



adaptTo()

APACHE SLING & FRIENDS TECH MEETUP
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Vault Upgrade Hook

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Motivation - what does it do?

- content migration
- simplify upgrade and/or deployment
- use existing APIs and processes

Technology

Technology - InstallHook

- building on Jackrabbits InstallHook
- META-INF/vault/hooks/
vault-upgrade-hook-<version>.jar

Technology - Implementation

- UpgradeProcessor, UpgradeInfo, UpgradeAction
- Groovy, GroovyConsole, SlingPipes, UserPreferencesUpgrade

Features

Features - installation mode

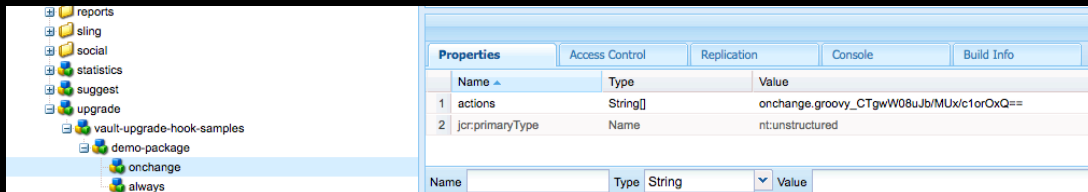
- “always”
 - actions are executed with every installation of the package
- “onChange”
 - only new or changed actions are executed
 - change detection via MD5 hash

Features - minimal dependencies

- JCR + Jackrabbit
- SLF4J
- All other dependencies are optional and depend on the type of action
- JDK 1.7

How does it look?

- <https://github.com/Netcentric/vault-upgrade-hook/tree/develop/samples/groovy-package>
- scripts: src/main/upgrader
- mvn -Pinstall
- re-install via package explorer
- for detailed logs configure: biz.netcentric.vlt.upgrade
- /var/upgrade



```
[INFO] Installing content...
Upgrade phase [PREPARE]
Upgrade executed GroovyScript[always.groovy, 44ms] always.groovy
Collecting import information...
Installing node types...
Installing privileges...
Importing content...
- /
saving approx 0 nodes...
Package imported.
Upgrade phase [INSTALLED]
Upgrade phase [END]
Upgrade executed GroovyScript[onchange.groovy, 43ms] onchange.groovy
Upgrade [1] actions executed for GroovyConsoleHandler[ALWAYS] test-always
Upgrade [1] actions executed for GroovyConsoleHandler[ON_CHANGE] test-onchange
Upgrade saved status demo-package
Package installed in 137ms.
```

```
Install Package: /etc/packages/vault-upgrade-hook-samples/demo-package-0.0.1-SNAPSHOT.zip
Mon Aug 28 2017 14:48:11 GMT+0200 (CEST)

Installing content
Upgrade phase [PREPARE]
Upgrade executed GroovyScript[always.groovy, 31ms] /etc/packages/vault-upgrade-hook-samples
Collecting import information...
Installing node types...
Installing privileges...
Importing content...
- /
saving approx 0 nodes...
Package imported.
Upgrade phase [INSTALLED]
Upgrade phase [END]
Upgrade [1] actions executed for GroovyConsoleHandler[ALWAYS] /etc/packages/vault-upgrade-h
Upgrade [0] actions executed for GroovyConsoleHandler[ON_CHANGE] /etc/packages/vault-upgrad
Upgrade saved status /var/upgrade/vault-upgrade-hook-samples/demo-package

Package installed in 73ms.
```

Project

Project - Status

- Version 1.0.0 released
- ready for production

Questions?

Links

- <https://github.com/Netcentric/vault-upgrade-hook>
- <https://jackrabbit.apache.org/filevault/apidocs/org/apache/jackrabbit/vault/packaging/InstallHook.html>
- <https://github.com/OlsonDigital/aem-groovy-console>