



An XML-based edition publication model

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Content

Why would we want an EPM?

Other work

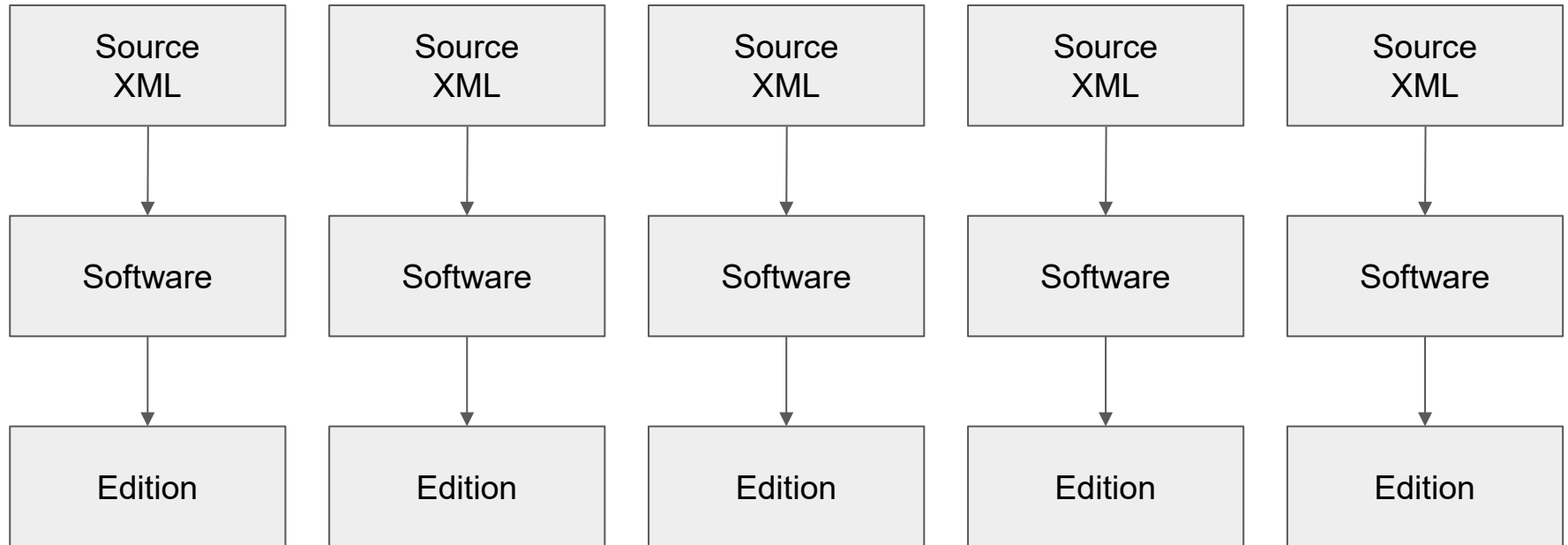
Requirements

State of affairs

What can you do?

