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Publishing DITA content reused in different context in EPUB and Eclipse Info Center by using DITA OT

DITAworks

DITA CMS FOR ENTERPRISE CONTENT SOLUTIONS

DITA Open Toolkit Day 2014
organized by <oXygen/>®

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DITAworks product line integrates DITA OT as one of the standard publishing engines

Webtop

DITAworks Webtop

DITA CCMS with web-based interface.

Pro

DITAworks Pro

Desktop CCMS to manage complete DITA content lifecycle out of the box

Cloud

DITAworks Cloud

A completely hosted DITA CCMS at your fingertips

Model

DITAworks Model

DITA Specialization made easy with visual support

- Publishing to many formats like PDF, XHTML, ODT, EPUB,...
- Focus on EPUB and Eclipse help (info center)
- Publish context based content / context reuse

Context based publishing with DITA OT based on example of ice hockey rulebooks

- There are two major ice hockey leagues:
  - International Ice Hockey Federation (IIHF)
  - National Hockey League (NHL)

- Most of the rules (content) are the same, only few differences:
  - Ice Hockey organization name
  - Ice Hockey organization name short
  - Dimension area image (rink image) [1]

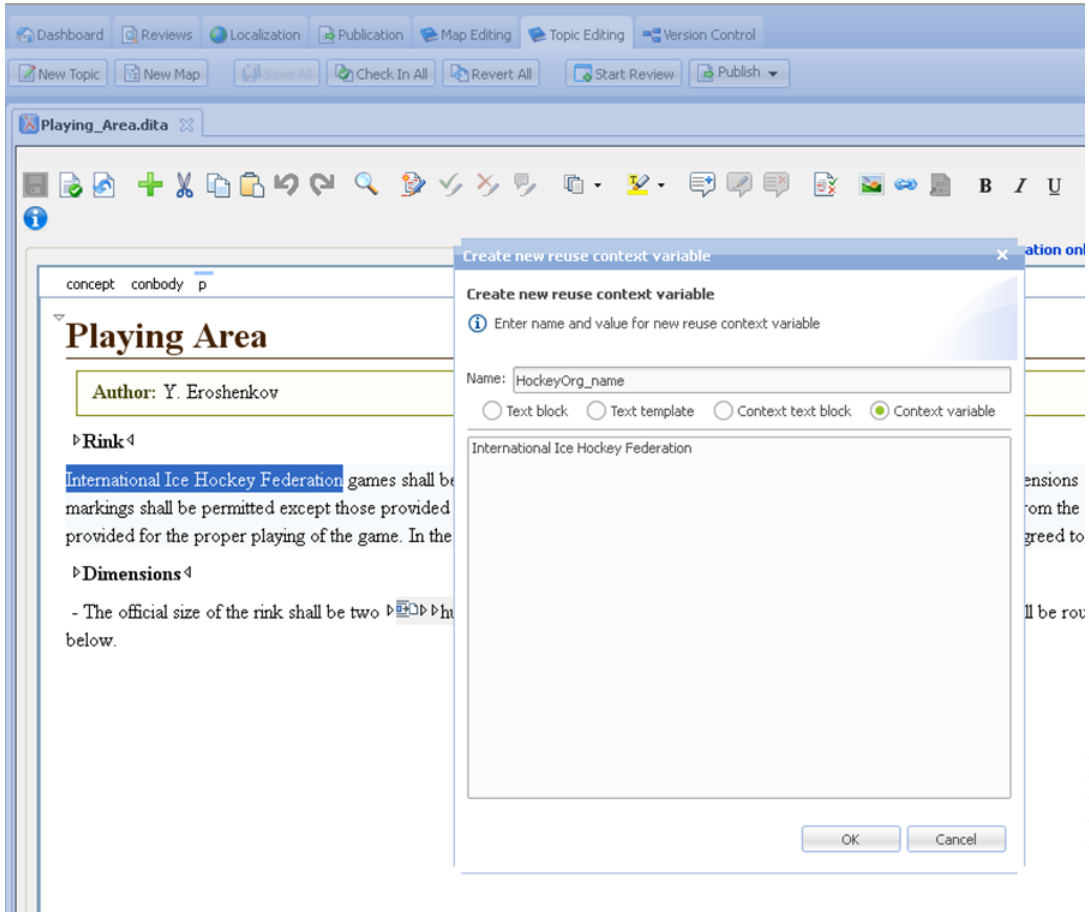
- Objectives:
  - minimize amount of redundant content
  - Create EPUB and Info center style deliverables

