

RdbSchema

Represents a database schema

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1. Overview

RdbSchema: *Represents a database schema*

1.1. Intent

The RdbSchema object is a deployment representing a database schema which is typically a dependency of an Rdb (database service) object. Schemas are modeled so that there are the following tiers:

- AppServer such as a [JBossServer](#) object depending on:
- Database Server such an [Rdb](#) object depending on:
- RdbSchema objects

Typically these objects are accessible from the application server in order to generate its datasource configuration.

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

- [RdbDataSourceName](#) 1
- RdbInstallRoot1
- [RdbMaxPoolSize](#) 1
- [RdbMaxWait](#) 1
- [RdbMinPoolSize](#) 1
- [RdbSchemaName](#) 1

- [RdbSchemaParam](#)
- [RdbSchemaPassword](#) 1
- [RdbSchemaType](#) 1
- [RdbSchemaUserName](#) 1

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

3.2. Allowed Parent Dependencies

- Node
- [Rdb](#)

Limit this object to be referred to by Node and Rdb objects only.

4. Attributes

4.1. Defaults for Imported Attributes

Name	Default	Description
rdbDataSourceName	DefaultDS	default jndi datasource name
rdbMaxPoolSize	20	default maximum pool size
rdbMaxWait	5000	default maximum wait for databasae connection in milliseconds
rdbMinPoolSize	5	default minimum pool size
rdbSchemaPassword		default schema password
rdbSchemaUserName	sa	default schema username

5. Commands

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

6. Related Types

The following types are defined for use with RdbSchema.

6.1. RdbDataSourceName

6.1.1. Overview

RdbDataSourceName: *JNDI data source name for connecting to the schema*

6.1.1.1. Intent

The jndi datasource name that the application uses to reference this schema. Typically accessed by a referring application server for datasource generation.

6.1.2. Design

Super Type

[RdbSchemaSetting](#)

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

6.1.3. Attributes

6.1.3.1. Exported Attributes

Name	Property	Description
rdbDataSourceName	settingValue	attribute setting representing the jndi datasource name.

6.2. RdbMaxPoolSize

6.2.1. Overview

RdbMaxPoolSize: *DataSource maximum connections*

6.2.1.1. Intent

The specified maximum pool size for referring entities that connect to this schema. Typically accessed by a referring application server for datasource generation.

6.2.2. Design

Super Type

[RdbSchemaSetting](#)

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

6.2.4. Attributes

6.2.4.1. Exported Attributes

Name	Property	Description
rdbMaxPoolSize	settingValue	attribute setting containing the maximum pool size

6.3. RdbMaxWait

6.3.1. Overview

RdbMaxWait: *DataSource maxwait parameter*

6.3.2. Design

Super Type

[RdbSchemaSetting](#)

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

6.3.3. Constraints

6.3.4. Attributes

6.3.4.1. Exported Attributes

Name	Property
rdbMaxWait	settingValue

6.4. RdbMinPoolSize

6.4.1. Overview

RdbMinPoolSize: *DataSource minimum connections*

6.4.1.1. Intent

The specified minimum pool size for referring entities that connect to this schema. Typically accessed by a referring application server for datasource generation.

6.4.2. Design**Super Type**
[RdbSchemaSetting](#)

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

6.4.3. Constraints**6.4.4. Attributes****6.4.4.1. Exported Attributes**

Name	Property	Description
rdbMinPoolSize	settingValue	attribute setting containing the minimum pool size

6.5. RdbSchemaName**6.5.1. Overview**

RdbSchemaName: *A schema name*

6.5.1.1. Intent

Specifies the name of the database schema. Typically accessed by a referring application server for datasource generation.

6.5.2. Design**Super Type**
[RdbSchemaSetting](#)

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

6.5.3. Attributes

6.5.3.1. Exported Attributes

Name	Property	Description
rdbSchemaName	settingValue	attribute setting representing a database schema name.

6.6. RdbSchemaParam

6.6.1. Overview

RdbSchemaParam: *A schema parameter*

6.6.2. Design

Super Type

[RdbSchemaSetting](#)

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

6.7. RdbSchemaPassword

6.7.1. Overview

RdbSchemaPassword: *A schema user's password*

6.7.1.1. Intent

The password used to access the database schema. Typically accessed by a referring application server for datasource generation.

6.7.2. Design

Super Type

[RdbSchemaSetting](#)

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	Description
rdbSchema	settingType	
rdbSchemaPassword	settingValue	attribute setting containing the password required for database schema access Typically accessed by a referring application server for datasource generation.

6.8. RdbSchemaSetting

6.8.1. Overview

RdbSchemaSetting: *an RdbSchema setting*

6.8.1.1. Intent

Supertype to encapsulate related subtypes to support RdbSchema deployments.

6.8.2. Design

Super Type Setting

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

6.8.3. Constraints

6.8.3.1. Allowed Parent Dependencies

- [RdbSchema](#)
RdbSchema settings shall only be referred to by RdbSchema objects.

6.9. RdbSchemaType

6.9.1. Overview

RdbSchemaType: *A schema name*

6.9.2. Design

Super Type

[RdbSchemaSetting](#)

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

6.9.3. Attributes

6.9.3.1. Exported Attributes

Name	Property
rdbSchemaType	settingValue

6.10. RdbSchemaUserName

6.10.1. Overview

RdbSchemaUserName: *A user for a schema*

6.10.1.1. Intent

The username used to access the database schema. Typically accessed by a referring application server for datasource generation.

6.10.2. Design

Super Type

[RdbSchemaSetting](#)

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

6.10.3. Attributes

6.10.3.1. Exported Attributes

Name	Property	Description
rdbSchemaUserName	settingValue	attribute setting containing the username required for database schema access
schemaFromUser	settingType	