

# XML Schema 1.1 Support in <oXygen/>

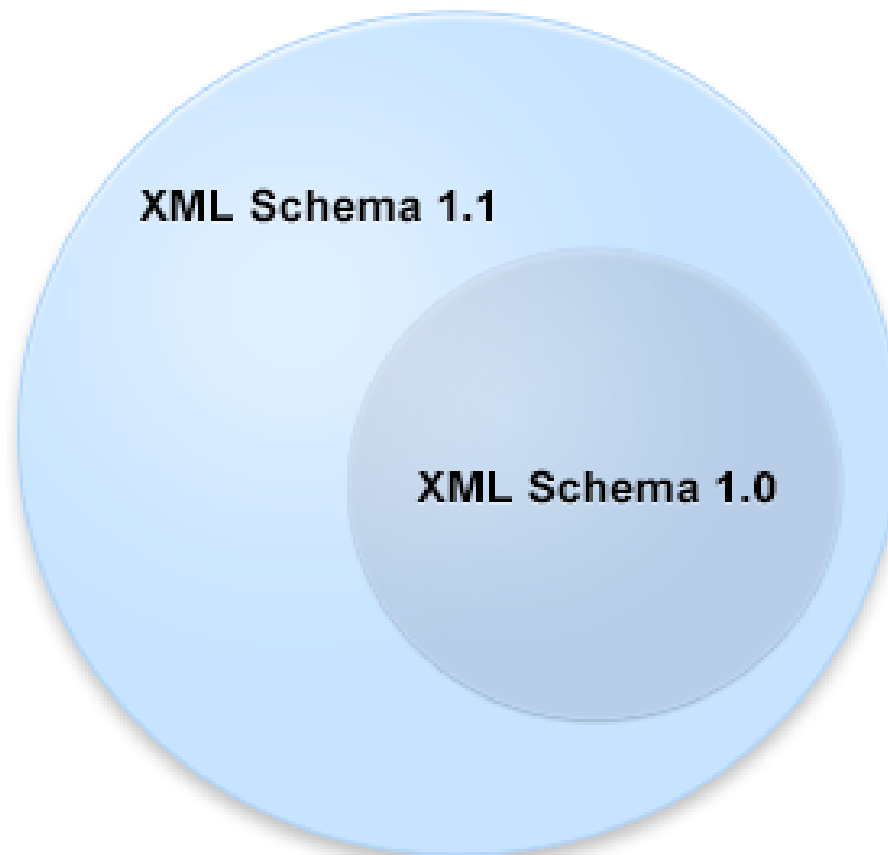
Octavian Nadolu

[octavian\\_nadolu@oxygenxml.com](mailto:octavian_nadolu@oxygenxml.com)  
[@OctavianNadolu](#)



