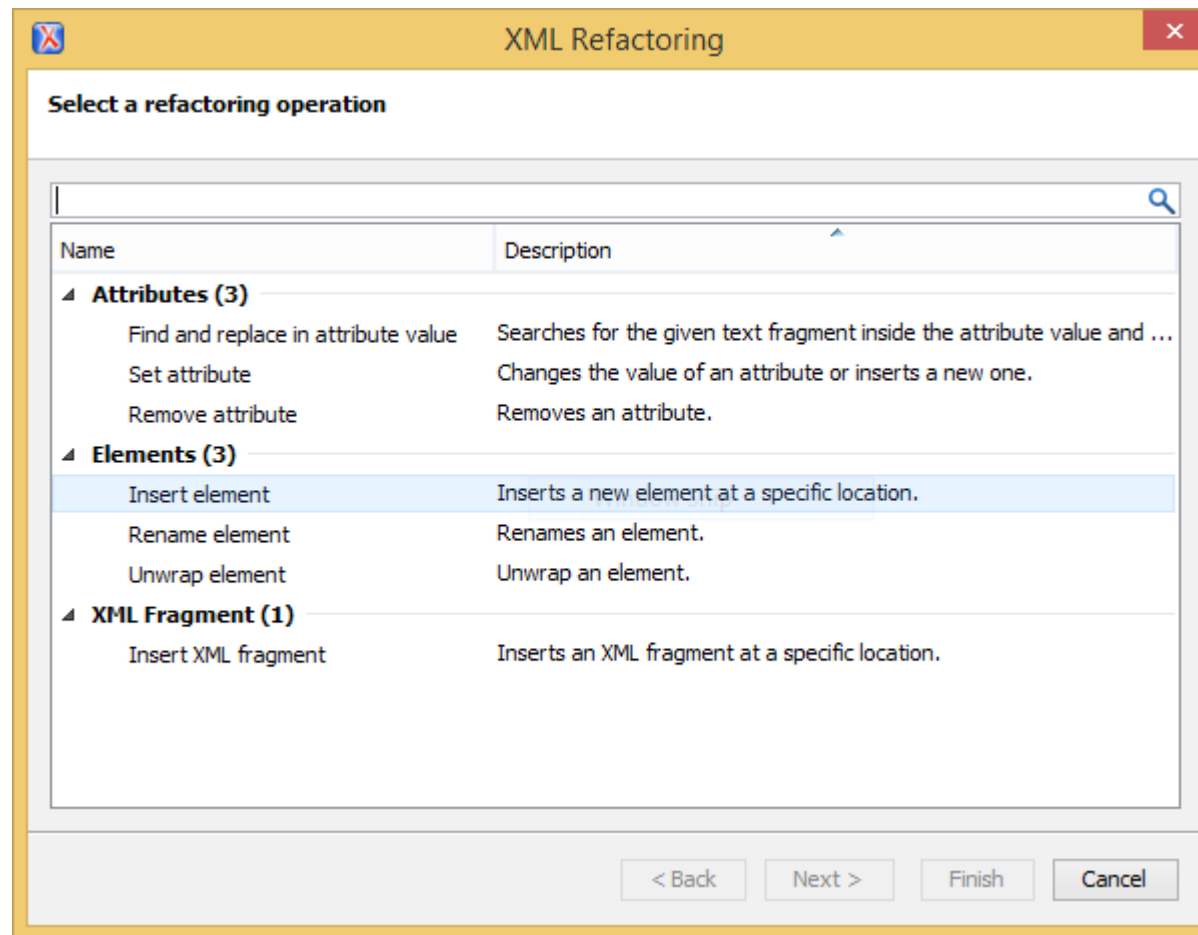


Refactoring XML documents with XQuery Update and XSLT

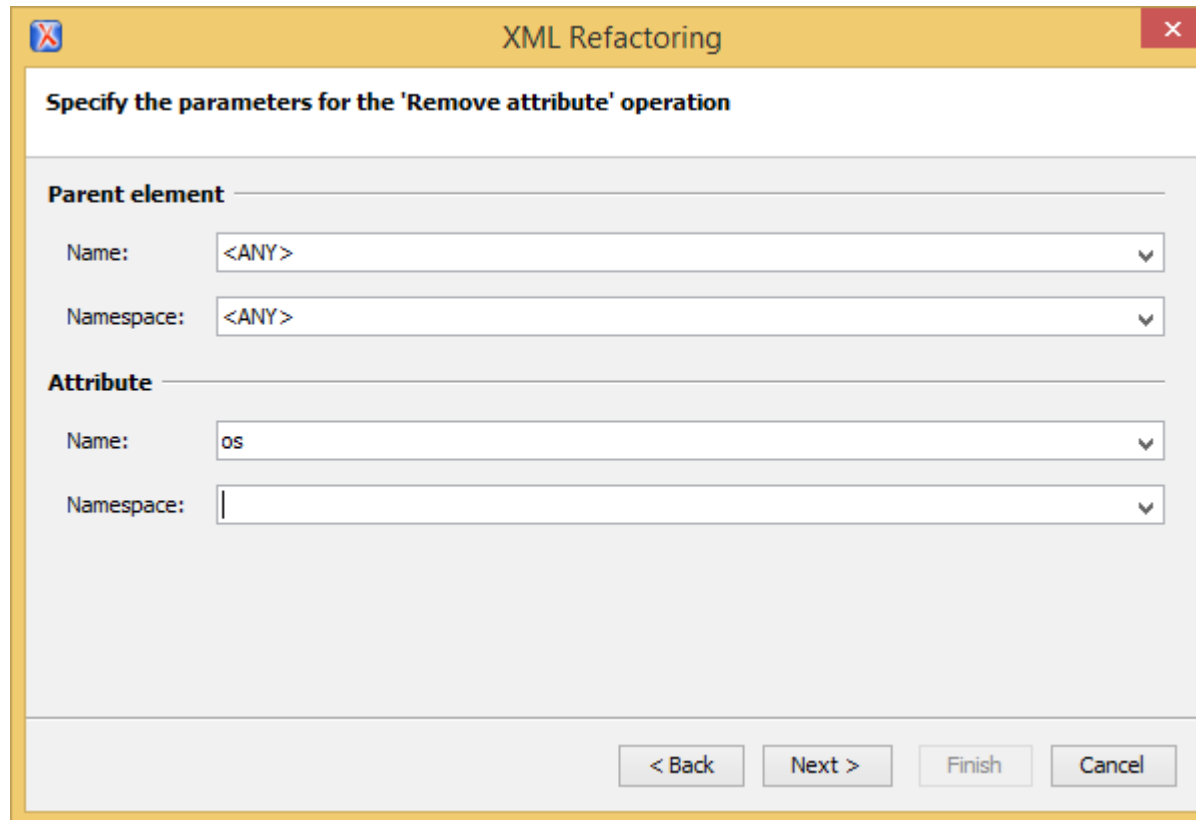
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Choose operation



Configure operation parameters

A screenshot of the "XML Refactoring" dialog box in Oxygen XML Editor. The dialog is titled "XML Refactoring" and has a close button in the top right corner. The main content area is titled "Specify the parameters for the 'Remove attribute' operation". It is divided into two sections: "Parent element" and "Attribute". Under "Parent element", there are two dropdown menus: "Name:" with the value "<ANY>" and "Namespace:" with the value "<ANY>". Under "Attribute", there are two dropdown menus: "Name:" with the value "os" and "Namespace:" which is currently empty. At the bottom of the dialog, there are four buttons: "< Back", "Next >", "Finish", and "Cancel".

