WORKING WITH DITA IN OXYGEN
ADVANCED PROFILING AND REUSE STRATEGIES

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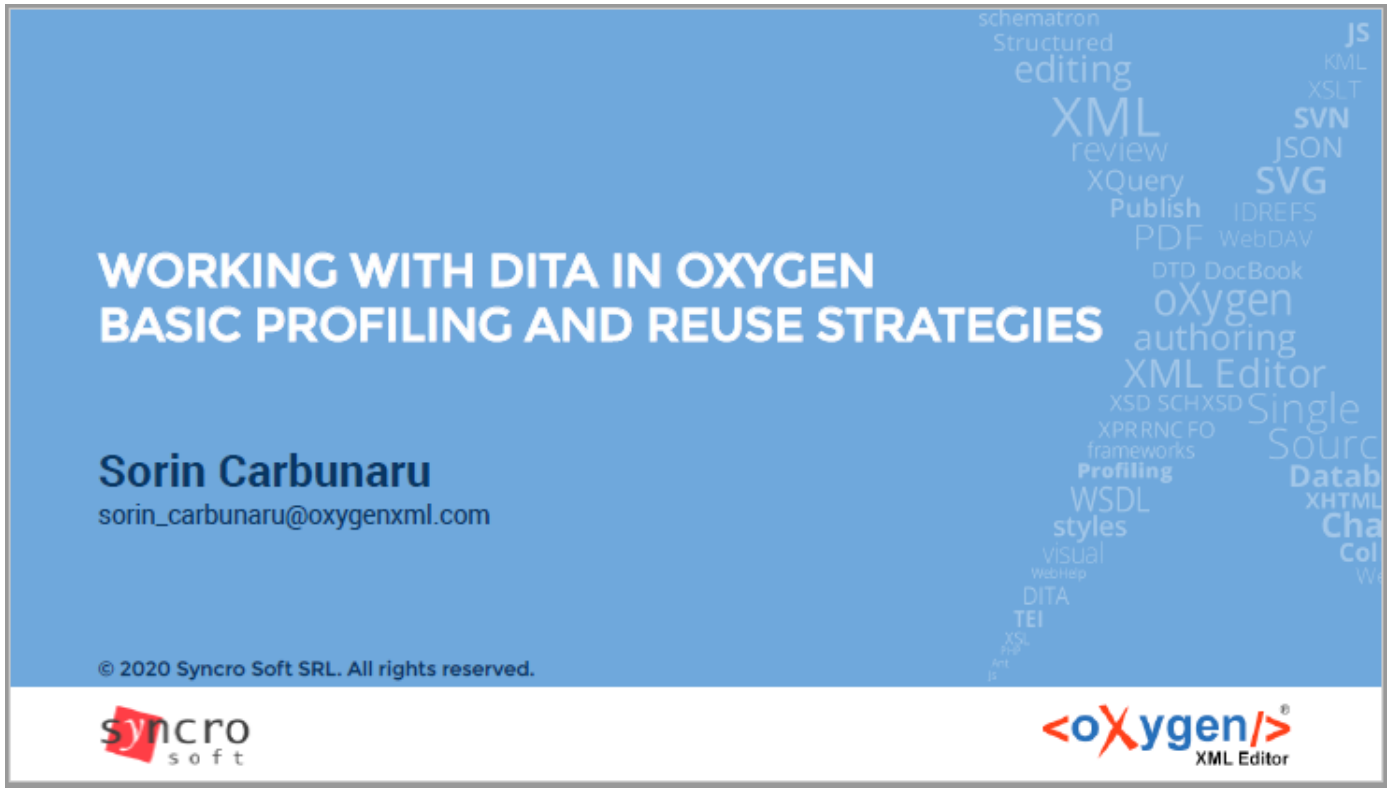
syncro soft

<oXygen/> XML Editor

Previously on “Working with DITA in Oxygen”...

oxygenxml

https://youtu.be/clHC_mlg1iA



Agenda

1. Conref ranges
2. Conref push
3. Profiling attribute groups
4. Subject scheme maps
5. Key scopes (DITA 1.3)
6. Branch filtering (DITA 1.3)

1. Conref ranges

- **Conref ranges** allow you to create a single referencing element that pulls the content from a range of DITA elements.
- The start and end elements must be of the same type as the referencing element, but the elements inside the range can be of any type.
- Conref ranges are created by using **@conrefend** in conjunction with **@conref** or **@conkeyref**.