# XML Schema 1.1

- XML Schema 1.1 superset of XML Schema 1.0



# Changes in XML Schema 1.1

- Assertions

`<assert test="quantity > 10">`

- Conditional type assignment

`<alternative test="@country = 'UK'" type="UKAddress">`

- Open content

`<openContent mode="interleave">`

- Override

`<override schemaLocation="schema.xsd">`

# Changes in XML Schema 1.1

- Default attributes

`<schema defaultAttributes="myAttrGroup">`

- Substitute multiple elements

`substitutionGroup="elem1 elem2"`

- Negative wildcards

`notQName="##defined" notNamespace="##targetNamespace"`

- All group

`<all>`

`<any maxOccurs="unbounded"/>`

`<element ref="elem" maxOccurs="unbounded"/>`

`</all>`

# Full Support for XML Schema 1.1



Validation and content completion



Schema Design mode



XML Schema documentation



XML Instance generator



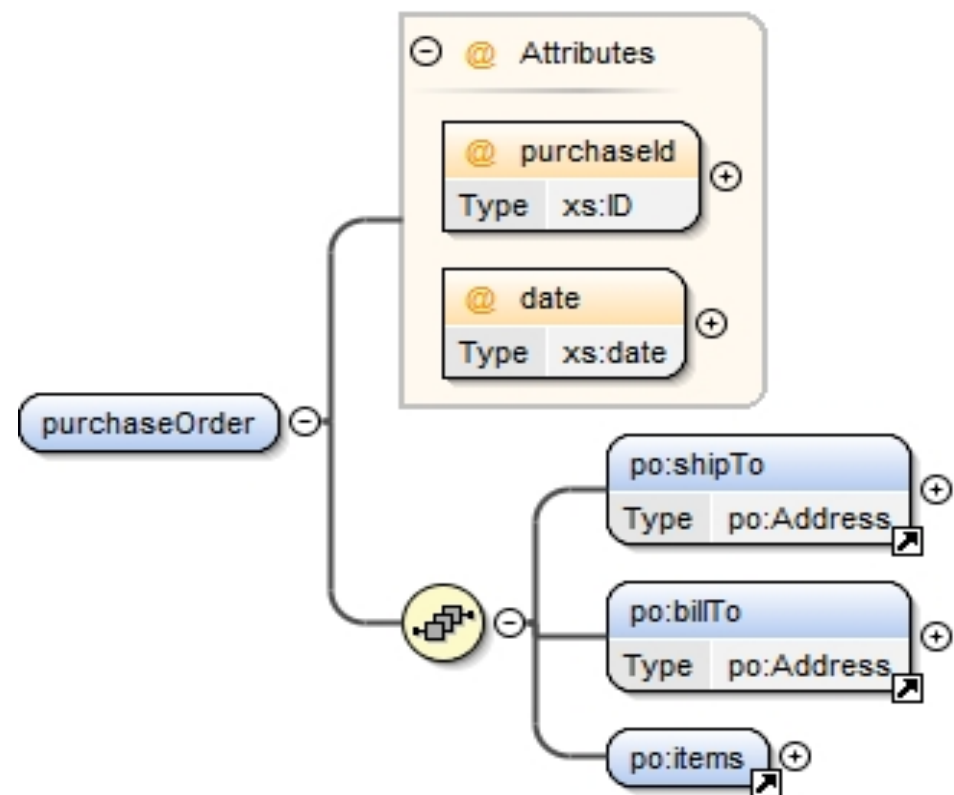
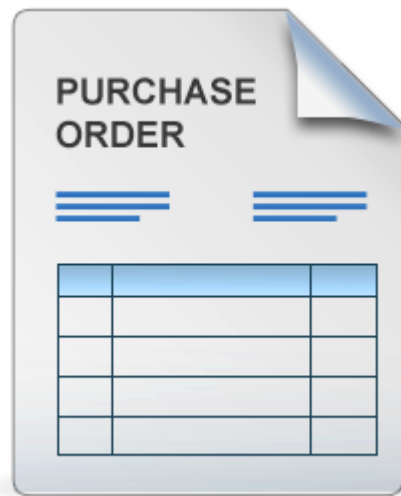
Master Files



Search and Refactoring actions

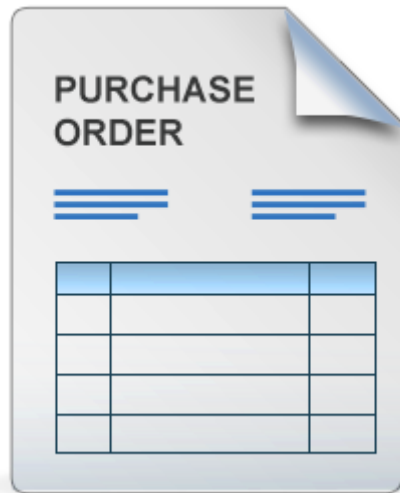
# Demo

- Purchase order schema



# Assertions

- The value of the PO higher than 50\$



> 50\$

# Type alternative

- Addresses specific to each country

## *UK Address*

*Name* \_\_\_\_\_  
*Street* \_\_\_\_\_  
*City* \_\_\_\_\_  
*Country* \_\_\_\_\_  
*Postcode* \_\_\_\_\_  
*Exportcode* \_\_\_\_\_

## *US Address*

*Name* \_\_\_\_\_  
*Street* \_\_\_\_\_  
*City* \_\_\_\_\_  
*Country* \_\_\_\_\_  
*State* \_\_\_\_\_  
*Zip* \_\_\_\_\_



