Stupid Simple Module Bundle Manager

JaspModuleX
- lockfile
- R
- etc

In

JaspModuleInstaller

Builds

renv-cache
- **JaspModuleX**
- dep1
- dep2
- dep3

JaspModuleX lib
- **JaspModuleX**
- dep1
- dep2
- dep3

symlinks

Path in

JaspModuleBundleManager

Packs

JaspModuleX.JASPModule

Probably just a ZIP

Contains

Manifest:
name, version, hash
Contents:
sha256(JaspModuleX) -> JaspModuleX
sha256(dep1) -> dep1
sha256(dep2) -> dep1
etc

JaspModuleX
- SHA256(JaspModuleX)
- SHA256(dep1)
- SHA256(dep2)
- SHA256(dep3)
- JaspModuleX_manifest.json

Install

JaspModuleBundleManager

1 Copy if not exist Hash folders

BinaryPgks
- SHA256(JaspModuleY)
- SHA256(depz)
- SHA256(depq)
- etc

Delete all entries used by module but not other Modules

Name of Module To delete

3 Create folders containing symlinks to BinaryPkgs

ModuleBundleLibraries
- JaspmoduleY
- JaspmoduleX
- etc

delete entry

JaspModuleBundleManager

2 Uninstall if already present.

Then copy the manifest

Manifests
- JaspmoduleY
- JaspmoduleX

read all manifests then delete entry

can easily be expanded to maintain multiple versions of one module by using postfix