2. Conref push

- This technique is used to reverse the direction of reuse from pull to push. The content from source topic A is inserted into topic B, relative to a target element that has the **@id** attribute set on it.
- With a push, the referencing element can be rendered *before*, *after*, or *in place of* the referenced element.
- The push technique is based on the **@conaction** attribute, which determines the location of the reused content.
- **Limitation:** it is not possible to push a range of elements.

3. Profiling attribute groups

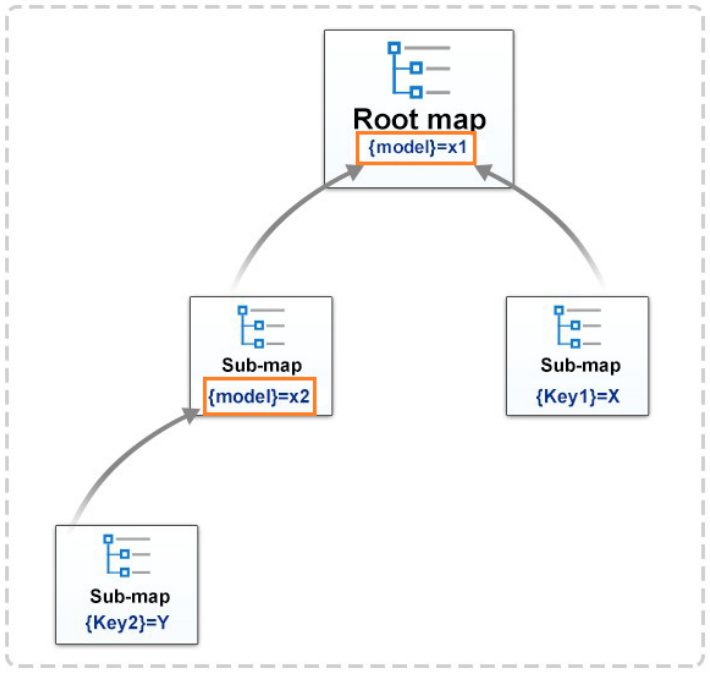
- **Profiling attribute groups** are intended for situations where a predefined profiling attribute applies to multiple specialized subcategories.
- E.g. @audience = { general, technician(software hardware) }
- A **major advantage** is that you do not need to add new profiling attributes using a schema specialization. You can reuse existing DITA profiling attributes (@audience, @product, @platform, @otherprops) and specify multiple attribute subcategories.

4. Subject scheme maps

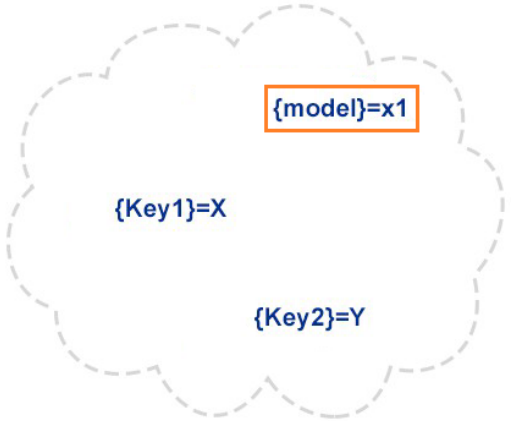
- A **subject scheme map** is a map specialization used to define sets of controlled values for use in classifying content.
- Sets of controlled values can be bound to DITA attributes, as well as element and attribute pairs.
- The controlled values can be shared without having to modify a schema, just by sharing the subject scheme map.
- One use case of subject scheme maps is to create and manage custom profiling values in DITA documents without having to write a DITA specialization.

5. Key scopes (1/2)

- All key definitions and key references exist within a key scope.
- Each **key scope** has its own **key space** that is used to resolve the key references that occur within the scope.