# Open content

- Allow other fields in the address element

*Address*

*Name* \_\_\_\_\_

*Email* \_\_\_\_\_

*Street* \_\_\_\_\_

*City* \_\_\_\_\_

*Country* \_\_\_\_\_

*Phone* \_\_\_\_\_

# Override

- Customize the PO

*Item*

*ProductName* \_\_\_\_\_

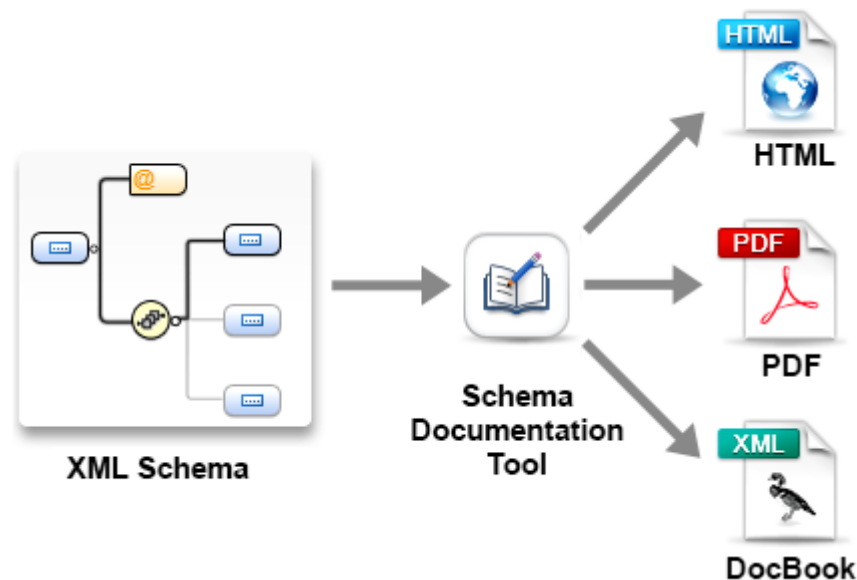
*Quantity* \_\_\_\_\_

*Price* \_\_\_\_\_

*Comment* \_\_\_\_\_

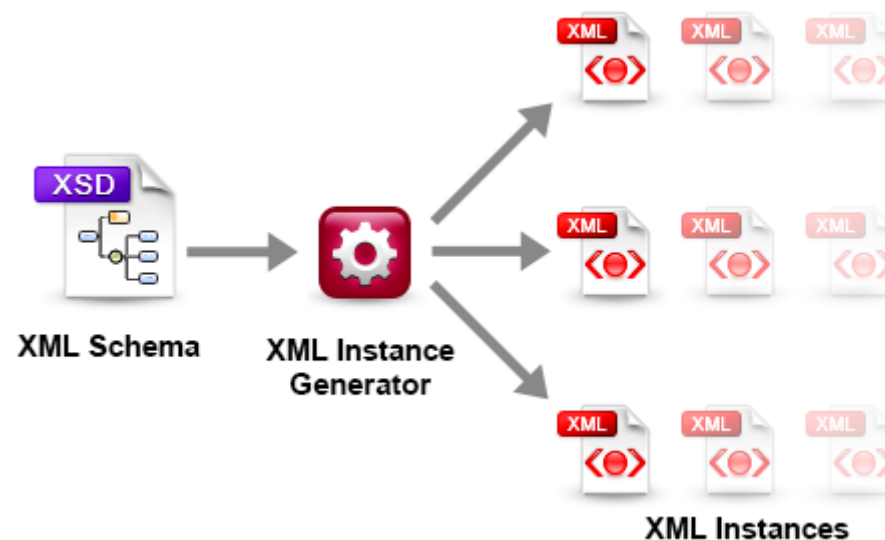
# XML Schema Documentation

The documentation support was updated to support the new elements of XML Schema 1.1.



