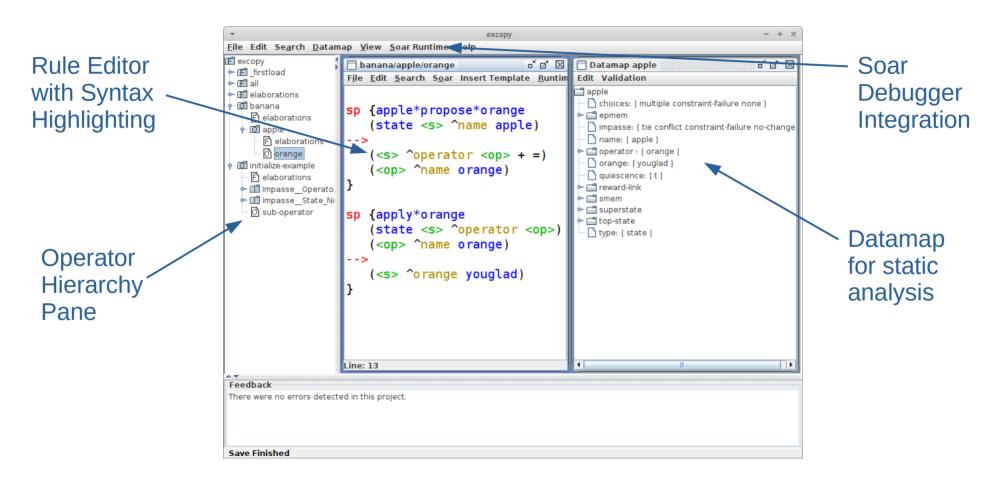
Visual Soar Update

Andrew Nuxoll Soar Workshop 29 May 2024

Visual Soar: An IDE for Soar



Overview

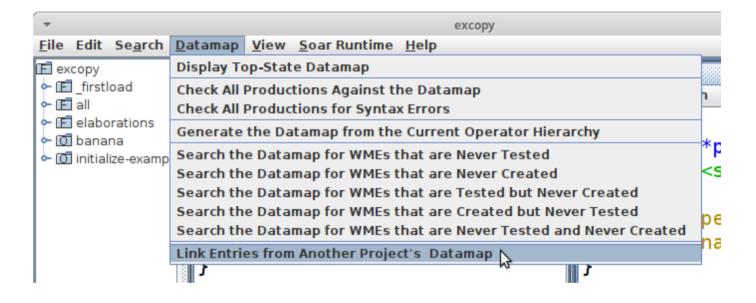
- Major Improvements in 2024
 - Datamap importing
 - Save current project and files
 - Open Recent
 - More version control friendly
 - Bug fixes

Datamap Import

- Goal: Two (or more) projects share some datamap structures
- Implementation:
 - Sub-project imports portions of datamap from a Main project
 - Imported section must be "rooted" in the top-state
 - Manual updates

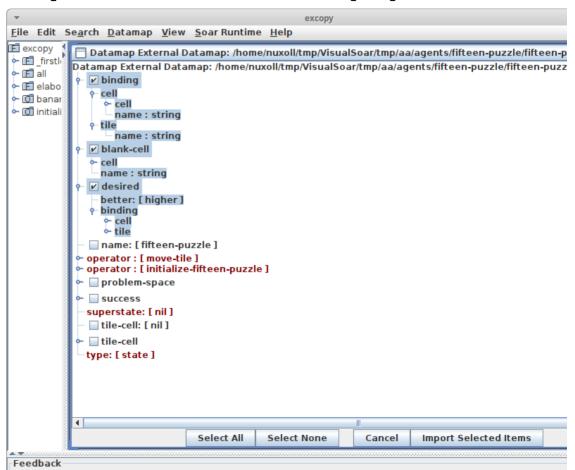
Datamap Import Demo (1)

Select .vsa file of other project.

