

AtgRdb

A relational database service

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 Commands.....	3
4.1 switchSchemaBinding.....	3
4.2 Packages-Install.....	3
4.3 Schemas-ExportDmp.....	3
4.4 assertServiceIsUp.....	4
4.5 Update.....	4
4.6 Schemas-ImportDmp.....	5
4.7 dispatchCmd.....	5
5 Related Types.....	6
5.1 AtgRdbSetting.....	6
5.2 AtgRdbType.....	6
5.3 AtgRdbUserName.....	7
5.4 AtgRdbPassword.....	8
5.5 AtgRdbInstanceName.....	8

1. Overview

[Open in Workbench](#)

AtgRdb: *A relational database service*

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

- [AtgCatalogSchema](#) 1
- [AtgRdbData](#)
- [AtgRdbInstanceName](#) 1
- [AtgRdbPassword](#) 1
- [AtgRdbSchema](#)
- [AtgRdbSchema](#)
- [AtgRdbType](#) 1
- [AtgRdbUserName](#) 1

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

3.2. Allowed Parent Dependencies

- AtgCatalogBuilder
- [AtgDataBuilder](#)
- [AtgSite](#)
- Node

4. 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.

4.1. switchSchemaBinding

updates the model with specified schema object

Usage

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

4.1.1. 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>

4.2. Packages-Install

installs all the package dependencies

Usage

```
Packages-Install [-buildstamp <>] [-packagetype <[^\.]*>]
[-resourcetype <AtgRdbSchema>]
```

4.2.1. Options

Option	Description
buildstamp	<i>Unique build and deployment identifier (ignored)</i>
packagetype	<i>type of packages to install</i>
resourcetype	<i>Optional schema resource type</i>

4.3. Schemas-ExportDmp

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

Usage

```
Schemas-ExportDmp -buildstamp <> [-command <ExportDmp>]
[-resourcetype <AtgRdbSchema>]
```

4.3.1. Workflow

1. [dispatchCmd](#)

4.3.2. Options

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

4.4. assertServiceIsUp

checks if the service is up

Usage

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

4.4.1. Options

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

4.5. Update

Runs the AtgRdb update process

Usage

```
Update -buildstamp <> [-resourcetype <AtgRdbSchema>]
```

4.5.1. Workflow

1. [Packages-Install](#)
2. [Schemas-ImportDmp](#)

4.5.2. Options

Option	Description
buildstamp	<i>Unique build identifier</i>
resourcetype	<i>Optional schema resource type</i>

4.6. Schemas-ImportDmp

Calls each AtgRdbSchema resource to import its dump file package

Usage

```
Schemas-ImportDmp -buildstamp <> [-command <ImportDmp>]
[-resourcetype <AtgRdbSchema>]
```

4.6.1. Workflow

1. [dispatchCmd](#)

4.6.2. Options

Option	Description
buildstamp	<i>Unique build identifier</i>
command	<i>Command to execute</i>
resourcetype	<i>Resource type to dispatch</i>

4.7. dispatchCmd

Dispatches a command to selected resources

Usage

```
dispatchCmd [-buildstamp <>] -command <> [-keepgoing]
[-resourcename <.*>] [-resourceorder <[^.]*>] [-resourcetype
<[^.]*>] [-sortorder <ascending>]
```

4.7.1. Options

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

buildstamp	<i>Unique build and deployment identifier</i>
command	<i>command to dispatch</i>
keepgoing	<i>If true, all iterations of the called workflow will be executed, even if a task in one or more of them fails.</i>
resourcename	<i>resource name pattern</i>
resourceorder	<i>resource order name</i>
resourcetype	<i>resource type name</i>
sortorder	<i>order to sort resources</i>

5. Related Types

The following types are defined for use with AtgRdb.

5.1. AtgRdbSetting

5.1.1. Overview

[Open in Workbench](#)

AtgRdbSetting: *an AtgRdb setting*

5.1.2. Design

Super Type Setting

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

5.1.3. Constraints

5.1.3.1. Allowed Parent Dependencies

- [AtgRdb](#)

5.2. AtgRdbType

5.2.1. Overview

[Open in Workbench](#)

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

5.2.2. Design

Super Type

[AtgRdbSetting](#)

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

5.2.3. Attributes

5.2.3.1. Exported Attributes

Name	Property
atgRdbType	settingValue

5.3. AtgRdbUserName

5.3.1. Overview

[Open in Workbench](#)

AtgRdbUserName: *A user for a schema*

5.3.2. Design

Super Type

[AtgRdbSetting](#)

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

5.3.3. Attributes

5.3.3.1. Exported Attributes

Name	Property
atgRdbUserName	settingValue

5.4. AtgRdbPassword

5.4.1. Overview

[Open in Workbench](#)

AtgRdbPassword: *A schema user's password*

5.4.2. Design

Super Type

[AtgRdbSetting](#)

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

5.4.3. Constraints

5.4.4. Attributes

5.4.4.1. Exported Attributes

Name	Property
atgRdbPassword	settingValue

5.5. AtgRdbInstanceName

5.5.1. Overview

[Open in Workbench](#)

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

5.5.2. Design

Super Type

[AtgRdbSetting](#)

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

5.5.3. Attributes

5.5.3.1. Exported Attributes

Name	Property
atgRdbInstanceName	settingValue