[1] *Ice Hockey rink diagrams are redesigned from Wikimedia Commons file licensed under CC BY-SA 3.0 http://creativecommons.org/licenses/by-sa/3.0/*

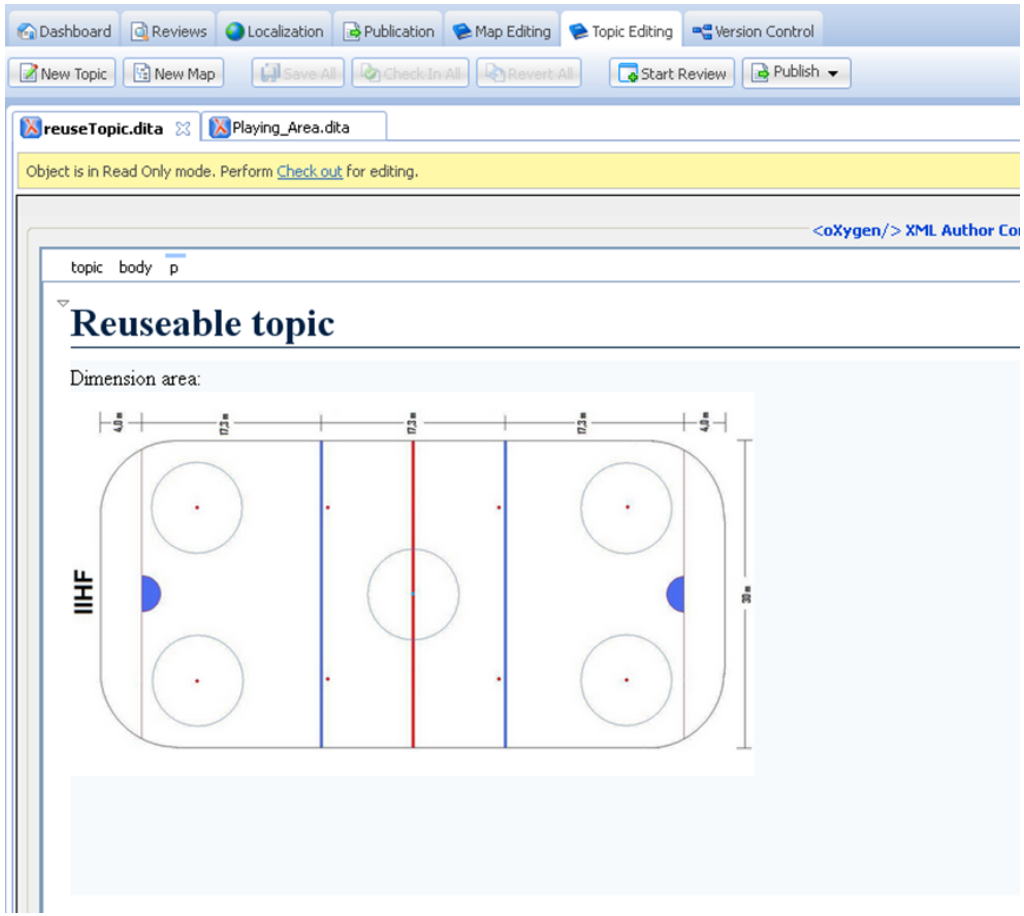
Create content in DITA CMS with context variants, context variables and context text blocks

Context variants Context keys	NHL	IIHF
HockeyOrg_name	National Hockey League	International Ice Hockey Federation
HockeyOrg_short	NHL	IIHF
Rink image	link to paragraph with NHL rink image	link to paragraph with IIHF rink image