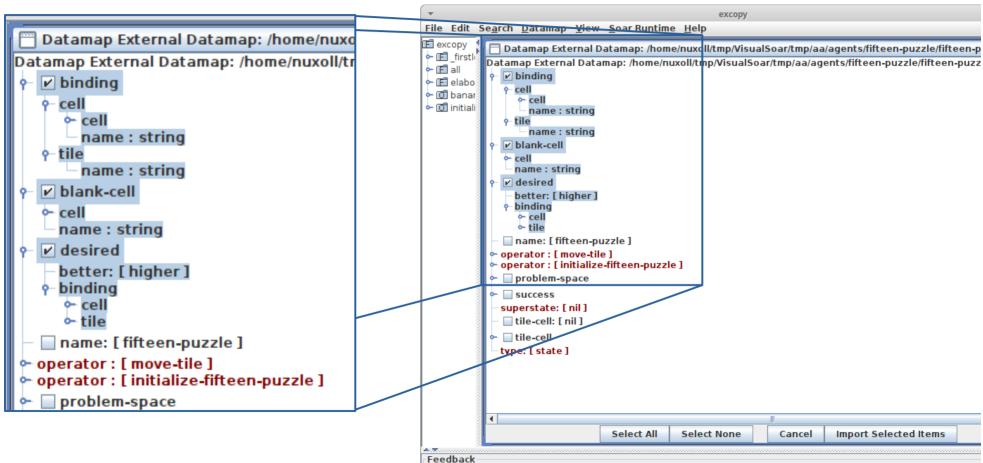


Datamap Import Demo (2)

- Check boxes on top-level "root" WMEs of tree
- Disallowed:
 - Non-top-level
 - Operators
 - Conflicting WMEs

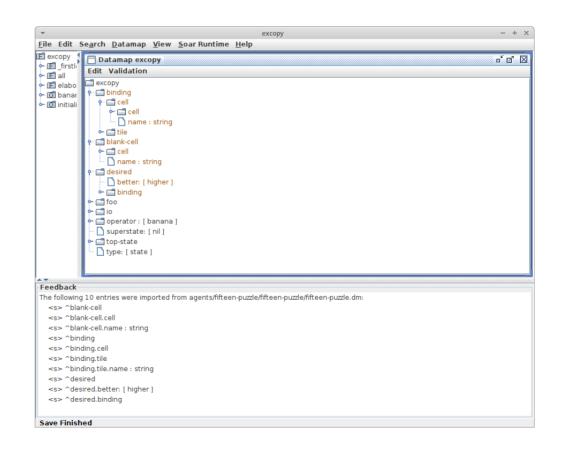


Datamap Import Demo (3)

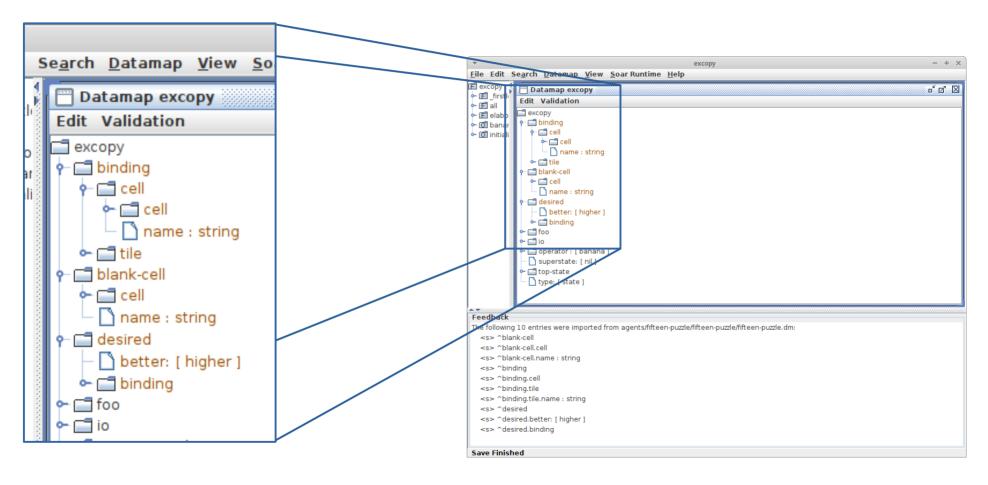


Datamap Import Demo (4)