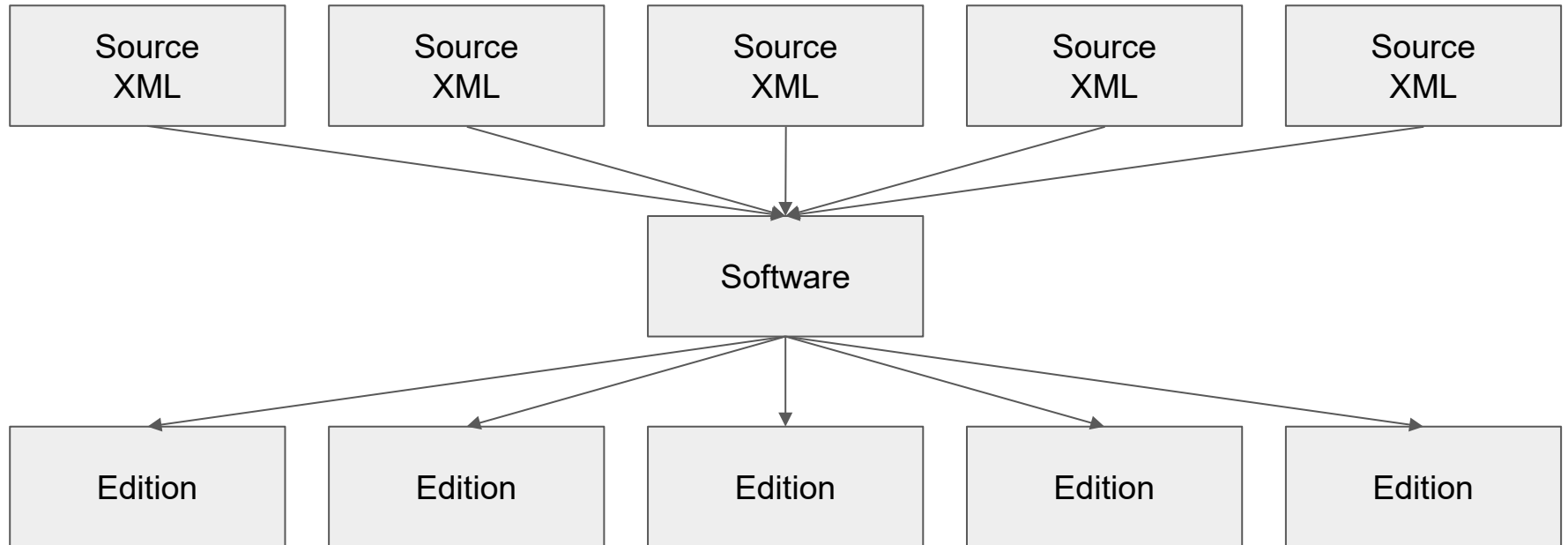


Source XML, software, editions - 1 : 1 : 1



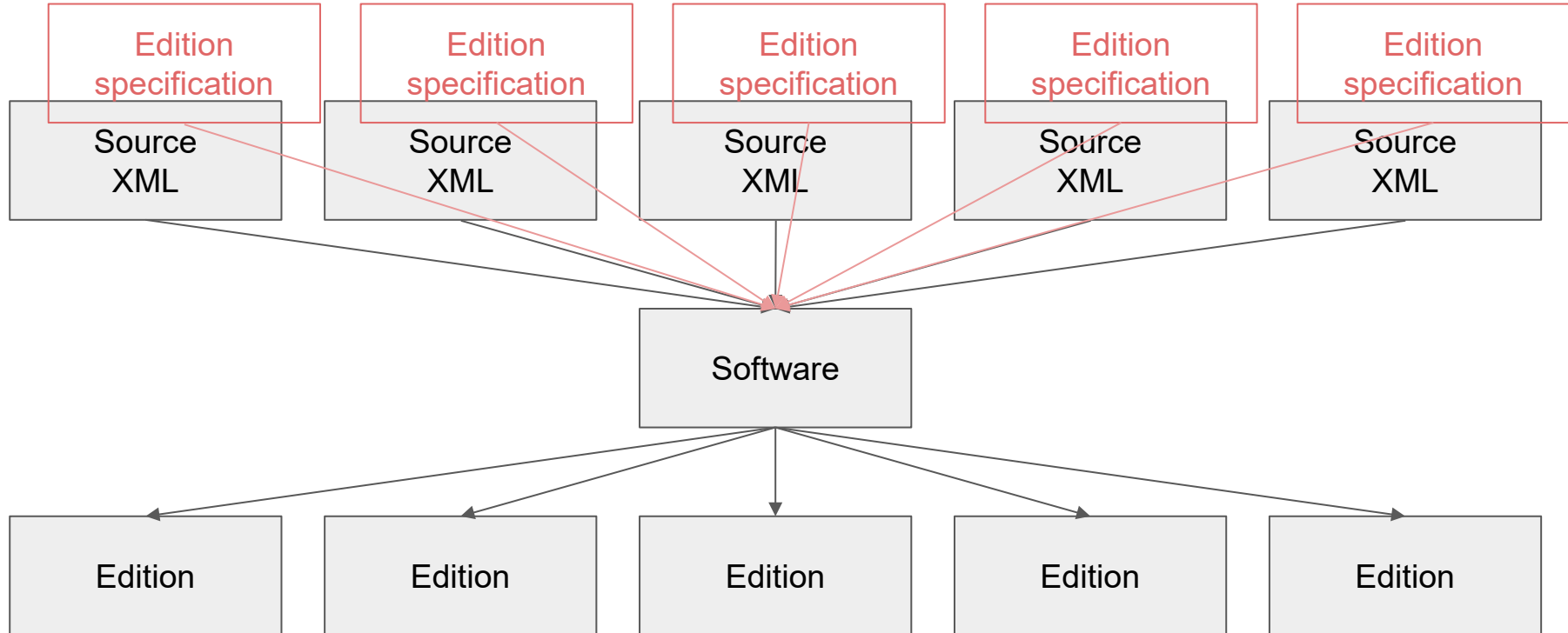


Source XML, software, editions - n : 1 : n - version 1





Source XML, software, editions - n : 1 : n - version 2





Edition specification: Ediarum manifest

Fechner 2018, 'A Standardized Interface for Digital Scholarly Editions'

Edition definition in Manifest

Edition software (Ediarum.WEB) as a Viewer, implementing the Manifest

Manifest contains: Metadata, Hierarchy, Objects, Filters, Presentation, Relations, ...

Implemented as appconf.xml in Ediarum.WEB (eXist application)

Transformations: implemented as XSLT scripts



Edition specification: TEI Processing Model

Turska, Cummings & Rahtz 2016. 'Challenging the myth of presentation in digital editions'.

Edition model: Behaviours

Flexible mapping between TEI elements and behaviours

Behaviour parameters

CSS hooks

Specified in ODD



Edition specification: HTML templates (TEI Publisher)

TEI Publisher implements TEI PM + extensions

HTML templates embed the output of PM processing

Text and image

Headers, menu's, login functionality

Web components



EPM aims

Facilitate complete specification of the content and behaviour of an edition

All functionality of modern digital editions

Completely declarative

Extensible

Modular

Chainable



What could an edition specification look like?