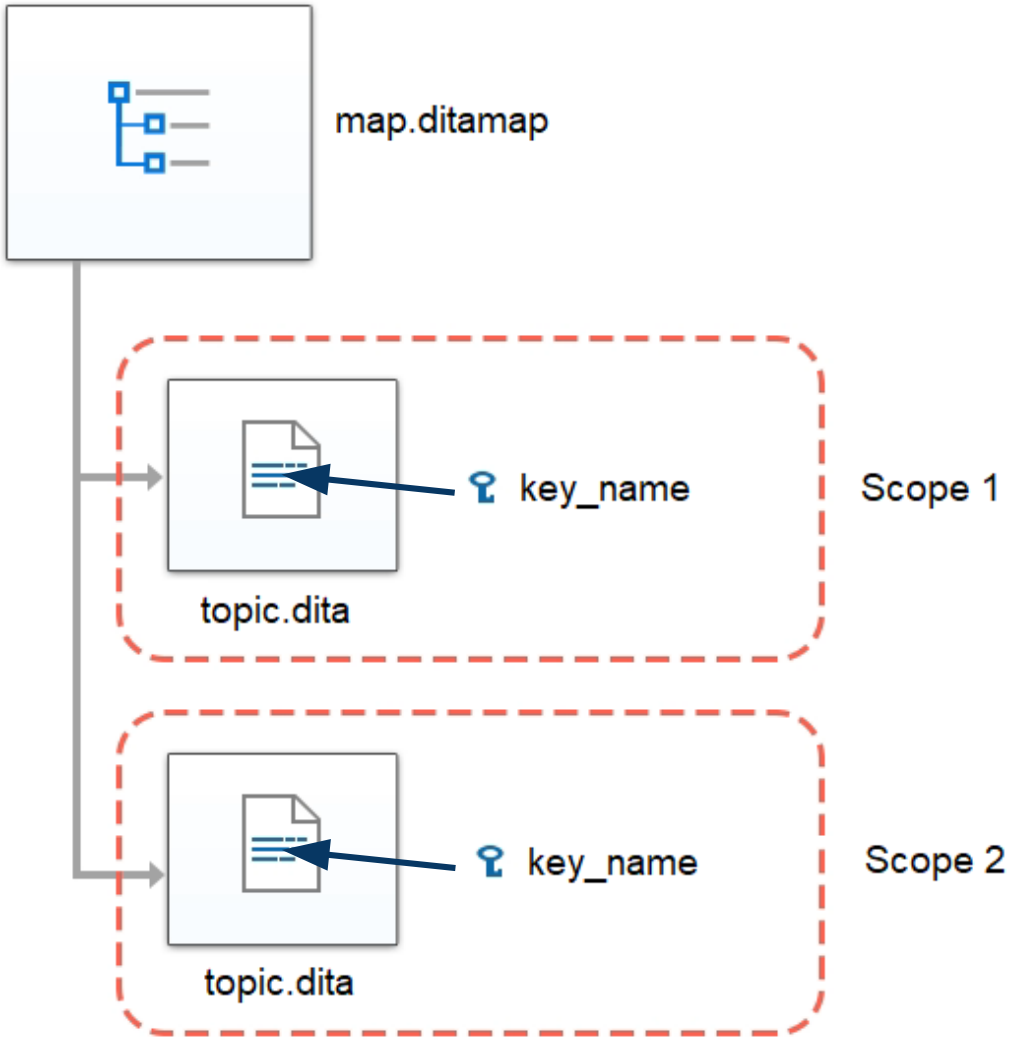
DITA Map hierarchy



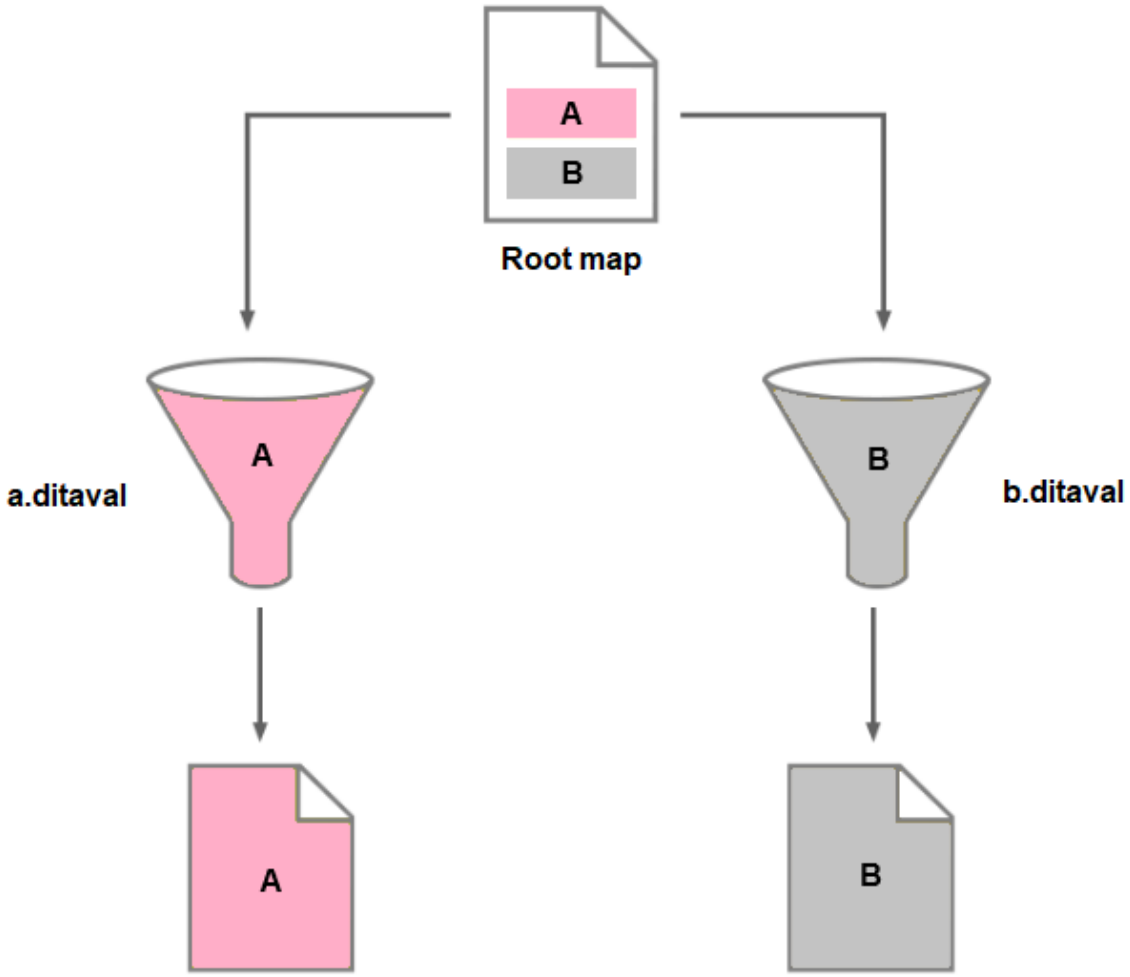
The key space of an unnamed, implicit key scope

5. Key scopes (2/2)

- Key scopes (DITA 1.3+) enable map authors to specify different sets of key definitions for different map branches.
- A key scope is defined by a **<map>** or **<topicref>** element (including specializations) that specifies the **@keyscope** attribute.



