

AtgOracleSchema

Represents an database schema

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1. Overview

AtgOracleSchema: *Represents an database schema*

2. Design

Super Type

[AtgRdbSchema](#)

Role	Abstract. (Objects cannot be created.)
Instance Names	Unique
Notification	false
Template Directory	
Data View	Children, proximity: 1
Logger Name	

3. Constraints

3.1. Allowed Child Dependencies

- [AtgRdbData](#) 1
- AtgRdbDataSourceName1
- AtgRdbMaxPoolSize1
- AtgRdbMinPoolSize1
- AtgRdbSchemaName1
- AtgRdbSchemaPassword1
- AtgRdbSchemaTransactionIsolation1
- AtgRdbSchemaUserName1
- AtgSwitchingDatasource1

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

3.2. Allowed Parent Dependencies

- [AtgOracleRdb](#)

4. Attributes

4.1. Defaults for Imported Attributes

Name	Default
atgRdbSchemaTransactionIsolation	TRANSACTION_READ_COMMITTED
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

export the schema

Usage

```
export -buildstamp <> [-pass <>] [-rdb_home <>]
[-rdbinstance <>] [-user <>]
```

Execution	bash
Arguments	<pre>export ORACLE_SID=\${opts.rdbinstance} ORACLE_HOME=\${opts.rdb_home} ORA_NLS33=\${opts.rdb_home}/ocommon/nls/admin/data/ TNS_ADMIN=\${opts.rdb_home}/network/admin/ && \$ORACLE_HOME/bin/exp \${opts.user}/\${opts.pass}@\${opts.rdbinstance} PARFILE=\${user.home}/bin/data_export/export_schema.par FILE=\${entity.instance.dir}/var/\${context.name}-\${opts.buildstamp}</pre>

Options

Option	Description
buildstamp	<i>build stamp</i>
pass	<i>pass phrase</i>
rdb_home	<i>path to oracle install</i>
rdbinstance	<i>db instance</i>

user	user name
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5.2. Packages-Install

installs all the package dependencies

Usage

Packages-Install

5.3. import

imports the schema

Usage

```
import -dmp_file <> [-from_user <>] [-pass <>] [-rdb_home
<>] -rdbinstance <> [-user <>]
```

Execution	bash
Arguments	export ORACLE_SID=\${opts.rdbinstance} ORACLE_HOME=\${opts.rdb_home} && sh \${user.home}/bin/data_import/import_schema.sh \${opts.dmp_file} \${opts.user} \${opts.pass} \${opts.from_user}

Options

Option	Description
dmp_file	<i>dump file to import</i>
from_user	<i>from user</i>
pass	<i>password</i>
rdb_home	<i>oracle basedir</i>
rdbinstance	<i>database instance</i>
user	<i>user name</i>

5.4. ImportDmp

Imports the dmp file

Usage

ImportDmp -rdbinstance <>

5.4.1. Workflow

1. [installDmps](#)

Options

Option	Description
rdbinstance	<i>oracle instance id</i>

5.5. Status

Gets the status of the service

Usage
Status

5.5.1. Workflow

1. [upSchema](#)

5.6. installDmps

wrapper around Packages-Install

Usage
installDmps [-data_dir </export/home/build/data/current>]
[-package_type <AtgRdbData_.*>] -rdbinstance <>
[-removeafterimport <true>]

Options

Option	Description
data_dir	<i>import command looks for dmps here</i>
package_type	<i>dump file package type</i>
rdbinstance	<i>database rdbinstance</i>
removeafterimport	<i>removes the dmp file after import</i>

5.7. ExportDmp

exports and uploads a dump

Usage
ExportDmp -buildstamp <> -rdbinstance <>

5.7.1. Workflow

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

5.7.2. Error Handler

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

Option	Description
buildstamp	<i>buildstamp</i>
rdbinstance	<i>database instance</i>

5.8. registerDmp

registers the dump file as an object

Usage

```
registerDmp [-buildstamp <>] [-dmp_file <>] [-packagetype
<AtgRdbData>] [-rdbinstance <>] [-release <>] [-tstampformat
<yyyymmddhhmm>] [-version <>]
```

Options

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

5.9. upSchema

checks schema

Usage

upSchema [-pass <>] -rdbinstance <> [-user <>]

Execution	bash
Arguments	sqlplus \${opts.user}/\${opts.pass}@\${opts.rdbinstance} <<EOF SHOW USER EOF

Options

Option	Description
pass	<i>user pass</i>
rdbinstance	<i>oracle instance</i>
user	<i>user name</i>

5.10. runSqlplus

runs sqlplus command

Usage

runSqlplus -file <> [-pass <>] [-rdb_home <>] -rdbinstance <> [-user <>]

Execution	bash
Arguments	export ORACLE_HOME=\${opts.rdb_home}; \${opts.rdb_home}/bin/sqlplus \${opts.user}/\${opts.pass}@\${opts.rdbinstance} @\${opts.file}

Options

Option	Description
file	<i>sql script to run</i>
pass	<i>password</i>
rdb_home	<i>install dir</i>
rdbinstance	<i>oracle rdbinstance</i>
user	<i>user name</i>

6. Related Types

The following types are defined for use with AtgOracleSchema.

6.1. AtgOracleSchemaSetting

6.1.1. Overview

AtgOracleSchemaSetting: *an AtgOracleSchema 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

- [AtgOracleSchema](#)