



A-Jour  
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*XML Information Architecture  
& Content Management Solutions*

# **oXygen + RWS Custom Plugin**

# Overview

- ▣ Customization objectives
- ▣ General approach
- ▣ Extending the RWS framework
- ▣ Authoring customizations
- ▣ Customized DITA-OT

# Customization objectives

The business needed a tool that would:

- ▣ Work seamlessly with RWS Tridion Docs
- ▣ Preserve all default oXygen DITA authoring functionality
- ▣ Perform custom validation of documents
- ▣ Use customized authoring aids
- ▣ Allow use of DITA-OT rendition for RWS documents

# General approach

- ▣ Duplicate & extend the RWS Tridion Docs DITA framework that extends oXygen DITA framework
- ▣ Framework-specific DITA-OT 1.8.5 instance
- ▣ New authoring extensions as needed
- ▣ All plugins and frameworks deployed via oXygen update

# Framework & extensions

- ▣ Initial framework created by duplicating and extending the RWS oXygen framework (*frameworks/trisoftdita*)
- ▣ Depends on libraries installed with RWS framework
- ▣ Custom Document Type Associations for custom framework
- ▣ Add new JARs, Schematron validation scenarios, etc from DTA menu

# Authoring extensions

- ▣ Customized Schematron (w/ Schematron QuickFix) for in-editor validation
- ▣ Extend and override ro.sync.\* classes for authoring environment changes:
  - .ecss.extensions.dita.DITASchemaManagerFilter
  - .ecss.extensions.dita.DITAExtensionsBundle
  - Various in ro.sync.ecss.extensions.commons.table.\*
- ▣ Plugin for adding custom code templates
  - ImposeOptionsPlugin, from the oxygen-samples-plugin bundle.

# DITA-OT customizations

- ▣ Bundled with the custom framework, in the framework install directory
- ▣ Modified to include static copy of RWS-customized DTDs
- ▣ Referenced by custom transformation scenarios included with framework
- ▣ Resolution of ish:// links and rendition without full export

# Reference

Any questions? Contact:

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