

IGeLU 2015 Developers Day

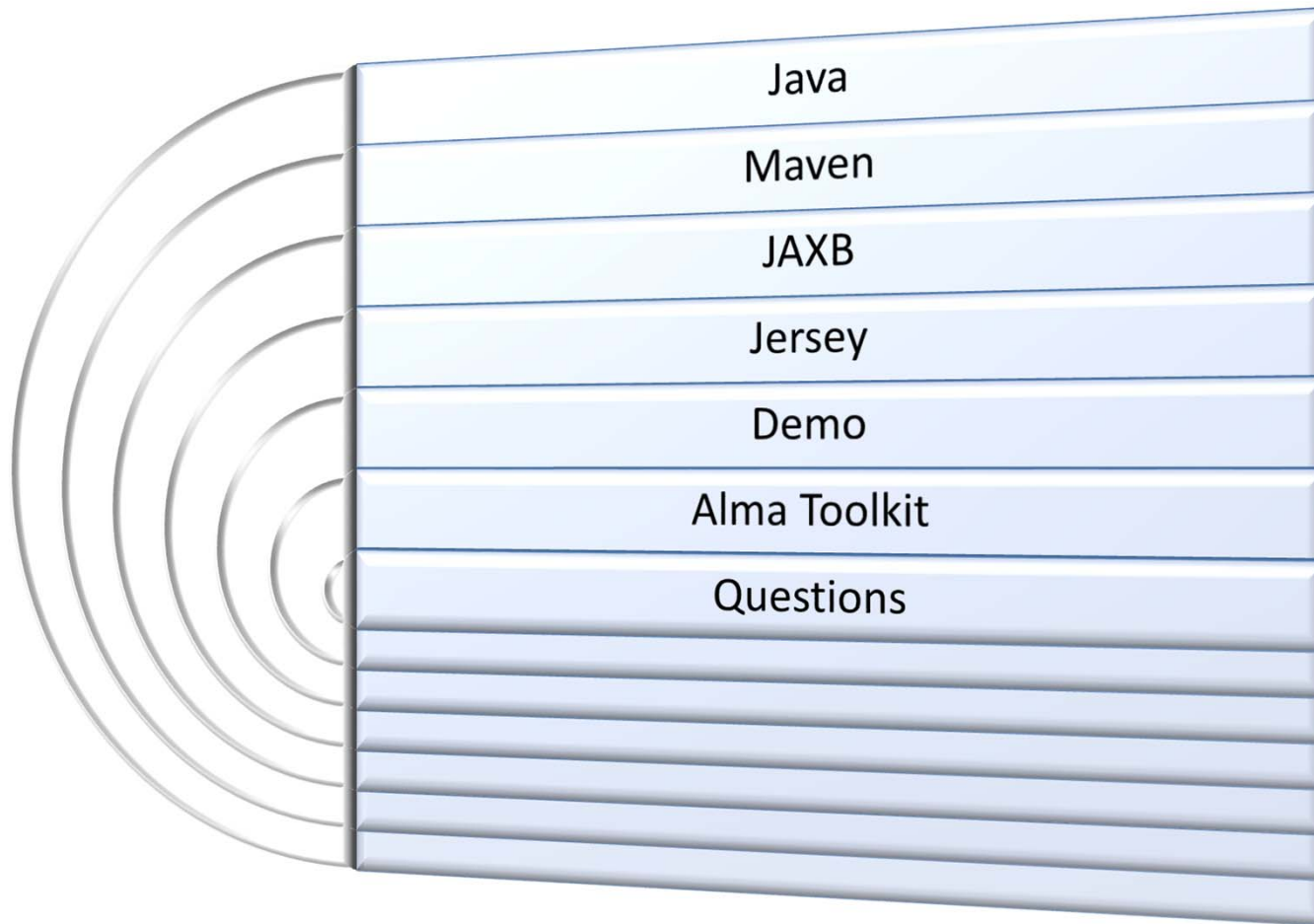


Alma APIs using Java, Maven, JAXB and Jersey

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Introduction



Java

Development Language/Platform

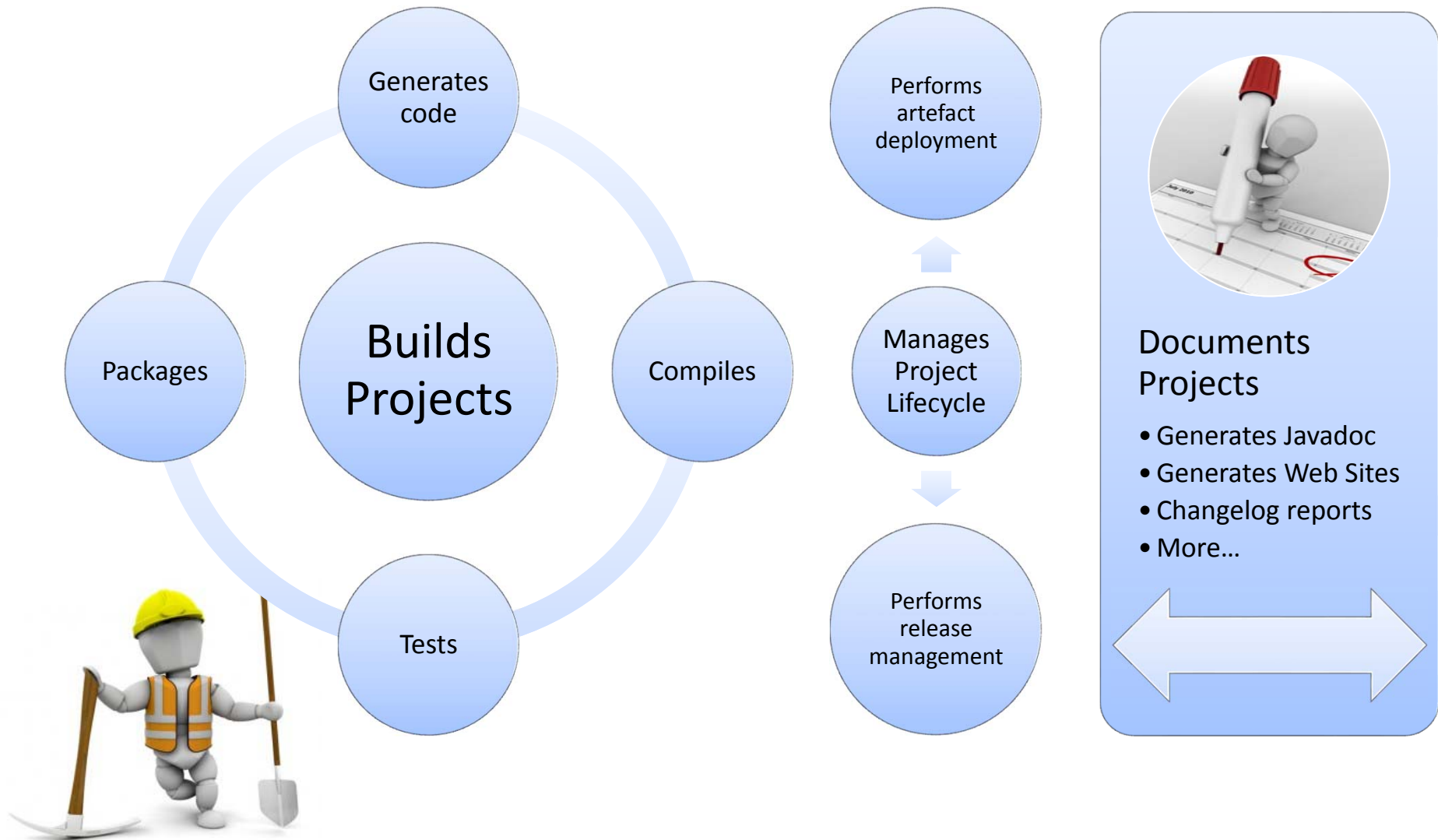


