AEM Packages and Vault - Pushing Content into the JCR

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Overview

AEM package overview

Mapping JCR nodes to a file system

Importing & Exporting content with FileVault

AEM's Package Manager

AEM Package Overview

AEM Package

A package is a zip file that contains JCR content in the form of a file-system. (vault serialization)
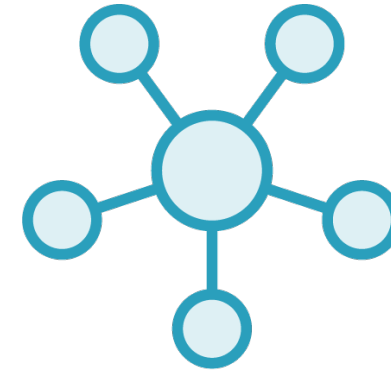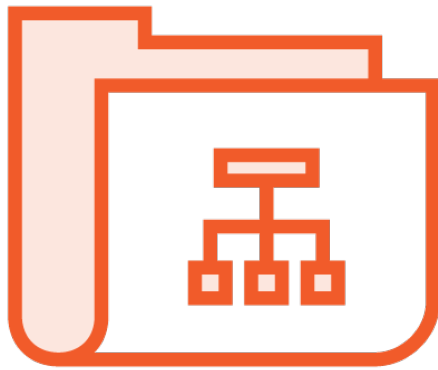
Java Content Repository (JCR)

Apache Jackrabbit Oak

Nodes with properties

AEM Package

Simple ZIP file with JCR content and meta information

After installation will become JCR nodes in AEM

Demo

Unzip Example-Node-1.0.zip

View contents of the package

Install Example-Node-1.0.zip

Compare JCR to File System

Importing & Exporting JCR Content
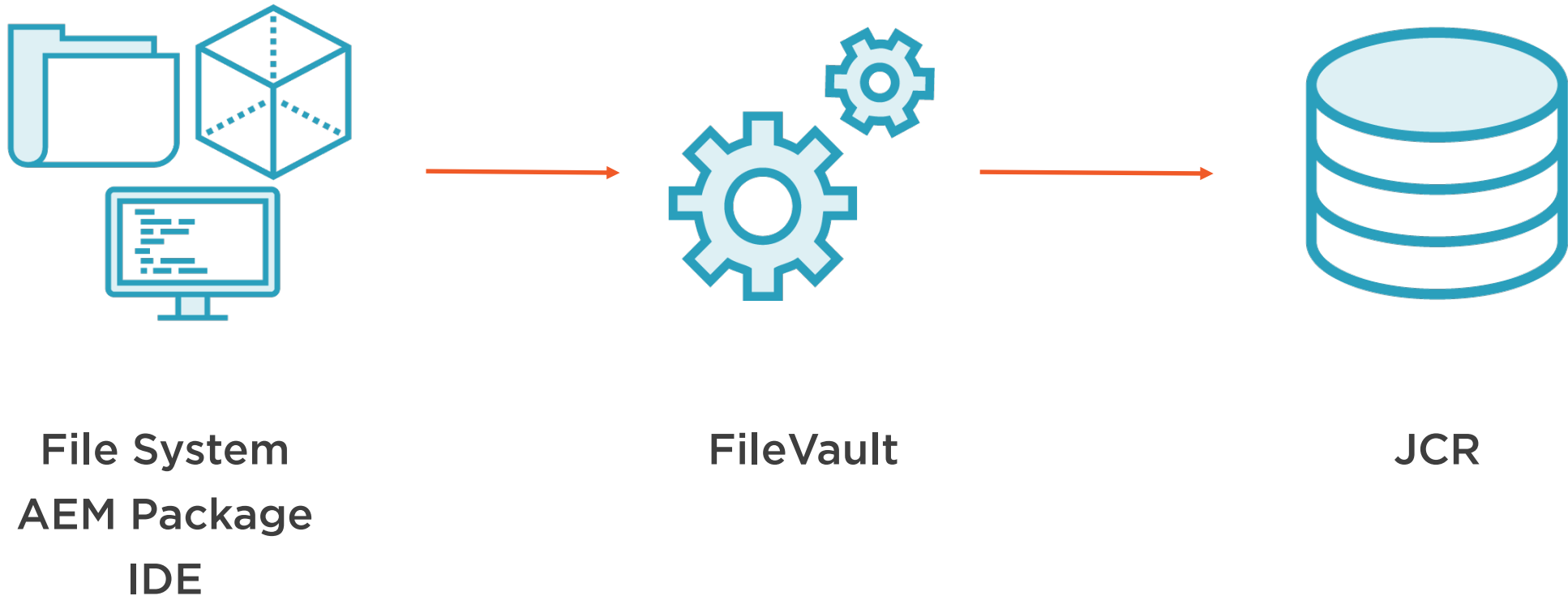
Import and export JCR content
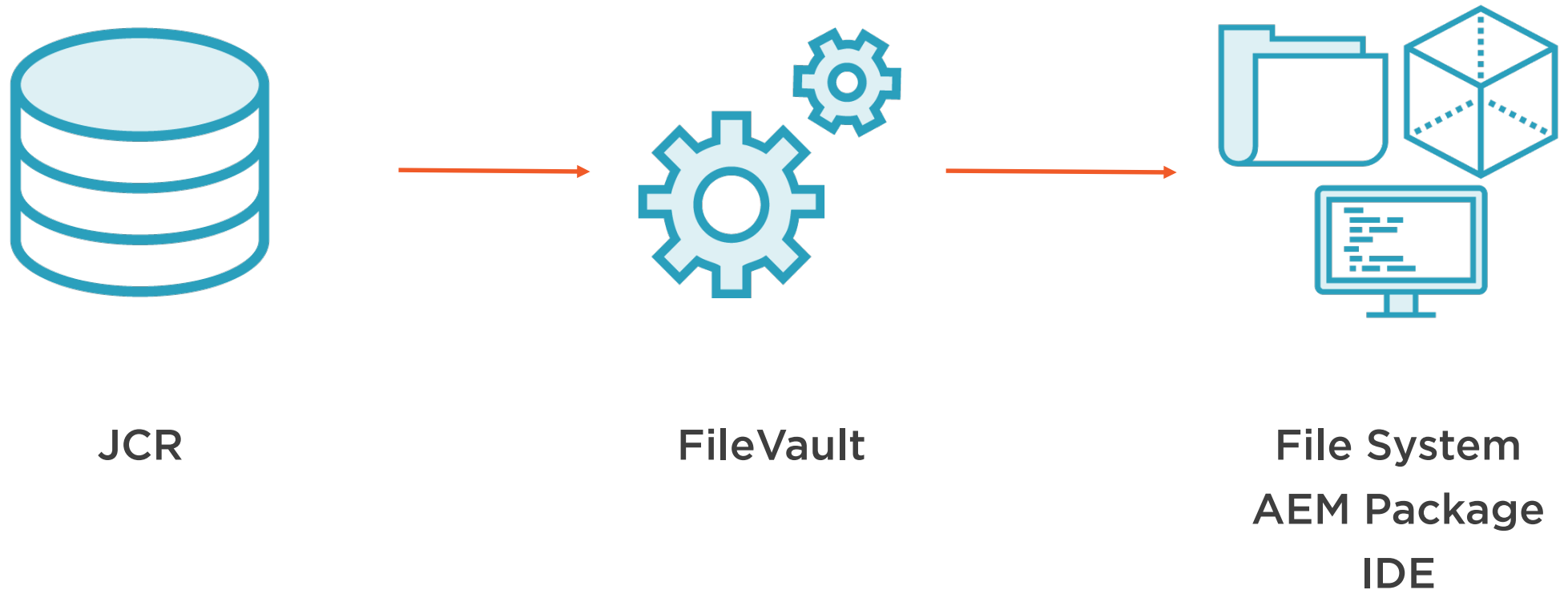
AEM's Package Manager