<https://gitlab.huc.knaw.nl/edition-publication-model/edition-publication-model>

Edition definition (1)

Site title

Ref to Schema processing model(s)

Content

Ref to CSS

Display units

Pages

Panels

Preprocessing definitions

Schema processing model (SPM) (n)

Ref to Schema processing model

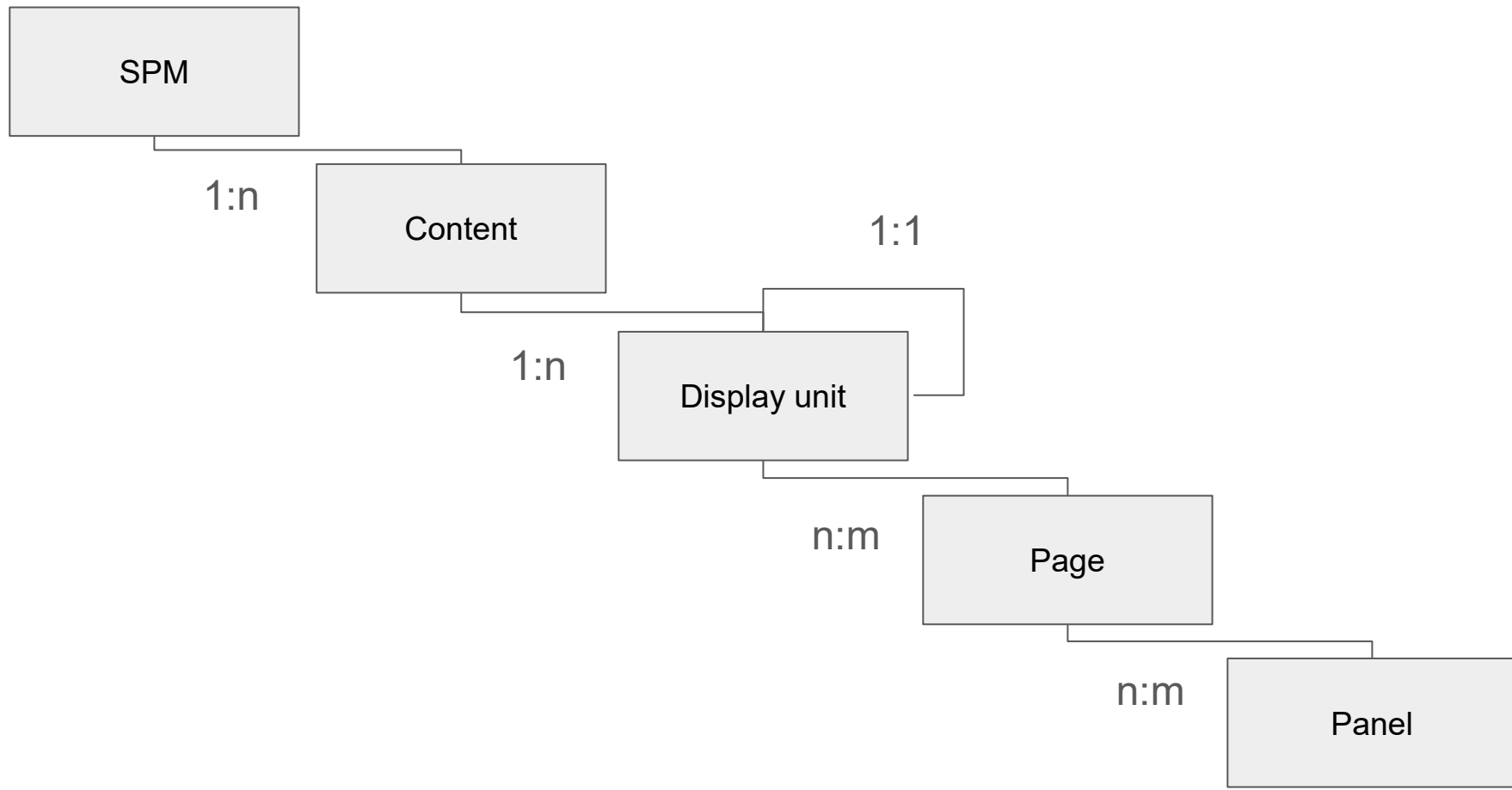
Default processing (TEI PM)

Processing blocks (TEI PM)

Panels



What could an edition specification look like?





TEI PM issues

Nested processing

<procBlock>s

callProcBlock behaviour

sortOrder behaviour

schemaProc vs. schemaSpec



Samples

Mondrian

Letters

Persons, artworks, bibliography, intro

Uses chaining and modularity

Data not public

<https://peterboot.nl/epm/>

Ystroom

Book-length poem (17th cent)

Very minimal edition

Single SPM

Data public

<https://peterboot.nl/epm/ystroom/>



EPM: What could you do?

Apply the existing model to your edition and tell what doesn't fit.

Create a shiny implementation in the context of an XML database.

Help model new aspects (search, facets, events & interaction, internationalisation)

Help implement new aspects

Destroy the model and start over