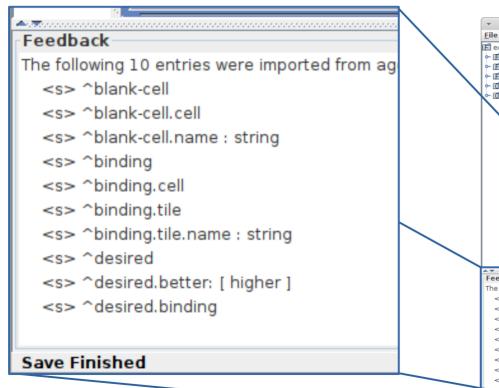
- Imported entries are in orange text
 - Test
 - Auto-complete
 - Delete
 - Ecit

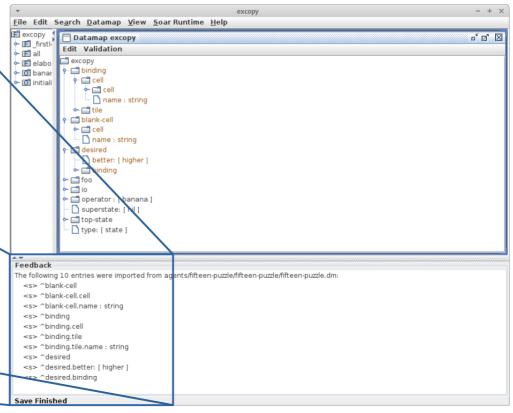


Datamap Import Demo (5)



Datamap Import Demo (6)





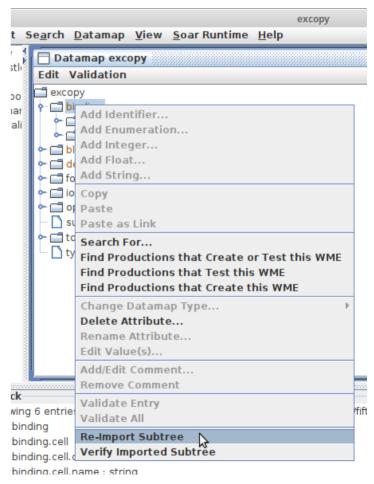
Datamap Import Demo (7)

Check for changes between imported datamap and originals

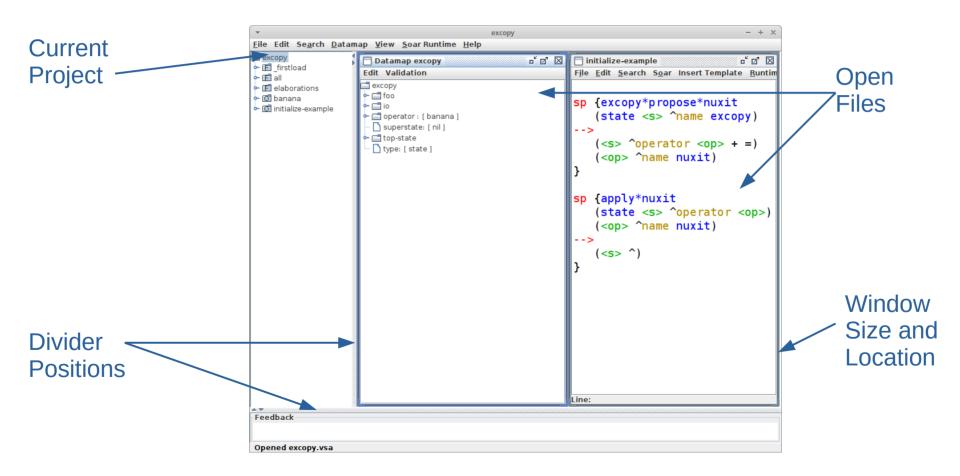


Datamap Import Demo (8)