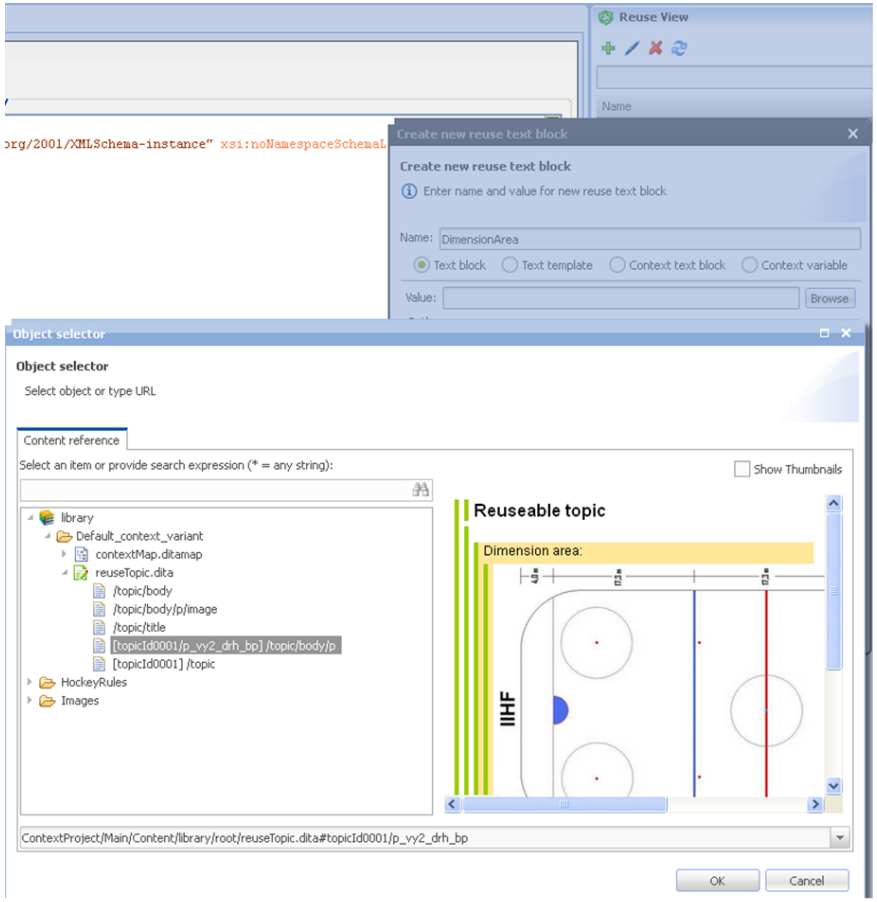
Start by creating context variables in reuse area of CMS



Create reusable content block in ReuseTopic.dita in context folder of the library