XML Refactoring

Specify the parameters for the 'Remove attribute' operation

Parent element

Name: <ANY>

Namespace: <ANY>

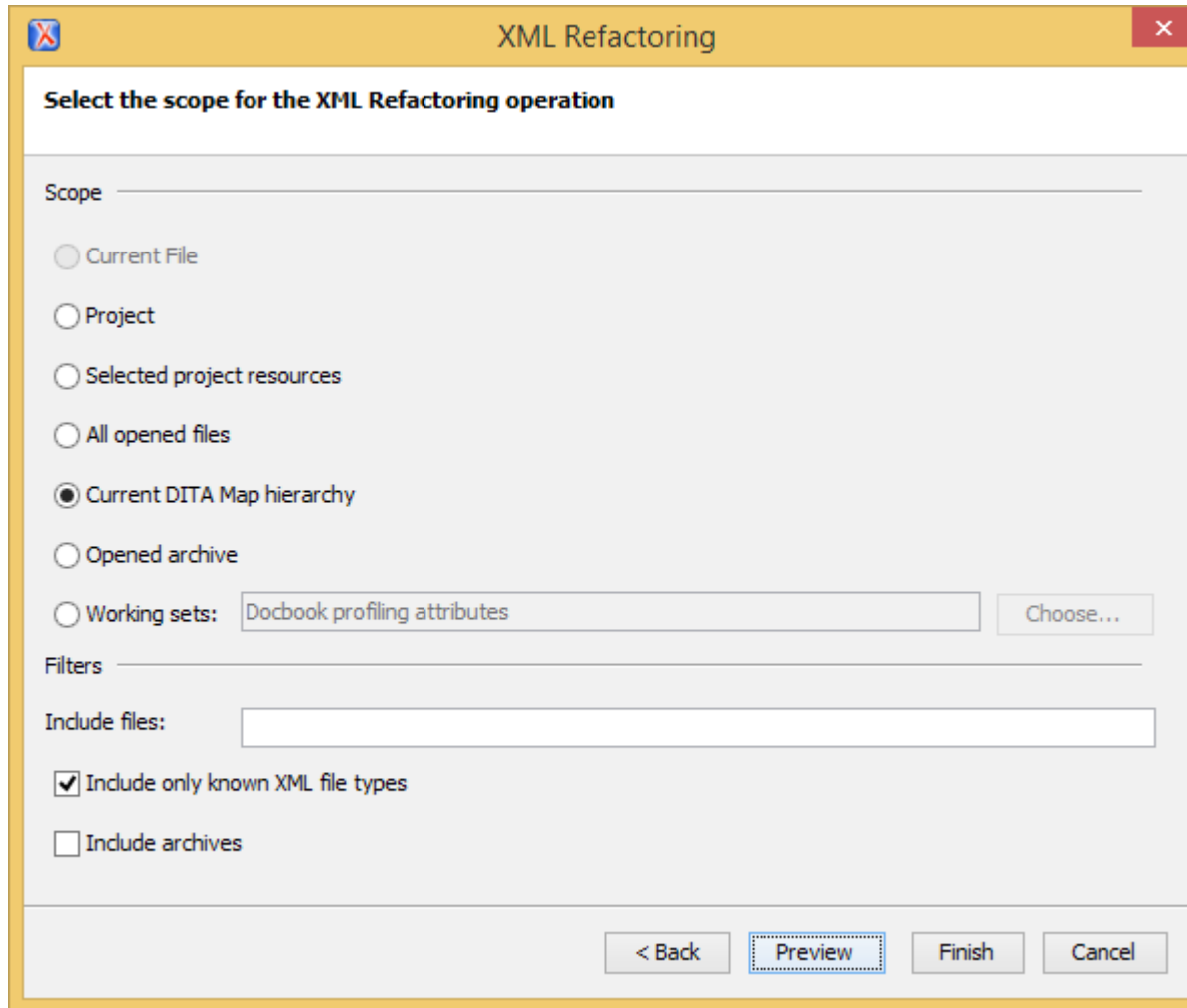
Attribute

Name: os

Namespace:

< Back Next > Finish Cancel

Select scope

A screenshot of the "XML Refactoring" dialog box in Oxygen XML Editor. The dialog has a yellow title bar with a close button. The main content area is titled "Select the scope for the XML Refactoring operation". Under the "Scope" section, there are several radio button options: "Current File", "Project", "Selected project resources", "All opened files", "Current DITA Map hierarchy" (which is selected), "Opened archive", and "Working sets: Docbook profiling attributes" (with a "Choose..." button next to it). Below this is the "Filters" section, which includes an "Include files:" text box, a checked checkbox for "Include only known XML file types", and an unchecked checkbox for "Include archives". At the bottom of the dialog, there are four buttons: "< Back", "Preview" (which is highlighted with a dashed border), "Finish", and "Cancel".

