. Workflow1. [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
<AtgRdbData>] [-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
<${AtgRdb.entity.attribute.atgRdbInstance}>] [-password
<${entity.attribute.atgRdbSchemaPassword}>] [-schema
<${entity.attribute.atgRdbSchemaName}>] [-username
<${entity.attribute.atgRdbSchemaUserName}>]
```

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>

5.8. appendDataSourceContentXml

generate the datasource content XML and append to a file

Usage

```
appendDataSourceContentXml -file <> -rdbConnection <>
-rdbDataSourceName <> -rdbDriver <> [-rdbMaxPoolSize <>]
[-rdbMinPoolSize <>] -rdbSchemaPassword <>
-rdbSchemaUserName <> -rdbType <>
```

Options

Option	Description
file	file to append content to
rdbConnection	name for the db
rdbDataSourceName	name for the db
rdbDriver	name for the db
rdbMaxPoolSize	maximum number of pool connections
rdbMinPoolSize	minimum number of pool connections
rdbSchemaPassword	name for the db
rdbSchemaUserName	name for the db
rdbType	type of db

6. Related Types

The following types are defined for use with AtgRdbSchema.

6.1. AtgRdbSchemaType

6.1.1. Overview

AtgRdbSchemaType: A schema name

6.1.2. Design

Super Type

[AtgRdbSchemaSetting](#)

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

6.1.3. Attributes

6.1.3.1. Exported Attributes

Name	Property
atgRdbSchemaType	settingValue

6.2. AtgRdbSchemaTransactionIsolation

6.2.1. Overview

AtgRdbSchemaTransactionIsolation: *Schema Transaction Isolation value*

6.2.2. Design

Super Type

[AtgRdbSchemaSetting](#)

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

6.2.3. Attributes

6.2.3.1. Exported Attributes

Name	Property
rdbSchemaTransactionIsolation	settingValue

6.3. AtgRdbSchemaName

6.3.1. Overview

AtgRdbSchemaName: *A schema name*

6.3.2. Design

Super Type

[AtgRdbSchemaSetting](#)

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

6.3.3. Attributes

6.3.3.1. Exported Attributes

Name	Property
atgRdbSchemaName	settingValue

6.4. AtgRdbDataSourceName

6.4.1. Overview

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

6.4.2. Design

Super Type

[AtgRdbSchemaSetting](#)

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

6.4.3. Attributes

6.4.3.1. Exported Attributes

Name	Property
atgRdbDataSourceName	settingValue

6.5. AtgRdbSchemaUserName

6.5.1. Overview

AtgRdbSchemaUserName: *A user for a schema*

6.5.2. Design

Super Type[AtgRdbSchemaSetting](#)

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

6.5.3. Attributes**6.5.3.1. Exported Attributes**

Name	Property
atgRdbSchemaFromUser	settingType
atgRdbSchemaUserName	settingValue

6.6. AtgRdbSchemaPassword**6.6.1. Overview****AtgRdbSchemaPassword:** *A schema user's password***6.6.2. Design****Super Type**[AtgRdbSchemaSetting](#)

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
atgRdbSchemaPassword	settingValue
rdbSchema	settingType

6.7. AtgRdbSchemaEncryptedPassword

6.7.1. Overview

AtgRdbSchemaEncryptedPassword: *An encrypted schema user's password*

6.7.2. Design

Super Type

[AtgRdbSchemaPassword](#)

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

6.7.3. Constraints

6.7.3.1. Allowed Property Values

Property	Allowed Values	Default	Enforced
settingValueEncrypted	- false - true	true	true

6.7.4. Attributes

6.7.4.1. Exported Attributes

Name	Property
atgRdbSchemaPassword	settingValue
rdbSchema	settingType

6.8. AtgRdbMinPoolSize

6.8.1. Overview

AtgRdbMinPoolSize: *DataSource minimum connections*

6.8.2. Design

Super Type

[AtgRdbSchemaSetting](#)

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

6.8.3. Constraints

6.8.4. Attributes

6.8.4.1. Exported Attributes

Name	Property
rdbMinPoolSize	settingValue

6.9. AtgRdbMaxPoolSize

6.9.1. Overview

AtgRdbMaxPoolSize: *DataSource maximum connections*

6.9.2. Design

Super Type

[AtgRdbSchemaSetting](#)

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
rdbMaxPoolSize	settingValue

6.10. AtgRdbSchemaSetting

6.10.1. Overview

AtgRdbSchemaSetting: *an AtgRdbSchema 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

- [AtgRdbSchema](#)