1. Popular
2. Broad toolset support
3. Dependencies at App level
(excluding JRE/App Server)
4. Common IDEs



Maven

Software Build and Comprehension Tool



Maven

Software Build and Comprehension Tool



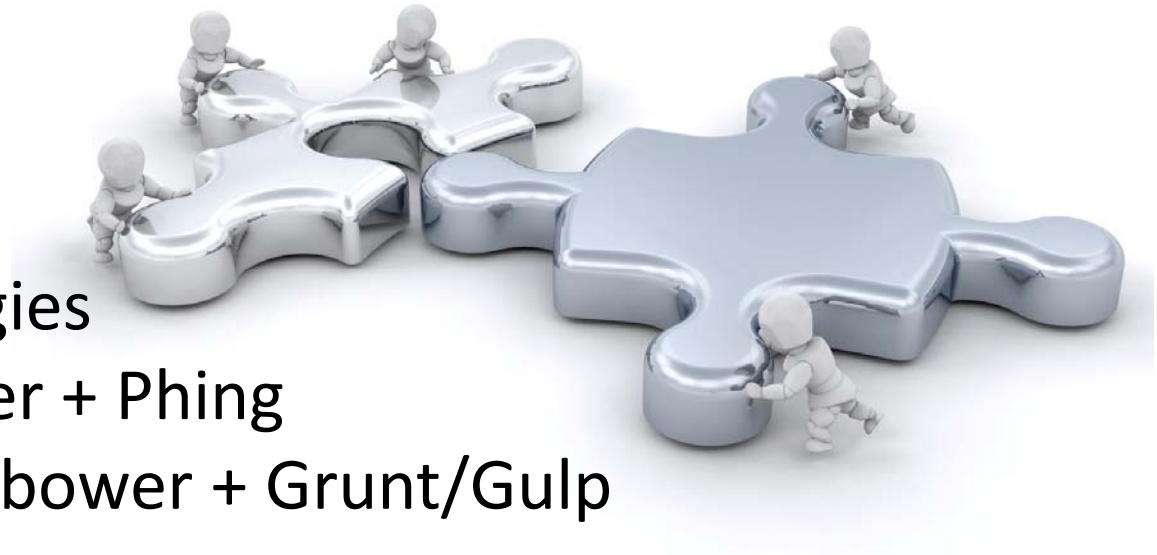
The Metadata!!

