

AUTOMATE XML PROCESSING WITH OXYGEN XML SCRIPTING

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Agenda

- What is Oxygen XML Scripting
- The toolbox
- The use cases

What is Oxygen XML Scripting?

- **Oxygen XML Scripting** is a new licensing model that offers access to a set of command line tools
- Can be executed from CI/CD pipelines

Continuous Integration (CI)

- Developer's changes are validated by creating a build and running automated tests against the build.
- Puts a great emphasis on testing automation to check that the application is not broken whenever new commits are integrated into the main branch.

Continuous Delivery

- You also have automated your release process and you can deploy your application at any point of time by clicking on a button.

Oxygen XML Scripting Toolbox

- DITA Validate and Check For Completeness - *validateCheckDITA.sh*
- DITA Translation Package Builder - *translationPackageBuilder.sh*
- Transform - *transform.sh*
- Batch Converter - *batchConverter.sh*
- Compile Framework Script - *compileFrameworkScript.sh*
- XSLT Stylesheets Documentation – *stylesheetDocumentation.sh*
- XML Schema Documentation - *schemaDocumentation.sh*
- XML Instance Generator – *xmlGenerator.sh*
- Flatten XML Schema – *flattenSchema.sh*
- WSDL Documentation – *wSDLDocumentation.sh*

Where are they?

- Download **Oxygen All Platforms** distribution
- *[oxygenInstallDir]/scripts*
- Don't forget the *Oxygen XML Scripting* license

DITA Validate and Check For Completeness

- Make sure your maps and topics are valid
 - all of the relationships between them are working
 - there are no unreferenced keys or reusables
 - there are no profiling conflicts
- Starts from a DITA Map or **DITA-OT Project File**
- *[Demo]*

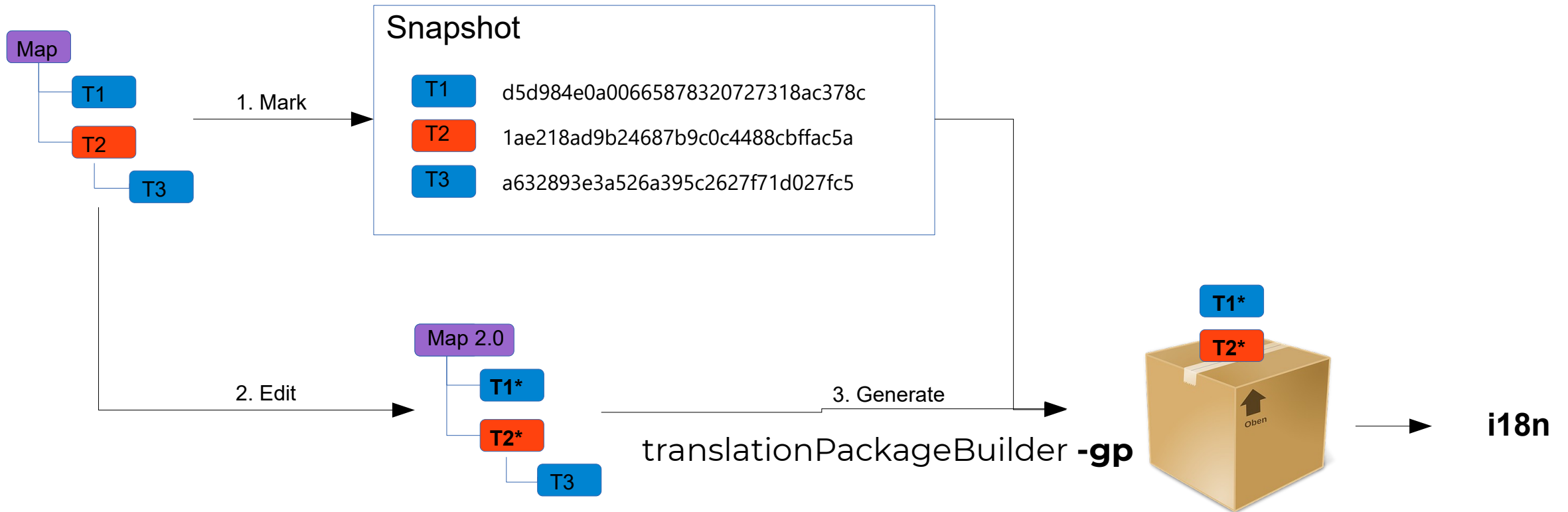
DITA Translation Package Builder

- Builds a translation package that can be sent to translators.
- Extracts the changed files back into your project once you receive the package back from the translators.
- It needs the [DITA Translation Package Builder addon](#)
- *[Demo]*

