

# YumRpm

## Yum Package Type

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## 1. Overview

### YumRpm: Yum Package Type

This package type maps the extract command to Yum's install/update commands. Basically, creating an instance of the type that sets the package-filename attribute to the RPM package name you want (e.g. "graphviz") will result in the extract command executing either Yum the install ("yum install graphviz") or update command ("yum update graphviz") depending on whether or not the package is already installed. Note that the get and finish commands are over-riden to eliminate interactions with the ControlTier DAV repository since the package itself is in Yum's repository.

## 2. Design

### Super Type

rpm

|                    |  |
|--------------------|--|
| 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        | YumRpm                                     |

## 3. Constraints

### 3.1. Allowed Child Dependencies

- PackageCommandExecutable
- PackageCommandScript
- PackageSetting
- RpmAutoreq1
- RpmCategory1
- RpmCopyright1
- RpmDbPath1
- RpmDefaultGroup1
- RpmDefaultUser1
- RpmDistribution1
- RpmLicense1

- RpmPackager1
- RpmProvides1
- RpmRequires1
- RpmUrl1
- RpmUseSudo1
- RpmVendor1
- YumUseSudo1

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

## 4. Attributes

### 4.1. Defaults for Imported Attributes

| Name                       | Default                                      |
|----------------------------|--|
| package-delete             | false  |
| package-extract-script     | \${modules.dir}/YumRpm/bin/extract.xml       |
| package-get-script         |  |
| package-isinstalled-script | \${modules.dir}/Package/bin/is-installed.xml |

## 5. Commands

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