

AtgRdb

A relational database service

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1. Overview

AtgRdb: *A relational database service*

2. Design

Super Type

[AtgService](#)

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

- [AtgCatalogRdbSchema](#) 1
- [AtgRdbConnection](#) 1
- [AtgRdbData](#)
- [AtgRdbDriver](#) 1
- [AtgRdbInstanceName](#) 1
- [AtgRdbPassword](#) 1
- [AtgRdbPort](#) 1
- [AtgRdbSchema](#)
- [AtgRdbType](#) 1
- [AtgRdbUserName](#) 1
- DispatchOptions1

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

3.2. Allowed Parent Dependencies

- [AtgAppServer](#)
- AtgCatalogBuilder
- [AtgDataBuilder](#)

- [AtgSite](#)
- Node

4. Attributes

4.1. Defaults for Imported Attributes

Name	Default
atgRdbType	oracle
dispatchOptions	installroot,buildstamp

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. switchSchemaBinding

updates the model with specified schema object

Usage

```
switchSchemaBinding [-fromschema <>] -schematype <>
-toschema <>
```

Options

Option	Description
fromschema	<i>name of schema to switch from</i>
schematype	<i>type name</i>
toschema	<i>name of schema to switch to</i>

5.2. Schemas-ExportDmp

Calls each AtgRdbSchema resource to export its database schema to a dump package

Usage

```
Schemas-ExportDmp -buildstamp <> [-command <ExportDmp>]
[-resourcetype <.*RdbSchema>]
```

5.2.1. Workflow

1. dispatchCmd

Options

Option	Description
buildstamp	<i>Unique build identifier</i>
command	<i>Command to execute</i>
resourcetype	<i>Type of resource to dispatch</i>

5.3. assertServiceIsUp

checks if the service is up

Usage

```
assertServiceIsUp [-count <3>] [-rdbinstance
<${entity.attribute.atgRdbInstanceName}>] [-rdbpasword
<${entity.attribute.atgRdbPassword}>] [-rdusername
<${entity.attribute.atgRdbUserName}>]
```

Options

Option	Description
count	<i>number of times to ping</i>
rdbinstance	<i>Instance name</i>
rdbpasword	<i>Database user's password</i>
rdusername	<i>Database user name</i>

5.4. Schemas-ImportDmp

Calls each AtgRdbSchema resource to import its dump file package

Usage

```
Schemas-ImportDmp -buildstamp <> [-command <ImportDmp>]
[-installroot <>] [-resourcetype <.*RdbSchema>] [-schema <>]
```

5.4.1. Workflow

1. dispatchCmd

Options

Option	Description
buildstamp	
command	<i>Command to execute</i>
installroot	<i>installroot of dmp package</i>
resourcetype	<i>Resource type to dispatch</i>
schema	<i>optional schema name</i>

5.5. generateDSXml

generates a datasource xml file

Usage

```
generatedSXml -path <> [-rdbConnection <>] [-rdbDriver <>]
[-resourcename <.*>] [-resourcetype <[^\.]*Schema>]
```

Options

Option	Description
path	<i>path to file to generate</i>
rdbConnection	<i>rdb connection string</i>
rdbDriver	<i>rdb connection string</i>
resourcename	<i>regex of name of schema resources to apply to</i>
resourcetype	<i>type name regex for schema types to apply command to</i>

6. Related Types

The following types are defined for use with AtgRdb.

6.1. AtgRdbSetting

6.1.1. Overview

AtgRdbSetting: *an AtgRdb 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

- [AtgRdb](#)

6.2. AtgRdbDriver

6.2.1. Overview

AtgRdbDriver: *Specifies the Database Driver*

6.2.2. Design

Super Type [AtgRdbSetting](#)

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

6.2.3. Attributes

6.2.3.1. Exported Attributes

Name	Property
atgRdbDriver	settingValue

6.3. AtgRdbConnection

6.3.1. Overview

AtgRdbConnection: *Specifies the Database Connection*

6.3.2. Design

Super Type

[AtgRdbSetting](#)

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

6.3.3. Attributes

6.3.3.1. Exported Attributes

Name	Property
atgRdbConnection	settingValue

6.4. AtgRdbPort

6.4.1. Overview

AtgRdbPort: *Specifies the Database Connection Port*

6.4.2. Design

Super Type

[AtgRdbSetting](#)

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

6.4.3. Attributes

6.4.3.1. Exported Attributes

Name	Property
atgRdbPort	settingValue

6.5. AtgRdbType

6.5.1. Overview

AtgRdbType: *Specifies the unique key value identifying which type database type is in use (e.g. "mssql" or "oracle", etc)*

6.5.2. Design

Super Type [AtgRdbSetting](#)

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

6.5.3. Attributes

6.5.3.1. Exported Attributes

Name	Property
atgRdbType	settingValue

6.6. AtgRdbUserName

6.6.1. Overview

AtgRdbUserName: *A user for a schema*

6.6.2. Design

Super Type [AtgRdbSetting](#)

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

6.6.3. Attributes

6.6.3.1. Exported Attributes

Name	Property
atgRdbUserName	settingValue

6.7. AtgRdbPassword

6.7.1. Overview

AtgRdbPassword: *A schema user's password*

6.7.2. Design

Super Type

[AtgRdbSetting](#)

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
atgRdbPassword	settingValue

6.8. AtgRdbEncryptedPassword

6.8.1. Overview

AtgRdbEncryptedPassword: *An encrypted rdb user's password*

6.8.2. Design

Super Type

[AtgRdbPassword](#)

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

6.8.3. Constraints

6.8.3.1. Allowed Property Values

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

6.8.4. Attributes

6.8.4.1. Exported Attributes

Name	Property
atgRdbPassword	settingValue

6.9. AtgRdbInstanceName

6.9.1. Overview

AtgRdbInstanceName: *Stores the value of the database instance name*

6.9.2. Design

Super Type

[AtgRdbSetting](#)

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

6.9.3. Attributes

6.9.3.1. Exported Attributes

Name	Property
atgRdbInstanceName	settingValue