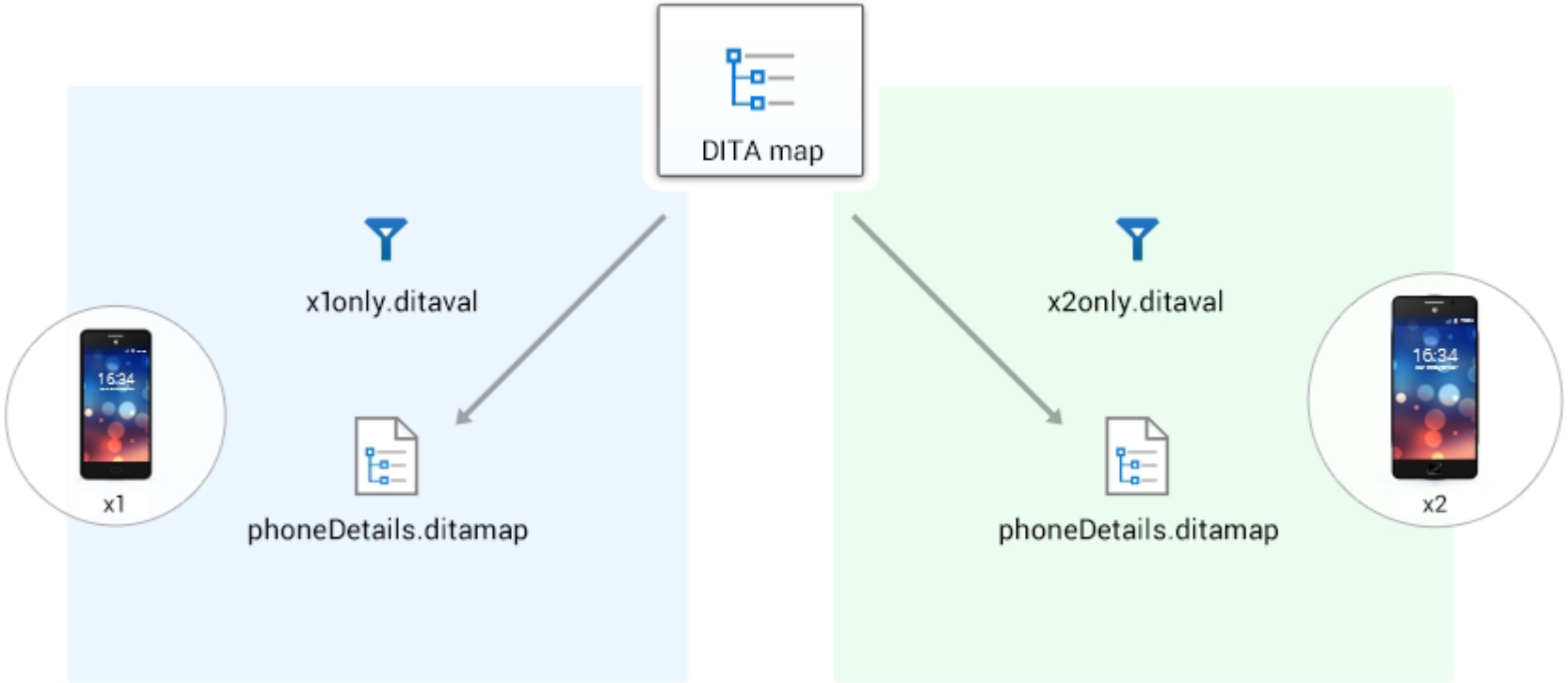
6. Branch filtering (1/3)



- Until DITA 1.3, only one DITAVAL filter could be specified for the map to be published.
- The conditions specified in the DITAVAL file were applied globally.

6. Branch filtering (2/3)

- The branch filtering mechanism (DITA 1.3+) enables map authors to set filtering conditions for specific branches of a map.
- A branch can corespond to both topic and map references.



6. Branch filtering (3/3)

- Branch filtering is based on the **<ditavalref>** element, which references the DITAVAL filter to be be used when processing a map or map branch.
- The location of the <ditavalref> element determines the content to which filtering conditions are applied.
- As a rule, the filtering conditions are applied to:
  1. The parent element that contains the <ditavalref> element.
  2. The child elements of the parent (the siblings of the <ditavalref>).
  3. All resources that are referenced by the parent element or its children.

Useful links

- Conrefs:
  https://www.oxygenxml.com/dita/1.3/specs/archSpec/base/conref-overview.html
- Subject scheme maps:
  https://www.oxygenxml.com/dita/1.3/specs/archSpec/base/subject-scheme-maps-and-usage.html
- Profiling attribute groups:
  https://www.oxygenxml.com/doc/versions/23.0/ug-editor/topics/dita-profiling-attribute-groups.html
- Key scopes:
  https://www.oxygenxml.com/dita/1.3/specs/archSpec/base/keyScopes.html
- Branch filtering:
  https://www.oxygenxml.com/dita/1.3/specs/archSpec/base/branch-filtering.html

THANK YOU!

Any questions?

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