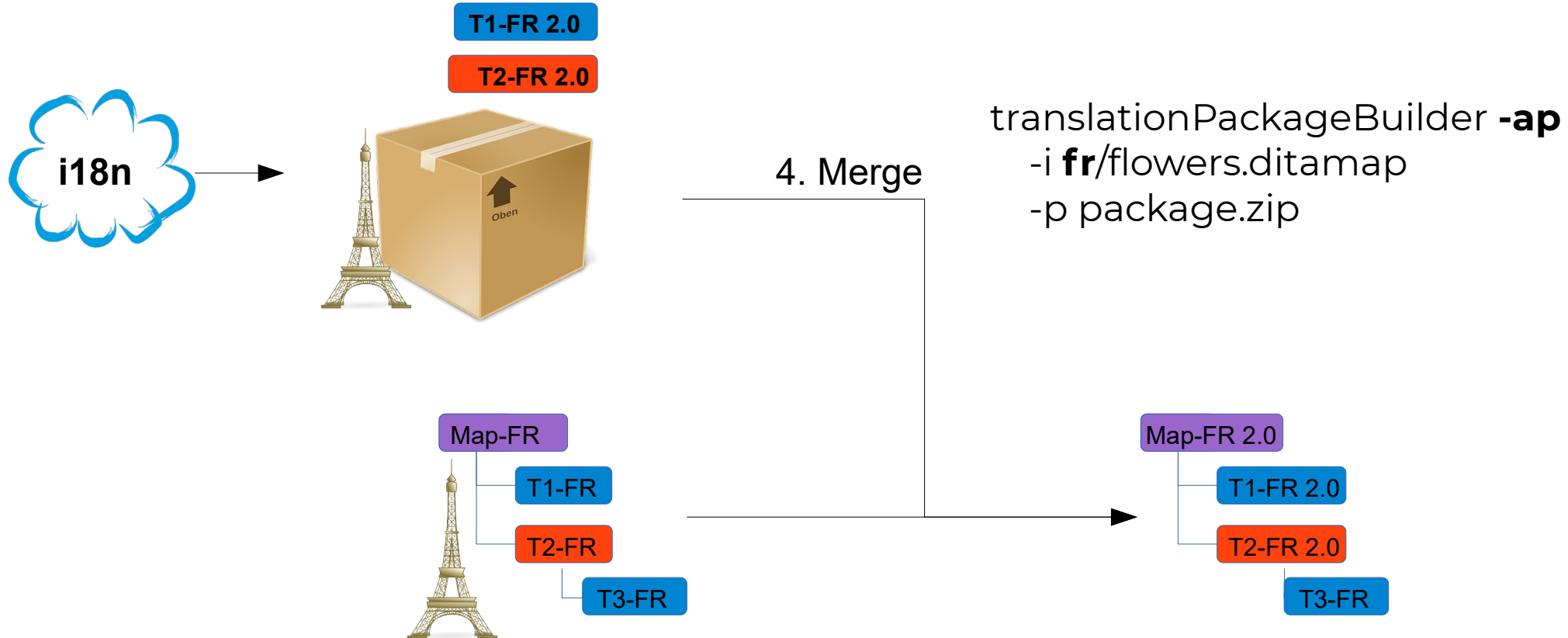
```
translationPackageBuilder -gp -i flowers.ditamap -p package.zip
```

DITA Translation Package Builder

translationPackageBuilder -gm



DITA Translation Package Builder



Transform

- Executes an Oxygen transformation scenario.

```
sh scripts/transform.sh -i inputFile -sn scenarioName [-s scenariosFile] [-v]
```

Batch Converter

- Converts between many formats:
 - HTML to DITA
 - Markdown to DITA
 - Excel to DITA
 - Word to DITA
 - XML to JSON
 - JSON to XML
 - HTML to XHTML
 - Markdown to XHTML
 - Word to XHTML
 - HTML to DocBook4 / DocBook5
 - Markdown to DocBook4 / DocBook5
 - Word to DocBook4 / DocBook5
- It needs the [Batch Converter addon](#)

```
batchConverter -i cherryBlossom.docx -if word -of dita -o .
```