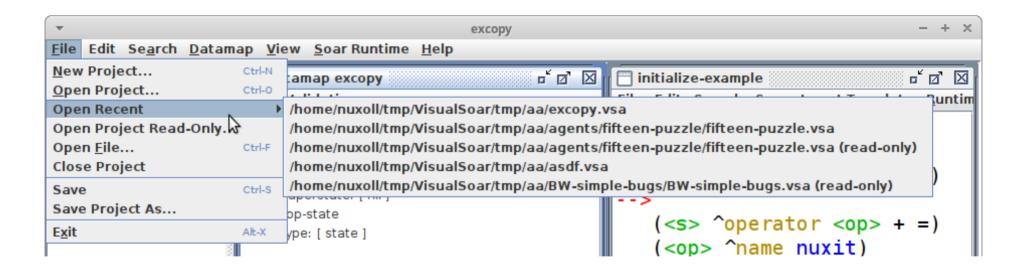
Re-import from main project



Save Layout and Files



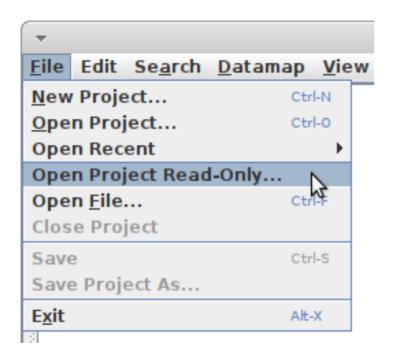
Open Recent

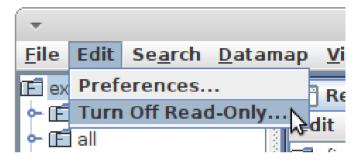


More Version Control Friendly

- Avoid touching or re-saving files unnecessarily
- Temporary files are removed on save
 - Ex: myfile.soar~
 - Ex: myproject.vsa~
- Open Read-Only (see next slide)

Open Read-Only (1)

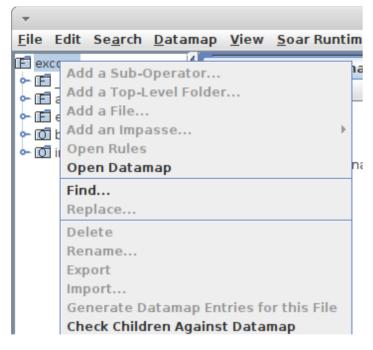




Menu Option

Toggle On/Off

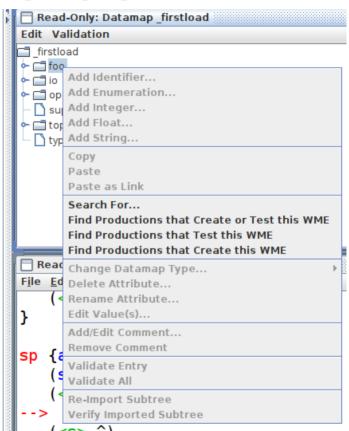
Open Read-Only (2)



May not add, edit, delete:

- Files
- Rules
- Datamap





Bug Fixes

- Message dialogs appear on the wrong monitor
- The reward-link in a new datamap has the wrong structure
- Replacing highlighted text mis-positions cursor
- Hang caused by Replace All
- Syntax highlighting problems
- Space in enumeration value corrupts project
- Datamap entries listed in seemingly arbitrary order

Bug Reports and Feature Requests

- https://github.com/SoarGroup/VisualSoar/issues
- Thank you! to my involuntary QA department:
 - Peter, John, Bob, Nate, Steven

Nuggets and Coal

- Bug fixes and new features
- Ready to track new issues

 Some desirable features are out of scope