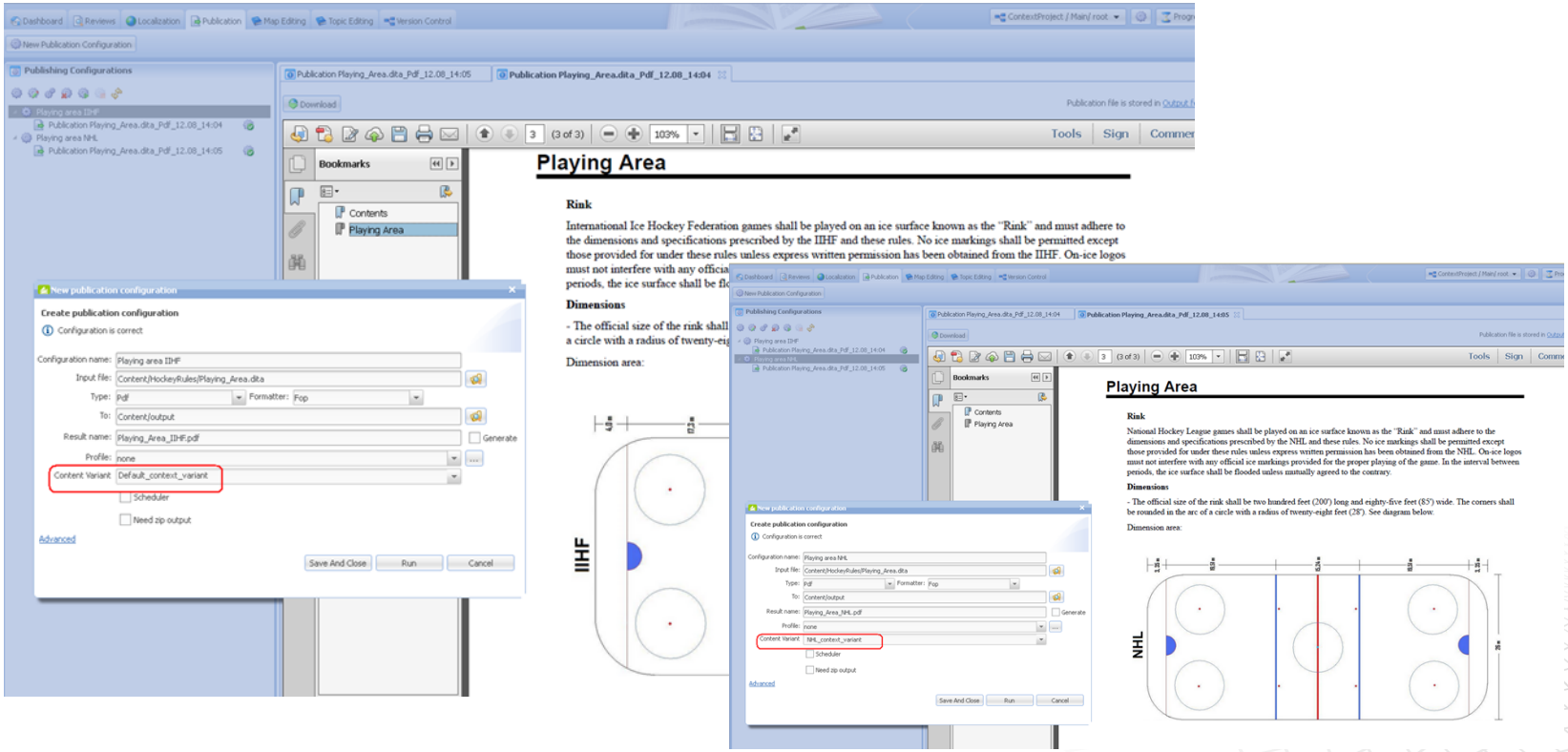


Create new reuse element "Context text block" in Reuse View of CMS

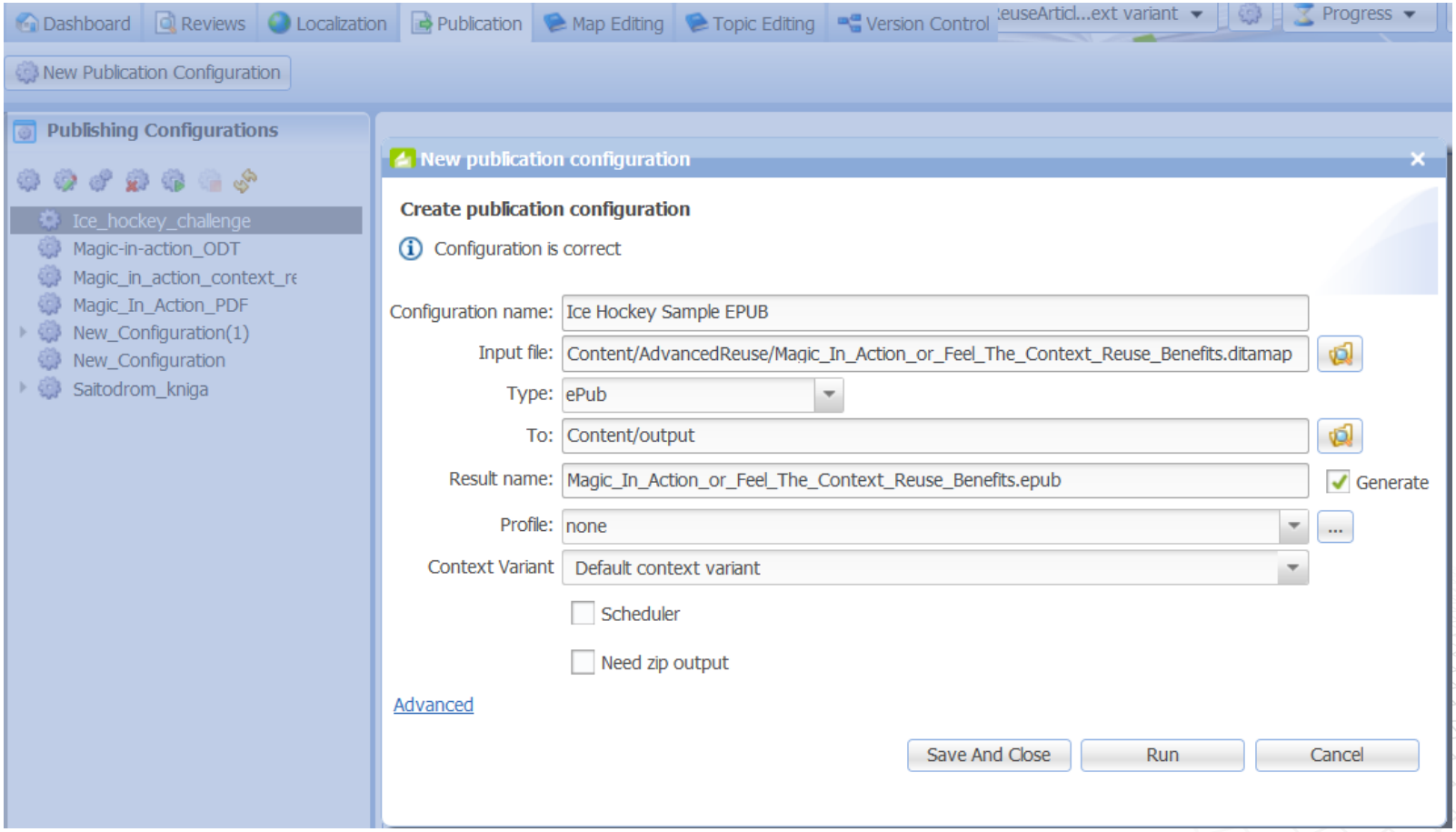