1. Allows support for other dependency tools

- Ivy
- Gradle
- Grape

2. Similar Technologies

- PHP: Composer + Phing
- NodeJS: npm/bower + Grunt/Gulp



Maven

General Information

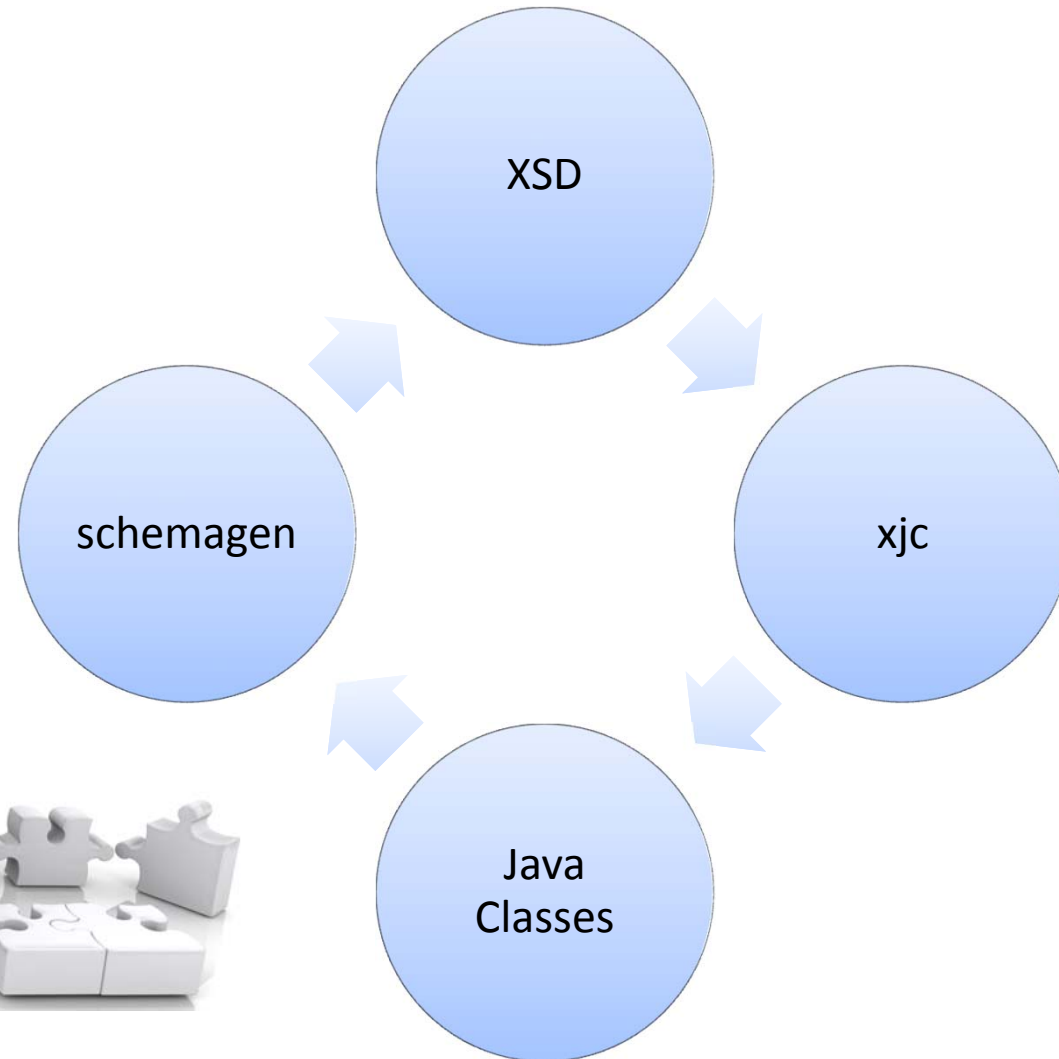
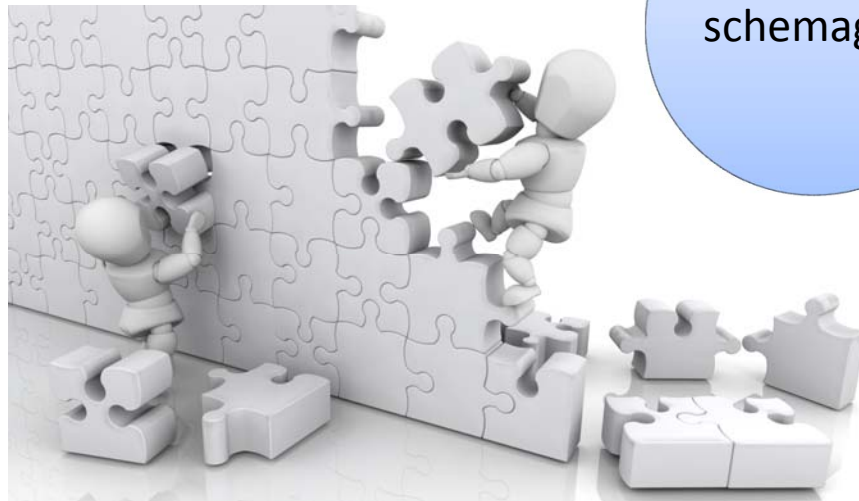