Generating documentation

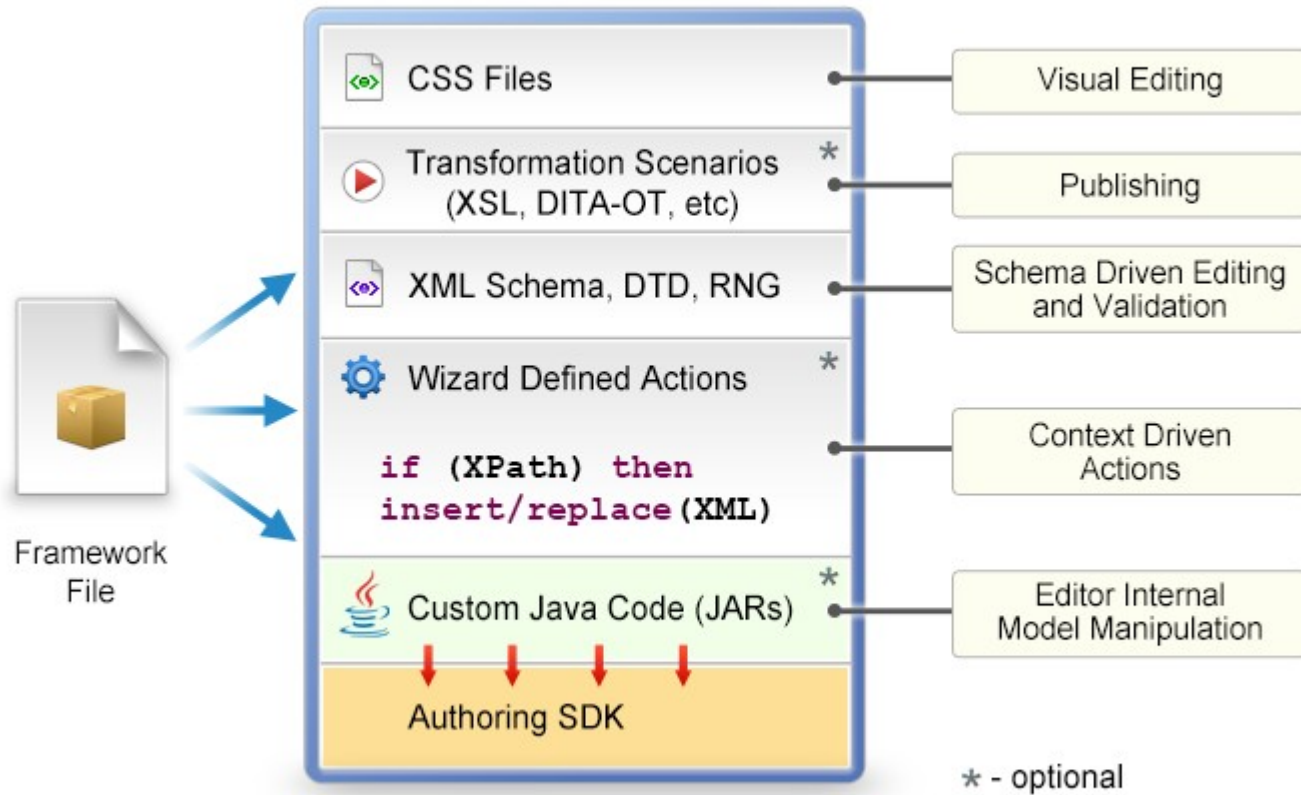
- XSLT Stylesheets Documentation – *stylesheetDocumentation.sh*
- XML Schema Documentation - *schemaDocumentation.sh*
- WSDL Documentation – *wsdlDocumentation.sh*

```
stylesheetDocumentation xslDocHtml.xsl -format:html -out:out/doc.html -split:location
```

Other

- Compile Framework Script - *compileFrameworkScript.sh*
- XML Instance Generator – *xmlGenerator.sh*
- Flatten XML Schema – *flattenSchema.sh*

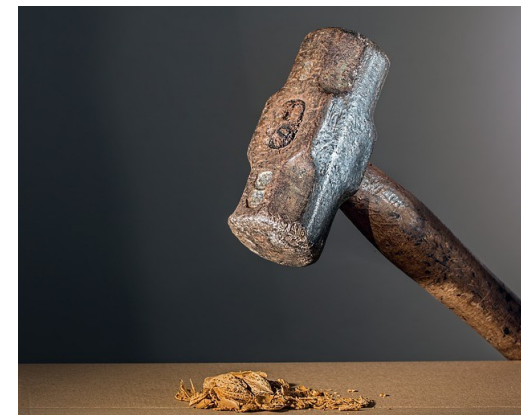
The framework concept



compileFrameworkScript -i .

Continuous Integration (CI)

- [GitHub\(Storage\)](#) + [Netlify\(CI & Hosting\)](#) + [SonarCloud](#)
 - DITA validation and checking for completeness
 - DITA Translation Package Builder
 - XSLT Documentation
 - WebHelp Responsive via [Oxygen Publishing Engine](#)



THANK YOU!

Any questions?

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