- Use context variables and text blocks for building content
- Create PlayingArea.dita topic and write content for the IIHF case
- Use same topic for NHL content but in different context

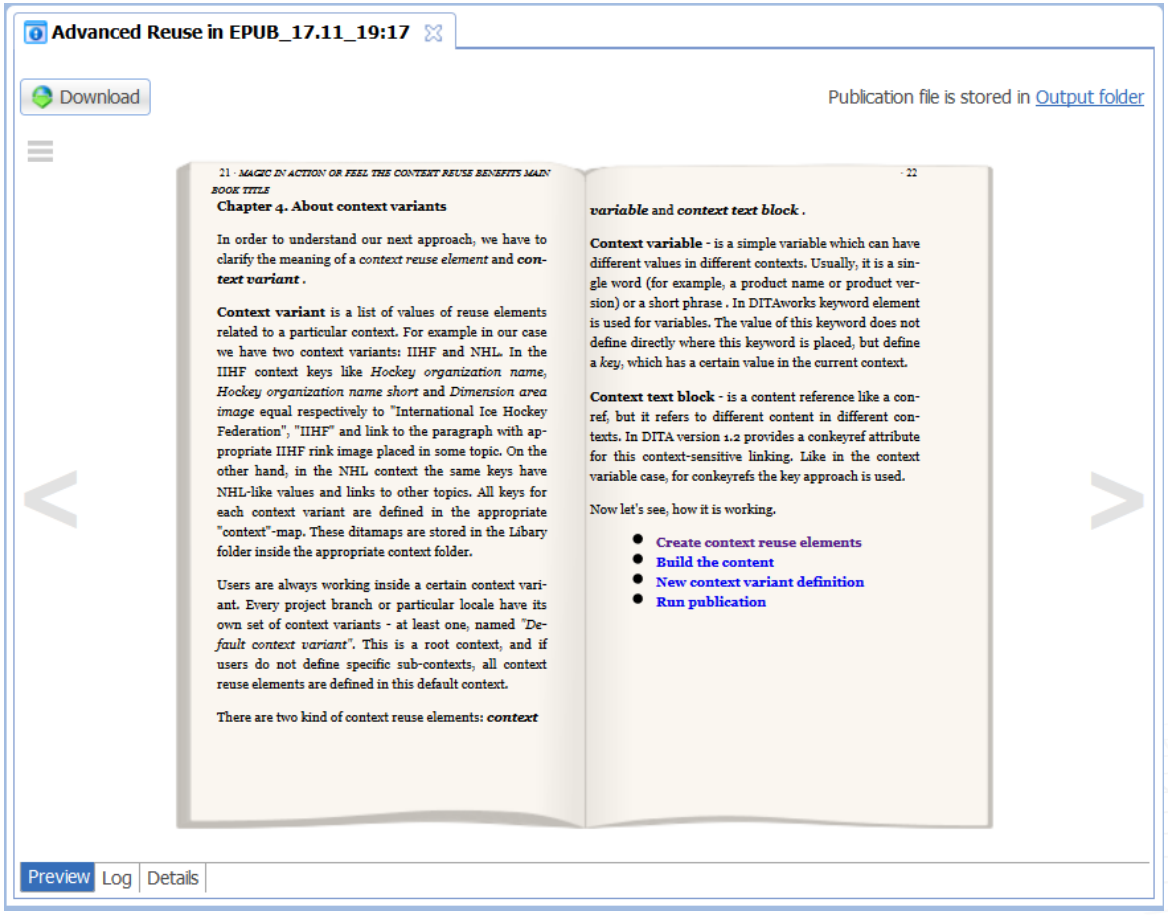
Now we can publish our content variants by just selecting the according context in the publishing profile



