

RdbDataBuilder

General purpose ControlTier data builder

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1. Overview

RdbDataBuilder: *General purpose ControlTier data builder*

2. Design

Super Type Builder

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

3. Constraints

3.1. Allowed Child Dependencies

- BuilderBuildFile1
- BuilderBuildTarget1
- BuilderPackageExtension1
- BuilderPackageFilebase1
- BuilderPackageInstallroot1
- BuilderPackageType1
- BuilderPackageVersion1
- BuilderrunImportMax1
- BuilderrunImportMin1
- BuilderScmBinding1
- BuilderScmConnection1
- BuilderScmLabel1
- BuilderScmModule1
- [Rdb](#)
- RdbExportDir1
- RdbInstanceName1
- RdbSchemaName1

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

3.2. Allowed Parent Dependencies

- Node
- Updater

4. Attributes

4.1. Exported Attributes

Name	Property	Description
basedir	deployment-basedir	Directory where source code is checked out
targetdir	deployment-install-root	Directory where build artifacts are written

4.2. Defaults for Imported Attributes

Name	Default	Description
buildFile		Build file to invoke
buildTarget		Target to invoke
importMax	1	maximum number of packages to import after build
importMin	1	minimum number of packages to import after build
packageExtension	.*	name or pattern of file name extensions to import
packageFilebase	.*?	root name or pattern of filenames to import (minus file extension and option version qualifier)
packageInstallroot	\${entity.instance.dir}/RdbDataPa	Directory built package should be extracted
packageType	RdbDataPackage	Object type to use when registering uploaded packages

packageVersion	\${opts.buildstamp}	String to use for assigning version for package registration
rdbInstanceName	default	Target rdb
rdbSchemaName	default	Target rdb schema name
scmBinding	cvs	binds scm commands to concrete SCM client commandsxs
scmConnection		connection string to access SCM repository
scmLabel		name of the label/branch to access in SCM repository
scmModule		name of code module in SCM repository

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. Build

Run the data build cycle, delegating schema export to the configured Rdb deployment.

Usage

Build [-buildstamp <>]

5.1.1. Workflow

1. [rdbSchemaExport](#)
2. repoImport

5.1.2. Options

Option	Description
buildstamp	<i>build identifier</i>

5.2. dispatchCmd

Dispatch specified command to selected child dependencies.

Usage

```
dispatchCmd [-buildstamp <>] -command <> [-keepgoing]
[-resourceName <.*>] [-resourceOrder <[^.]*>] [-resourceType
<[^.]*>] [-sortOrder <ascending>] [-targetDir <>]
```

5.2.1. 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>
targetDir	<i>target directory</i>

5.3. rdbSchemaExport

Dispatch the RdbSchema export operation via the configured Rdb child dependency.

Usage

```
rdbSchemaExport [-buildstamp <>] [-command <Export>]
[-resourceName <.*>] [-resourceType <Rdb>] [-targetDir <>]
```

5.3.1. Workflow

1. [dispatchCmd](#)

5.3.2. Options

Option	Description
buildstamp	<i>build identifier</i>
command	<i>command name</i>

resourcename	<i>resource name pattern</i>
resourcetype	<i>resource type name</i>
targetdir	<i>target directory</i>