

**WG: Feedback to Claudio**

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To: Claudio Benghi

Cc: nn@aec3.com; Thomas Liebich [tl@aec3.de]

Hi Claudio,

attached our thoughts and questions about the GUI. Let's discuss this afternoon. What about 2 p.m. UK time (later would not work for me, but we could also do at 1 p.m.)? We scheduled a teleco with our clients for next Friday. It would be great if we can sort out most checking issues and can show a nice checking workflow by then.

I mean a lot is already working and we are close to it ;-)

Viele Grüße / Best Regards

Matthias Weise

Here my questions and comments:

I am able to select and check a single IFC element only.

**Questions regarding object selection:**

- How to select all elements (whole model)?
- How to select a group of elements?

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**Select concepts to be checked against selected IFC elements.**

Right now there are three (independent) ways to select concepts

- 1) Concept Roots
- 2) Exchange Requirements
- 3) IFC Classes

1) and 2) will lead to a huge tree for the bSN example.

Would it be possible to a) make tree nodes selectable and b) combine selected nodes of the different tabs (Concept Roots + Exchange Requirements)?

This would allow to remove Exchange Requirements nodes from the Concept Root tab tree and vice versa.

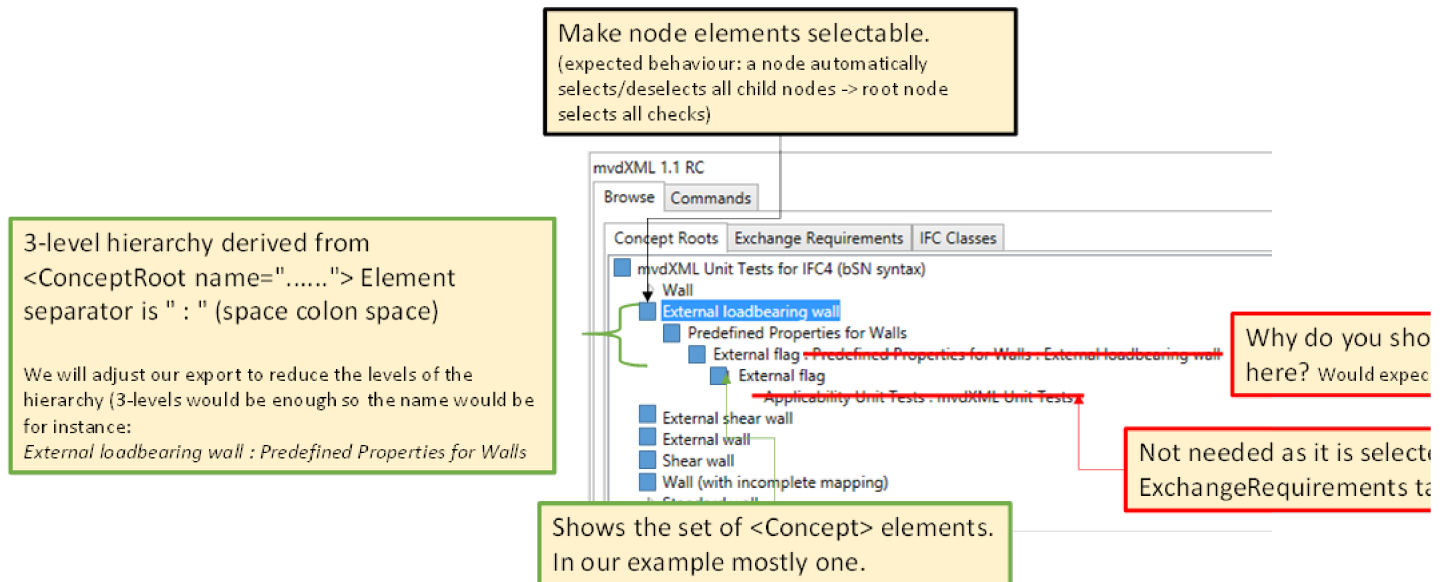
Example:

- 1) Select Concept Roots (in the Concept Root tab)
  - a. Shear wall and
  - b. External wall
- 2) Select Exchange Requirements (in the ER tab)
  - a. Applicability Unit Test
  - b. Classification Unit Test

Trees could then be reduced like this:

The Concept Roots tree is the most challenging view for bSN content. We may have to think about splitting the root element (e.g. External loadbearing wall) and child tree (Predefined Properties for Walls -> External flag) into separate tabs.

This would reduce the number of nodes dramatically because a lot of properties are shared by root elements (but of course not all). It would be a work-around to make the tree more manageable.



Make node elements selectable.

mvdXML 1.1 RC

Browse | Commands

Concept Roots | Exchange Requirements | IFC Classes

Applicability Unit Tests : mvdXML Unit Tests

External flag

External flag

External flag

External flag

External flag

External flag

External flag

Classification Unit Tests : mvdXML Unit Tests

Direct Attributes Unit Tests : mvdXML Unit Tests

Property Unit Tests : mvdXML Unit Tests

Quantity Unit Tests : mvdXML Unit Tests

Empty String test : mvdXML Unit Tests

User Defined Property Unit Tests : mvdXML Unit Tests

A structure without showing the concepts as child elements would be ok  
(listing all concepts will be a very long list in the bSN example)

Putting Exchange Requirements in a hierarchy would be great (same behaviour as for Concept Roots with " : " as separator)

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Presentation of results

Would it be possible to configure what is shown in the result tab (Passed, Failed, Not applicable, ..)?  
The shown example is fine if a single wall is checked against a set of concepts. But for checking the whole model against all concepts it is probably not of interest to show “Not applicable”.

Results | Raw Data | Information

External flag Not applicable on IfcWallStandardCase (#278)

External flag Not applicable on IfcWallStandardCase (#278)

External flag Not applicable on IfcWallStandardCase (#278)

External flag Passed on IfcWallStandardCase (#278)

External flag Passed on IfcWallStandardCase (#278)

External flag Passed on IfcWallStandardCase (#278)

External flag Passed on IfcWallStandardCase (#278)

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BCF report

At the moment it looks that each issue can be reported by a BCF comment (one by one).  
Would it be possible to group issues (for example of a single concept -> all elements that fail; or a selected element -> all concepts that fail)?

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Other

I was wondering for what the slide beside the instance number #589 is used. What is hidden behind this slide ;-)?

Ownership

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#589

90 errors

74 warnings