

# PostgresRdb

## PostgreSQL server system service module

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## 1. Overview

**PostgresRdb:** *PostgreSQL server system service module*

## 2. Design

### Super Type

[Rdb](#)

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

## 3. Constraints

### 3.1. Allowed Child Dependencies

- [PostgresRdbPgData](#) 1
- [PostgresRdbPgEngine](#) 1
- [PostgresRdbSchema](#)
- RdbConnection1
- RdbDriver1
- RdbInstanceName1
- RdbPassword1
- RdbPort1
- RdbType1
- RdbUserName1
- SystemServiceScript1
- SystemServiceUseSudo1

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

### 3.2. Allowed Parent Dependencies

- Node
- Service

- Site

## 4. Attributes

### 4.1. Defaults for Imported Attributes

Name	Default
pgData	/var/lib/pgsql/data
pgEngine	/usr/bin
rdbConnection	localhost
rdbDriver	org.postgresql.Driver
rdbInstanceName	postgres
rdbPassword	postgres
rdbPort	5432
rdbType	postgresql
rdbUserName	postgres
systemServiceScript	postgresql

## 5. Commands

View the available commands in the [User Reference](#).

## 6. Related Types

The following types are defined for use with PostgresRdb.

### 6.1. PostgresRdbPgData

#### 6.1.1. Overview

**PostgresRdbPgData:** *PostgreSQL server data directory*

#### 6.1.2. Design

##### Super Type

### [PostgresRdbSetting](#)

Role	<b>Concrete.</b> (Objects can be created.)
Instance Names	<b>Unique</b>

#### 6.1.3. Constraints

##### 6.1.3.1. Allowed Parent Dependencies

- [PostgresRdb](#)

#### 6.1.4. Attributes

##### 6.1.4.1. Exported Attributes

Name	Property
pgData	settingValue

## 6.2. PostgresRdbPgEngine

### 6.2.1. Overview

**PostgresRdbPgEngine:** *PostgreSQL program installation directory*

### 6.2.2. Design

#### Super Type

#### [PostgresRdbSetting](#)

Role	<b>Concrete.</b> (Objects can be created.)
Instance Names	<b>Unique</b>

#### 6.2.3. Constraints

##### 6.2.3.1. Allowed Parent Dependencies

- [PostgresRdb](#)

#### 6.2.4. Attributes

##### 6.2.4.1. Exported Attributes

Name	Property
pgEngine	settingValue

## 6.3. PostgresRdbSetting

### 6.3.1. Overview

**PostgresRdbSetting:** *PostgreSQL server configuration setting*

### 6.3.2. Design

#### Super Type Setting

Role	<b>Abstract.</b> (Objects cannot be created.)
Instance Names	<b>Unique</b>