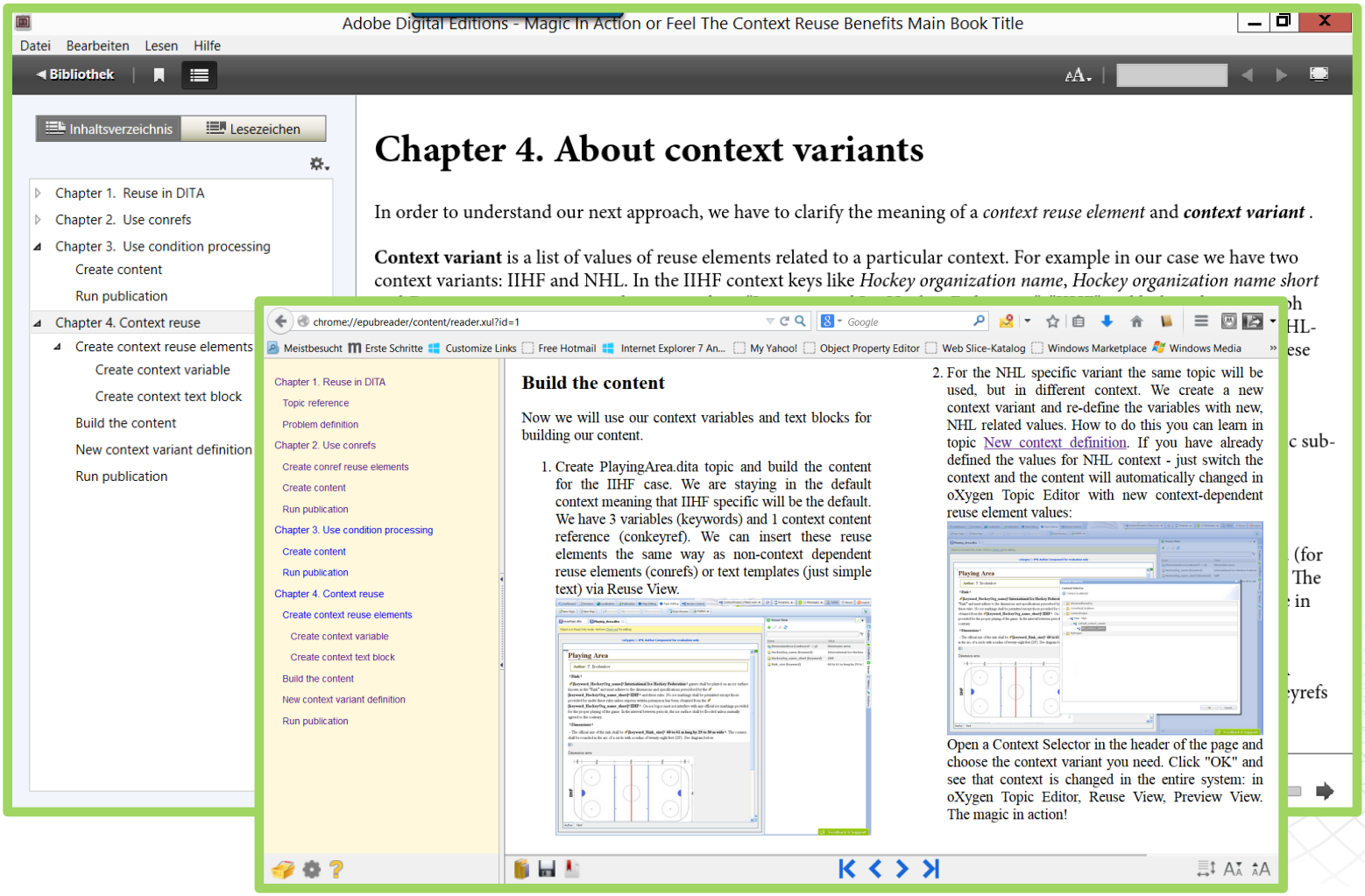
Create publication profile for EPUB



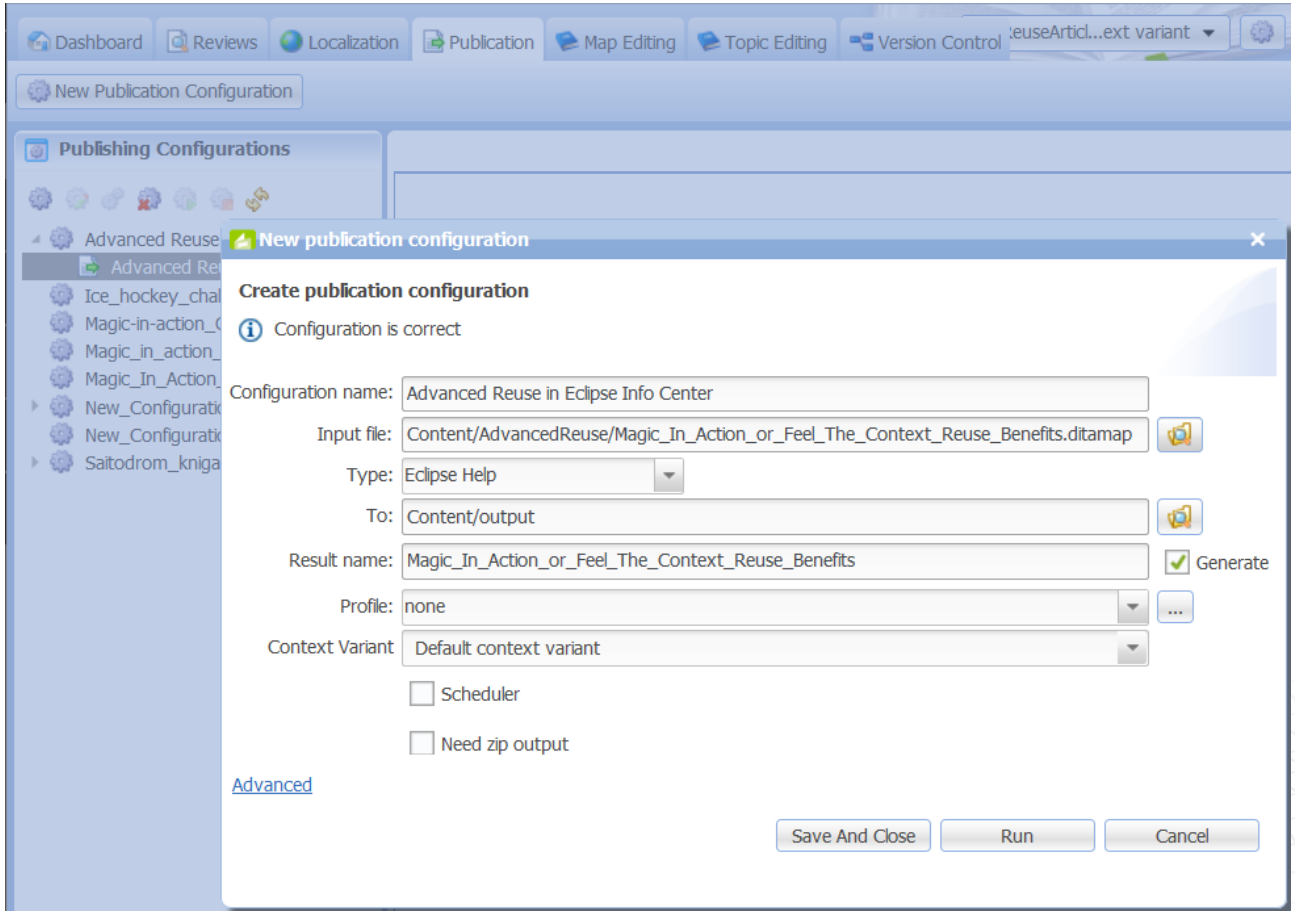
Result EPUB in DITAworks EPUB preview



Result EPUB in Adobe Digital Editions or Browser

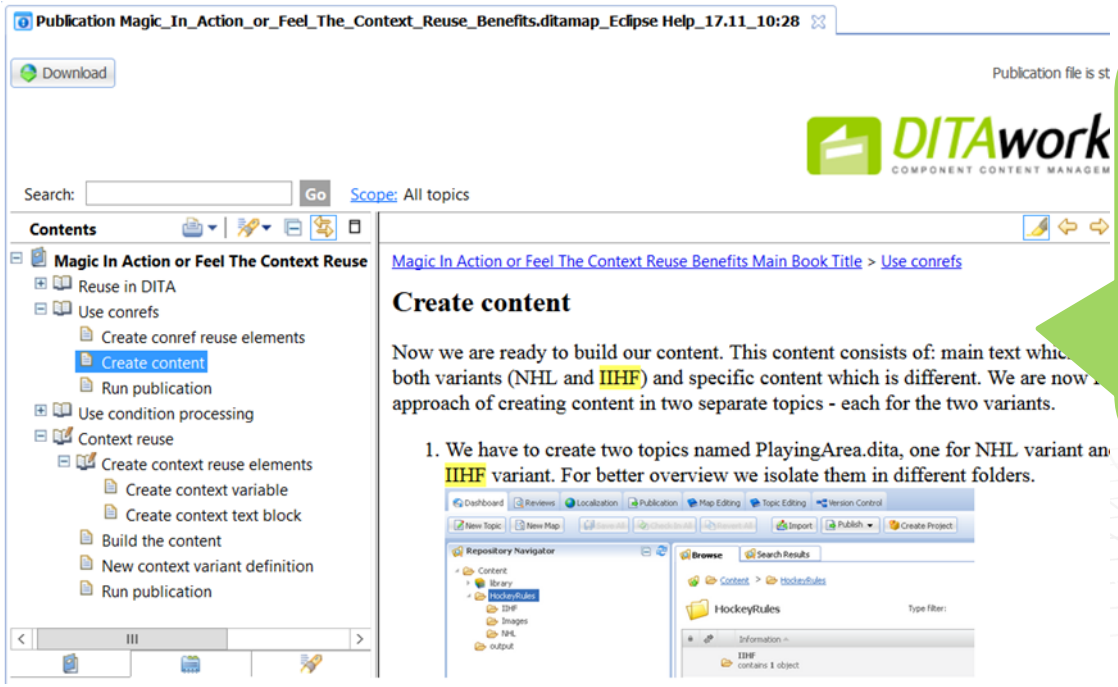


Create publication profile for Eclipse Help / Info Center



Result Eclipse Help in DITAworks Help Engine

- Result: Eclipse Plug-in (.zip with meta XMLs and content HTMLs)
- Eclipse web help engine or Eclipse app is needed to see the result
- DITAworks has embedded help engine



Our objectives have been met

- Minimize amount of redundant content
  - Major text parts for rule books are the same
  - Only context variables and context text blocks have to be changed for new variants
  - Changes for new variants only in form of new values for context keys
- EPUB and Info center style deliverables
  - EPUB by publication type “EPUB” and DITA OT with preview in DITAworks
  - Info center by publication type “Eclipse Help” and DITA OT with preview in DITAworks

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