Use cases

The XML Refactoring tool can address two types of use-cases:

- **simple changes** in XML document by using **predefined operations**
- **complex changes** that implies the creation of a **custom operation**

Change Attribute Value

Use the XML Refactoring tool to modify an entry from a multi-value attribute

```
<para os="linux;windows;mac">  
  Before installing the photo...</para>
```

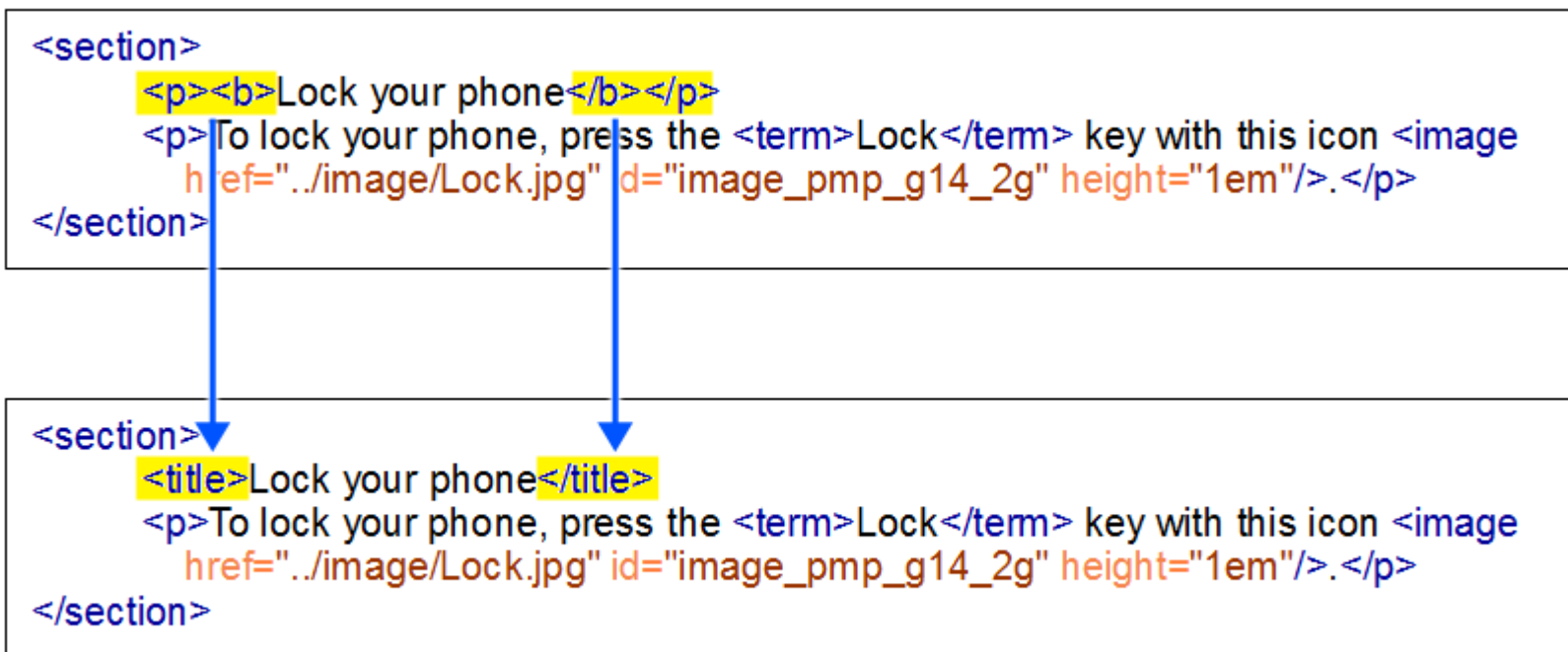


```
<para os="linux;win;mac">  
  Before installing the photo...</para>
```

Rename an element

P: Convert the first bolded paragraph from a section to the section title.