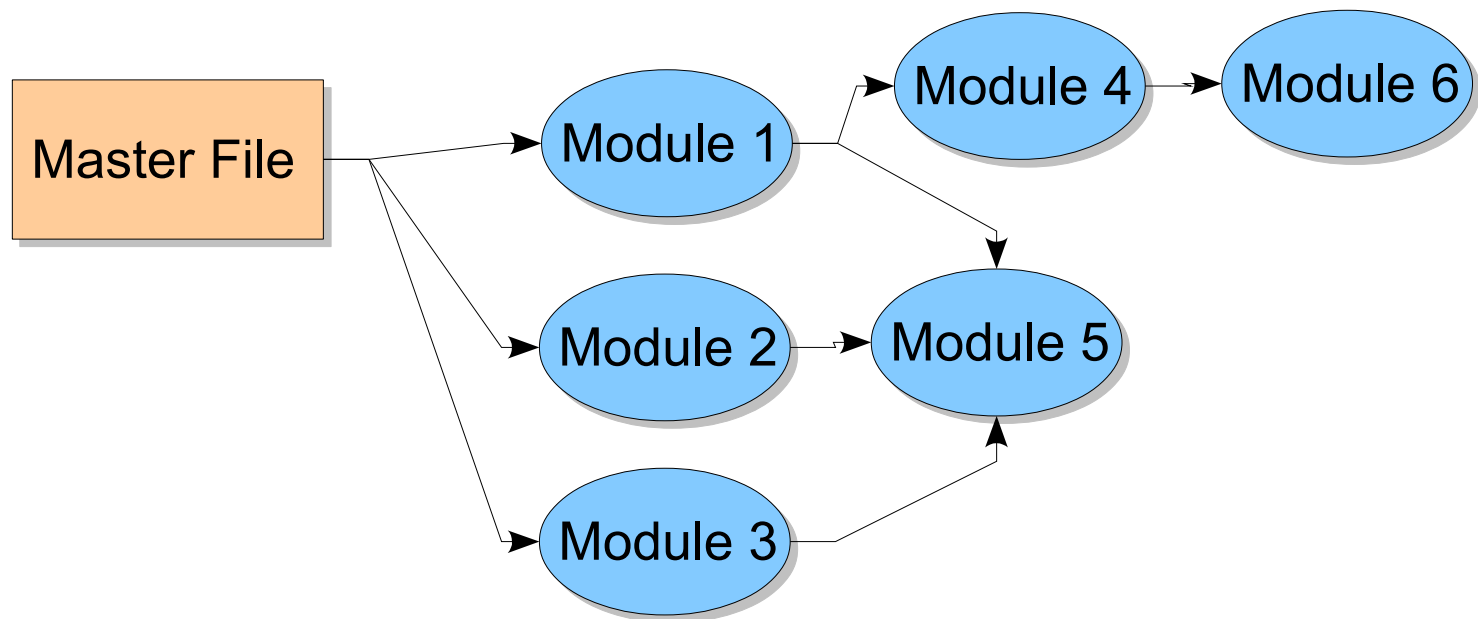
# Generate XML Instances

The XML Instance generator can handle the XML Schema 1.1 features

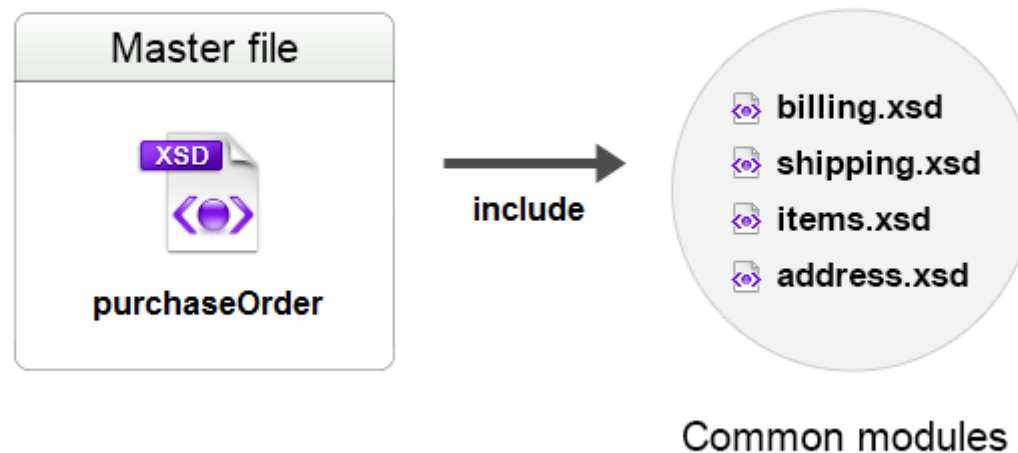


# Master Files

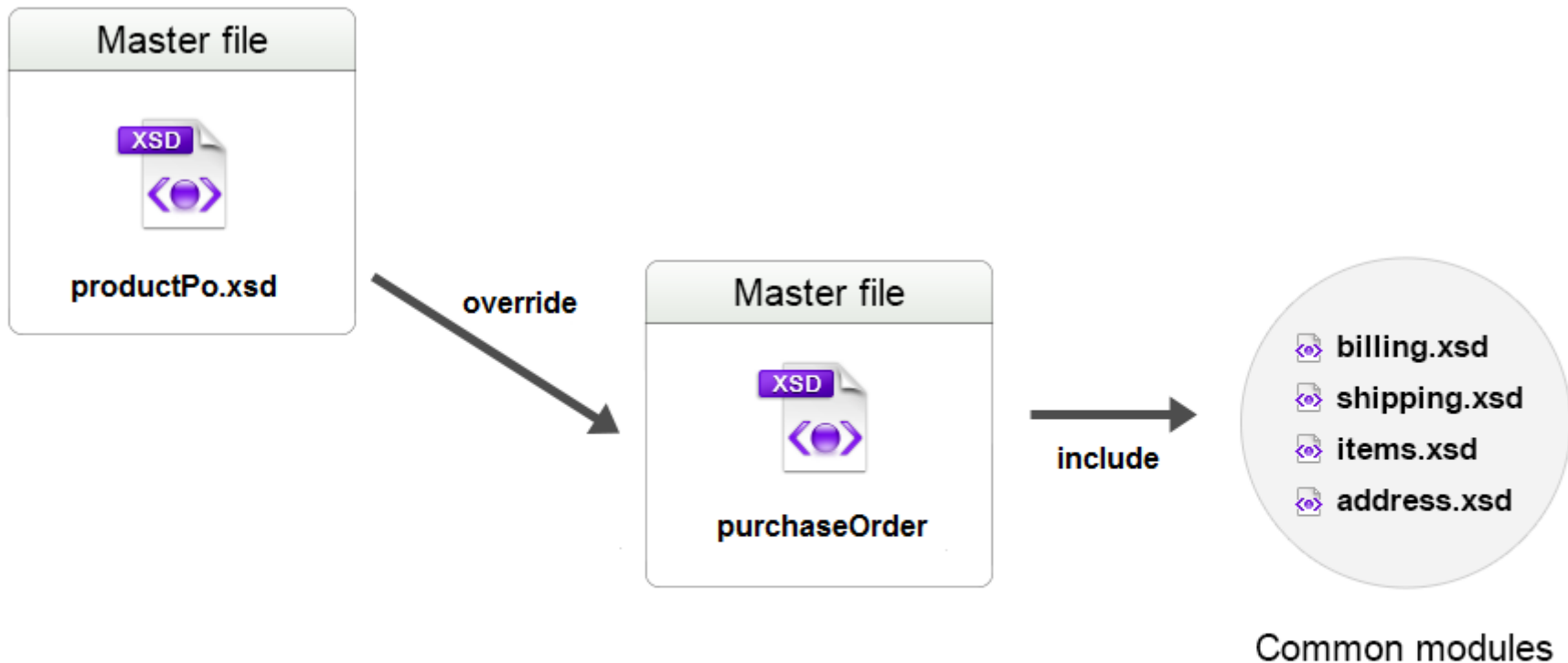
- Updated for the XML Schema 1.1



