

MysqlRdb

A MySQL database instance

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1. Overview

MysqlRdb: A MySQL database instance

2. Design

Super Type

[Rdb](#)

Role	Concrete. (Objects can be created.)
Instance Names	Unique
Notification	false
Template Directory	
Data View	Children, proximity: 1
Logger Name	MysqlRdb

3. Constraints

3.1. Allowed Child Dependencies

- [MysqlBasedir](#) 1
- [MysqlDatadir](#) 1
- [MysqlNode](#)
- [MysqlPassword](#) 1
- [MysqlPort](#) 1
- [MysqlSchema](#)

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

3.2. Allowed Parent Dependencies

- Deployment
- Node
- Site

4. Attributes

4.1. Defaults for Imported Attributes

Name	Default
mysqlPort	3306

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. Docs-Generate

generates all defined docs

Usage

```
Docs-Generate [-archivedir <${entity.instance.dir}/var>]
[-pass <ctierpass>] [-port <3316>] [-user <ctier>]
```

Options

Option	Description
archivedir	<i>dir to store current output docs</i>
pass	<i>db pass</i>
port	<i>listen port</i>
user	<i>dbuser</i>

5.2. assertServiceIsDown

checks if the service is down

Usage

```
assertServiceIsDown
```

5.3. assertServiceIsUp

checks if the service is running

Usage

```
assertServiceIsUp
```

5.4. installDb

installs the database

Usage

`installDb`

5.5. startService

starts the service

Usage

`startService`

5.6. stopService

stops the service

Usage

`stopService`

5.7. Prepare

creates the db and prepares it for use

Usage

`Prepare`

5.7.1. Workflow

1. Install
2. Stop
3. Configure
4. [installDb](#)
5. Start
6. Schemas-Prepare

6. Related Types

The following types are defined for use with MysqlRdb.

6.1. MysqlSetting**6.1.1. Overview**

MysqlSetting: *A MySQL configuration 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

- [MySqlRdb](#)

6.2. MySqlBasedir

6.2.1. Overview

MySqlBasedir: *The MySQL installation directory*

6.2.2. Design

Super Type [MySqlSetting](#)

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

6.2.3. Attributes

6.2.3.1. Exported Attributes

Name	Property
mysqlBasedir	settingValue

6.3. MySqlDatadir

6.3.1. Overview

MySqlDatadir: *The MySQL data directory*

6.3.2. Design

Super Type

[MysqlSetting](#)

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

6.3.3. Attributes

6.3.3.1. Exported Attributes

Name	Property
mysqlDatadir	settingValue

6.4. MysqlNode

6.4.1. Overview

MysqlNode: *The node hosting the MySQL instance*

6.4.2. Design

Super Type

[MysqlSetting](#)

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

6.4.3. Attributes

6.4.3.1. Exported Attributes

Name	Property
mysqlNode	settingValue

6.5. MysqlPort

6.5.1. Overview

MysqlPort: *Port used by MySQL*

6.5.2. Design

Super Type Port

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

6.5.3. Attributes

6.5.3.1. Exported Attributes

Name	Property
mysqlPort	settingValue

6.6. MysqlLoadScript

6.6.1. Overview

MysqlLoadScript: *Schema load script used by MySQL*

6.6.2. Design

Super Type [MysqlSetting](#)

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

6.6.3. Attributes

6.6.3.1. Exported Attributes

Name	Property
mysqlLoadScript	settingValue

6.7. MysqlPassword

6.7.1. Overview

MysqlPassword: *A MySQL schema username and password*

6.7.2. Design

Super Type

[MysqlSetting](#)

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

6.7.3. Attributes

6.7.3.1. Exported Attributes

Name	Property
pass	settingValue
user	settingType