- Declarative
- Convention over configuration
- Highly customisable
- Plugin based
- Makes life easier
- Verbose, but just copy/paste



JAXB

Java API for XML Binding

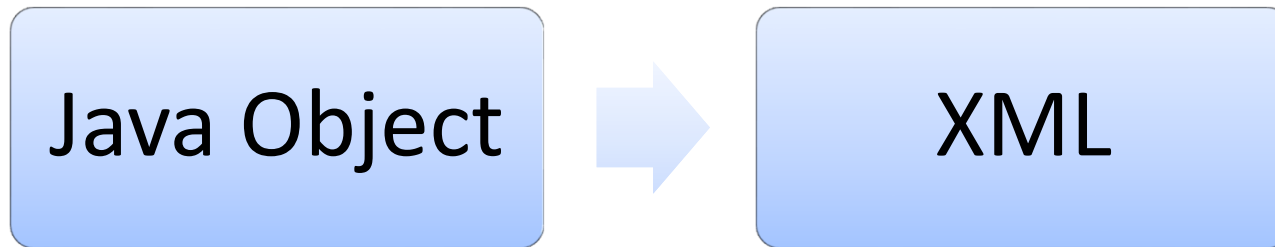


JAXB

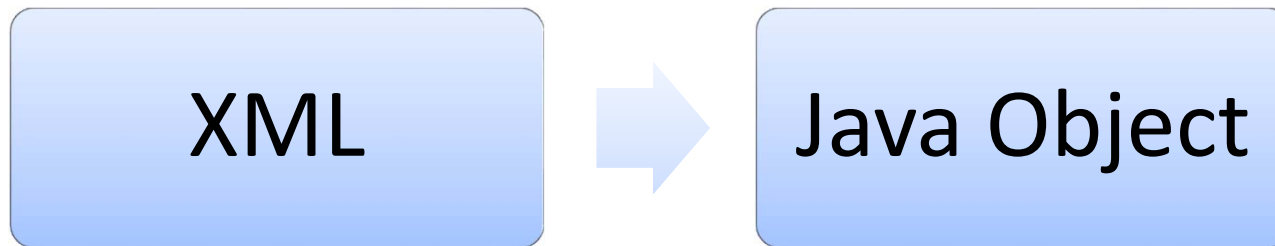
Instance Conversion



Marshal



Unmarshal



Jersey

JAX-RS (Java API for RESTful Web Services)



Framework for producing REST APIs (server)

Framework for consuming REST APIs (client)

Leverages JAXB

Demo will focus on client usage...



Demo

Live demo... Nothing can go wrong!



Demo code on GitHub:

<https://github.com/nishen/igelu-2015-demo>



Alma Toolkit Initiative



Who wants to help!?

Code on GitHub:

<https://github.com/nishen/alma-toolkit>



The End



Questions?

1. Java

<http://www.oracle.com/technetwork/java/>

2. Maven

<http://maven.apache.org/>

3. JAXB

<https://jaxb.java.net/>

4. Jersey

<https://jersey.java.net/>