S: Use the XML Refactoring to change the structure of an XML document by renaming and unwrapping an element.



Predefined operations

Attribute operations

- Set attribute
- Remove attribute
- Find and replace in attribute value

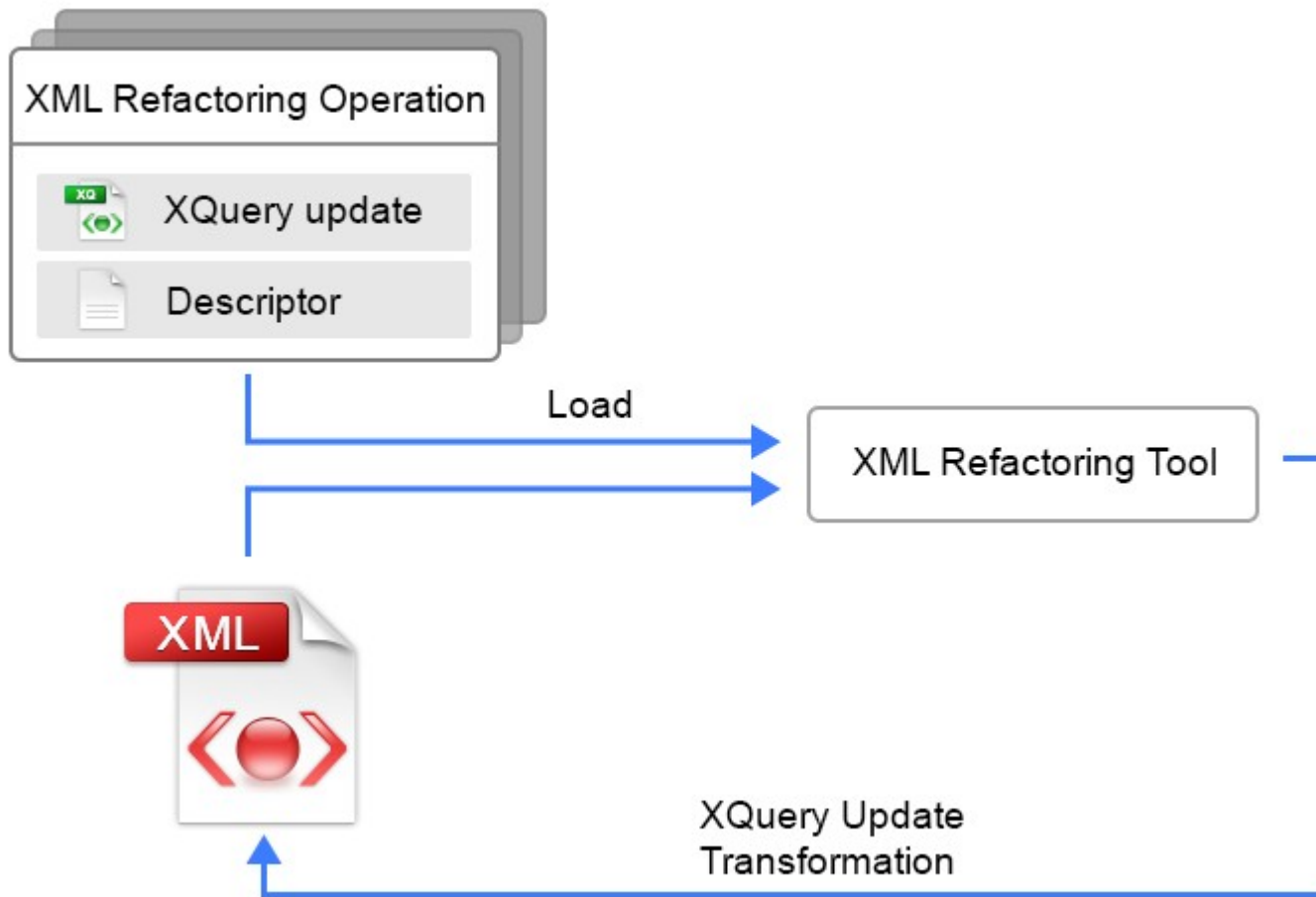
Element operations

- Insert element
- Rename element
- Wrap element
- Wrap element content
- Unwrap element
- Delete element
- Delete element content

