



adaptTo()

EUROPE'S LEADING AEM DEVELOPER CONFERENCE
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Precompiled Bundled Scripts from Content Packages

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Advantages

- Detect errors during compile time
- Improved class loading
 - explicit dependencies
 - supports version ranges
 - leveraging OSGi bundle classloader
- Easier resource type versioning

Packaged in regular OSGi Bundle with

1. Java Servlet Classes
2. Regular OSGi Bundle Metadata
3. Additional Bundled Script Metadata
 - Generated with `scriptingbundle-maven-plugin`

AEM Components consist out of

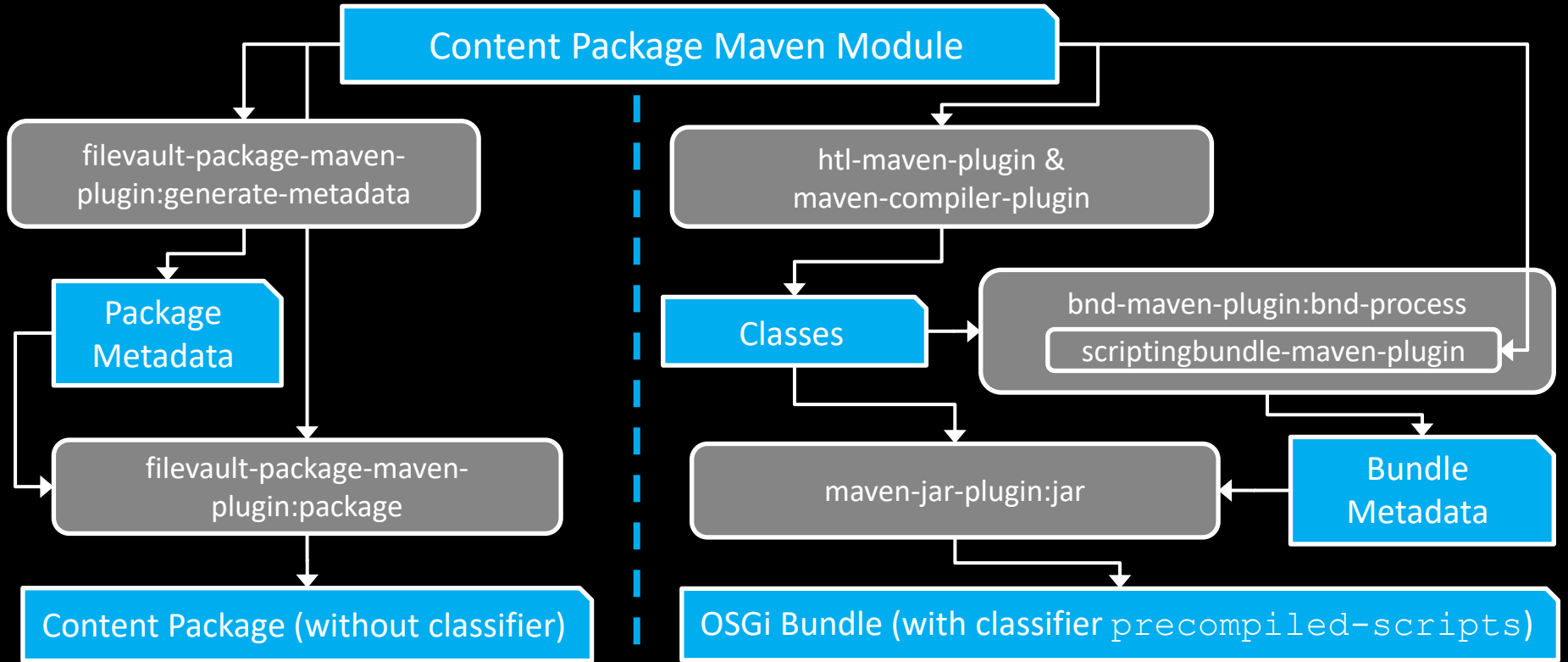
1. Scripts (Bundle)
2. Component definition (Bundle + Content Package)
3. Dialog Definition (Content Package)

Separating components over multiple Maven modules violates “Low coupling, high cohesion” principle

Solution: Build content package and bundle from same Maven module

- **Require-Capability:** `sling.servlet`
 - For all referenced resource types
 - Resource's super type or data-sly-use
 - **Generated** from FileVault DocView properties `sling:resourceSuperType` and `sling:requiredResourceTypes` (`String[]`)
- **Provide-Capability:** `sling.servlet`
 - For all registered resource types
 - **Generated** from script location

New in
scriptingbundle-
maven-plugin
0.5.0



Demo

- Scripts contained in *both* content-package (*as HTL sources*) and bundle (*as classes*)
- AEM Project Archetype added support in version 31
- Start Level > 20 necessary
- **Requires** `scriptingbundle-maven-plugin` 0.5.0+

1. <https://experienceleague.adobe.com/docs/experience-manager-core-components/using/developing/archetype/precompiled-bundled-scripts.html>
2. <https://adapt.to/2020/en/schedule/paving-the-way-to-a-native-sling.html>
3. <https://adapt.to/2019/en/schedule/from-0-to-hero-in-under-10-seconds.html>
4. <https://sling.apache.org/components/scriptingbundle-maven-plugin/>
5. <https://github.com/apache/sling-org-apache-sling-scripting-bundle-tracker-it/blob/master/examples/org-apache-sling-scripting-content-package-with-bundle-attached>