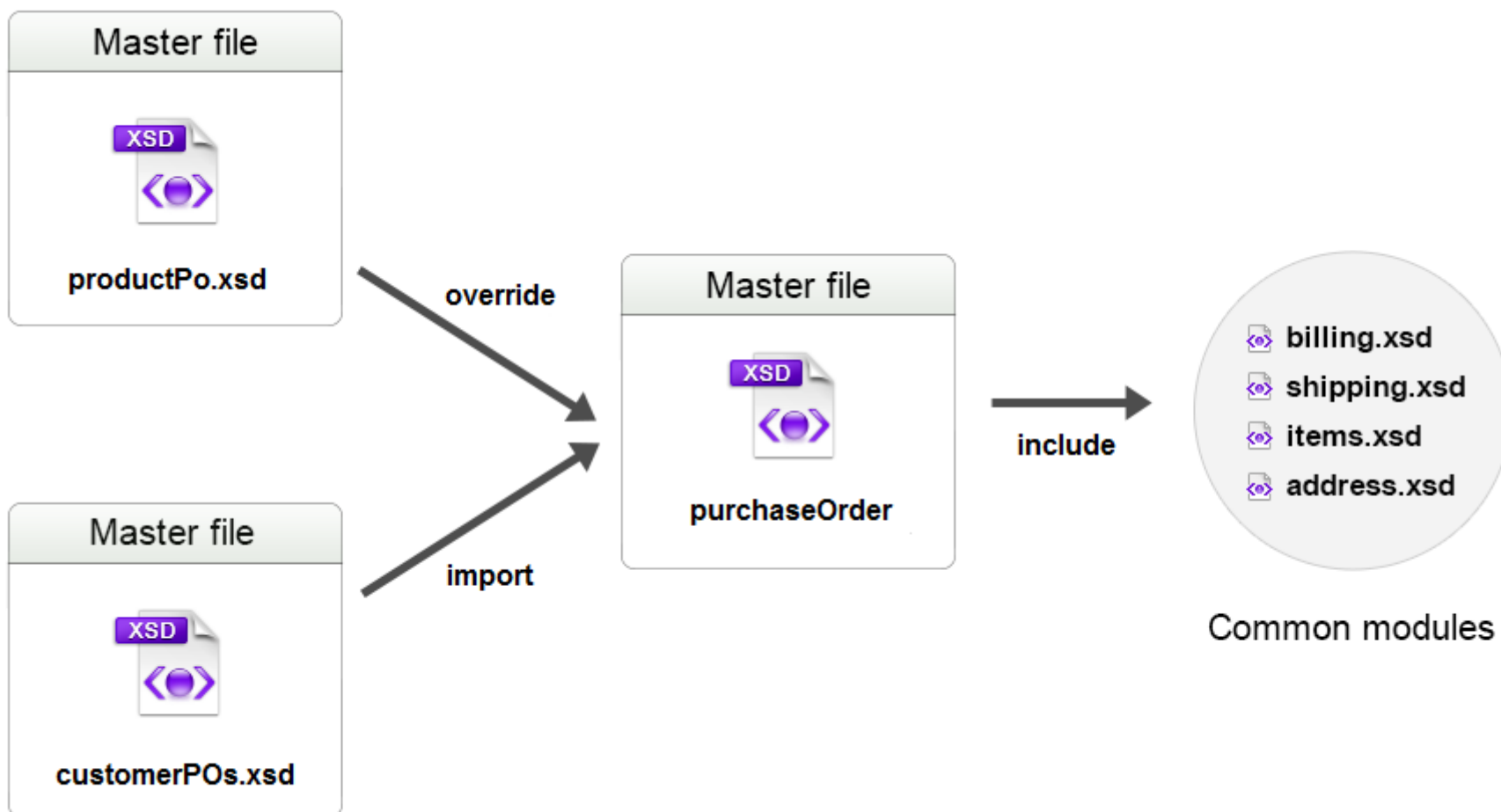
# XML Schema Master Files



# XML Schema Master Files

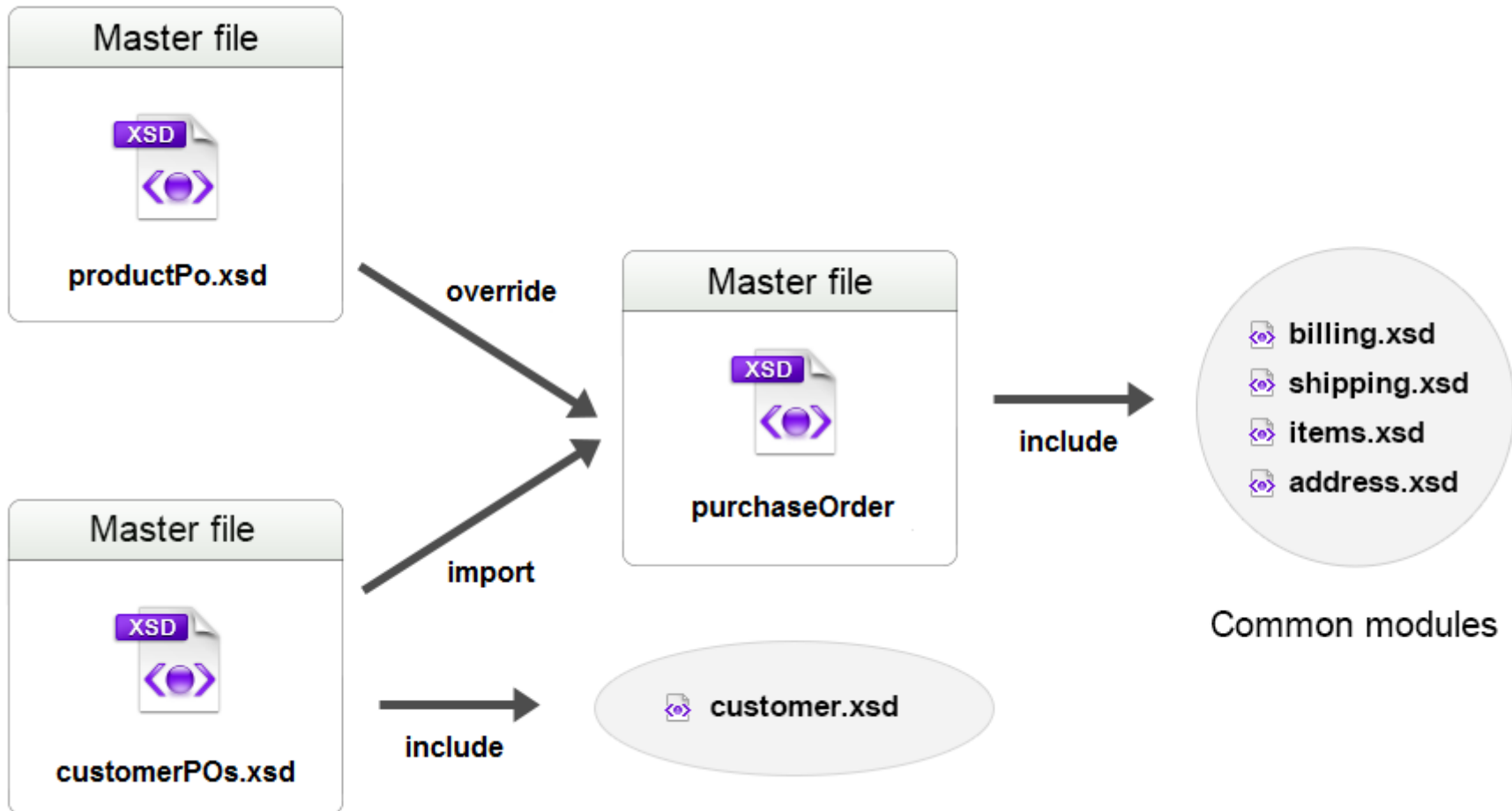


# XML Schema Master Files





# XML Schema Master Files



# Search and Refactoring Actions

- Component dependencies
- Rename component
- Search declarations
- Search references
- Resource Hierarchy/Dependencies

# Master Files Benefits

- Validation
  - A module is validated in the context is used from
- Content Completion and Outline
  - Components shown in the Content Completion window and Outline are collected starting from the master files.
- Search and refactoring actions
  - operate on the scope defined by the current module's master files

# Thank you!

## Questions?

<oXygen/> XML Editor  
<http://www.oxygenxml.com>  
[octavian\\_nadolu@oxygenxml.com](mailto:octavian_nadolu@oxygenxml.com)  
[@OctavianNadolu](#)