Command line tool

Plugins for IDEs

Apache Jackrabbit
Filevault

Importing Content to the JCR

File System

AEM Package

IDE

FileVault

JCR

Exporting Content from the JCR

JCR → **FileVault** → **File System**
AEM Package
IDE

Filevault Filters

Include specific paths

Exclude specific paths

Similar to source control like SVN

Checkout, import and export JCR content

JCR status

VLT – Command Line Tool

Demo

Export JCR

Add node property

Import JCR

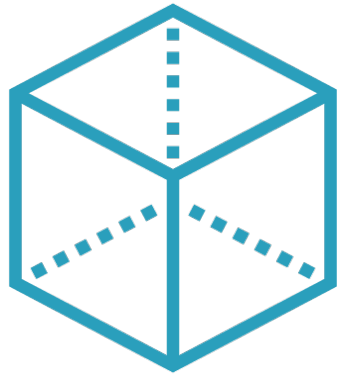VLT tool is not necessary to complete this course.
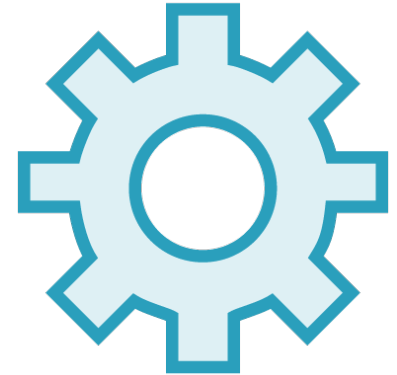
AEM's Package Manager

Package Manager

Upload and download packages

Create new packages from JCR content

View package properties and contents

API

Uploading vs Installing

Upload

Places our package inside of AEM.

Install

Installs the AEM package through FileVault.

Uses package's filters to map to appropriate paths in the JCR.

Creates, updates and possibly removes nodes and the JCR.

Deleting vs Uninstalling

Delete

Removes package.

Does not remove any content from the JCR.

Uninstall

Does not remove package.

Removes nodes from the JCR that are mapped in the package.

Building
Packages

Name

Version

Group

Filter

Bookmarks will save time.

Demo

- Overview of Package Manager
- States of a package
- Package operations
- Build package

Summary

AEM package

Importing and exporting JCR content

VLT tool

Package Manager