XML fragment operations

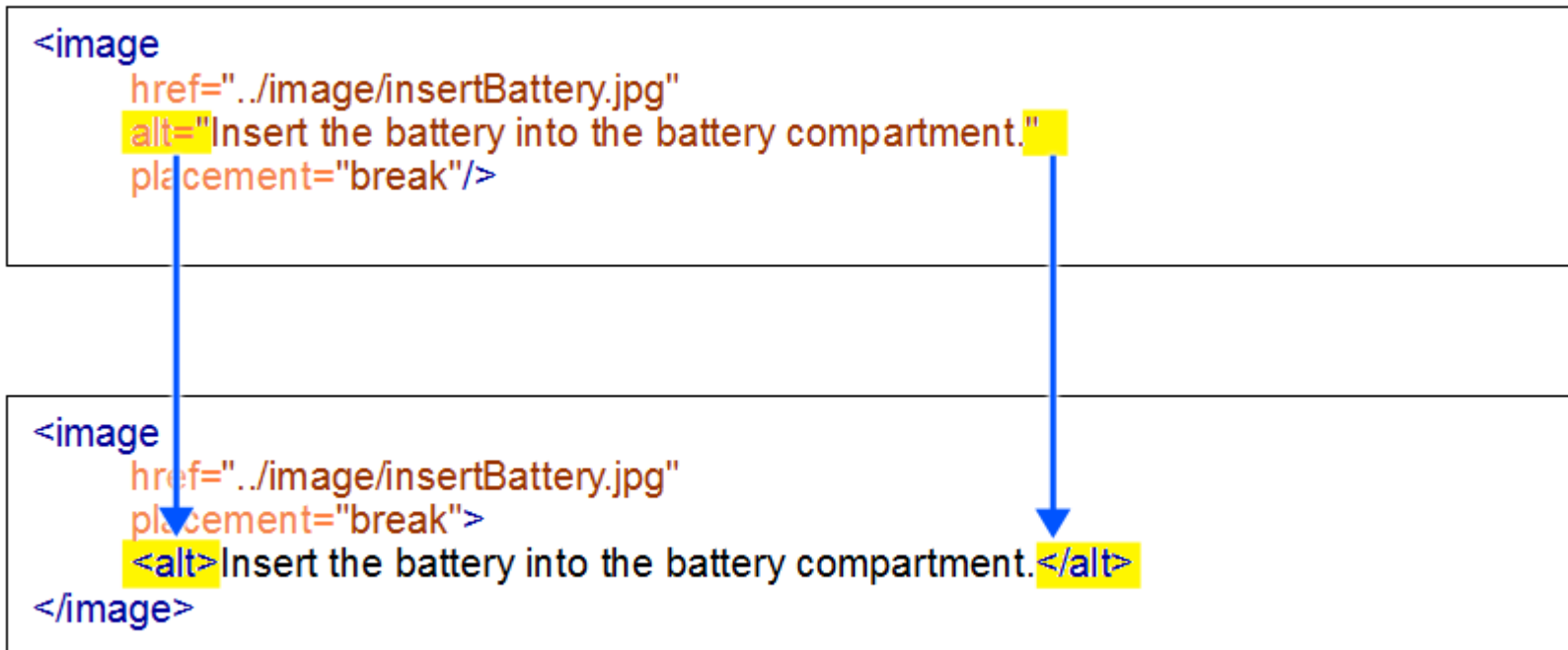
- Insert XML fragment
- Replace element with XML fragment
- Replace element content with XML fragment

XML Refactoring process



Convert an attribute to an element

- P: Convert the **alt** attribute from an **image** to an element with the same name
S: Define a custom operation and use the XML Refactoring tool to execute it.



Future plans

- Define **custom operations** by specifying **XSLT scripts**
- Allow users to **share their custom operations**
- Add **Favorites support**
- Allow **querying the default attributes**

Thank you!

Questions?

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