# One Fact
# Current Projects - October 2018

xtUML

# Eclipse Oxygen

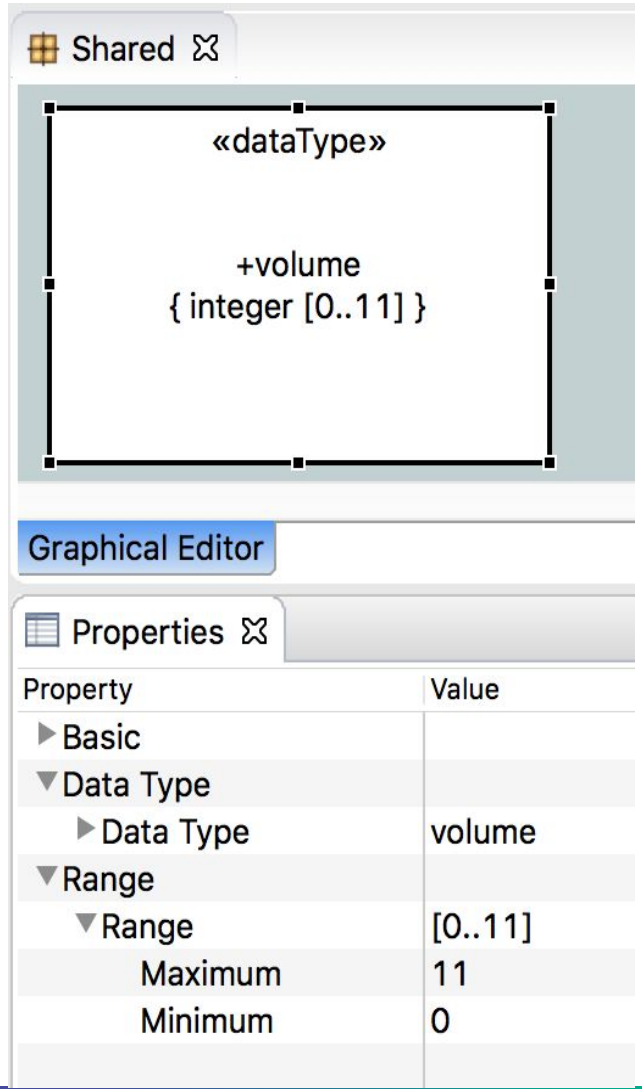
- BridgePoint was migrated to Eclipse Oxygen
- Testing still in progress
- JRE update was not performed, but can be done manually

# pyrsl 2

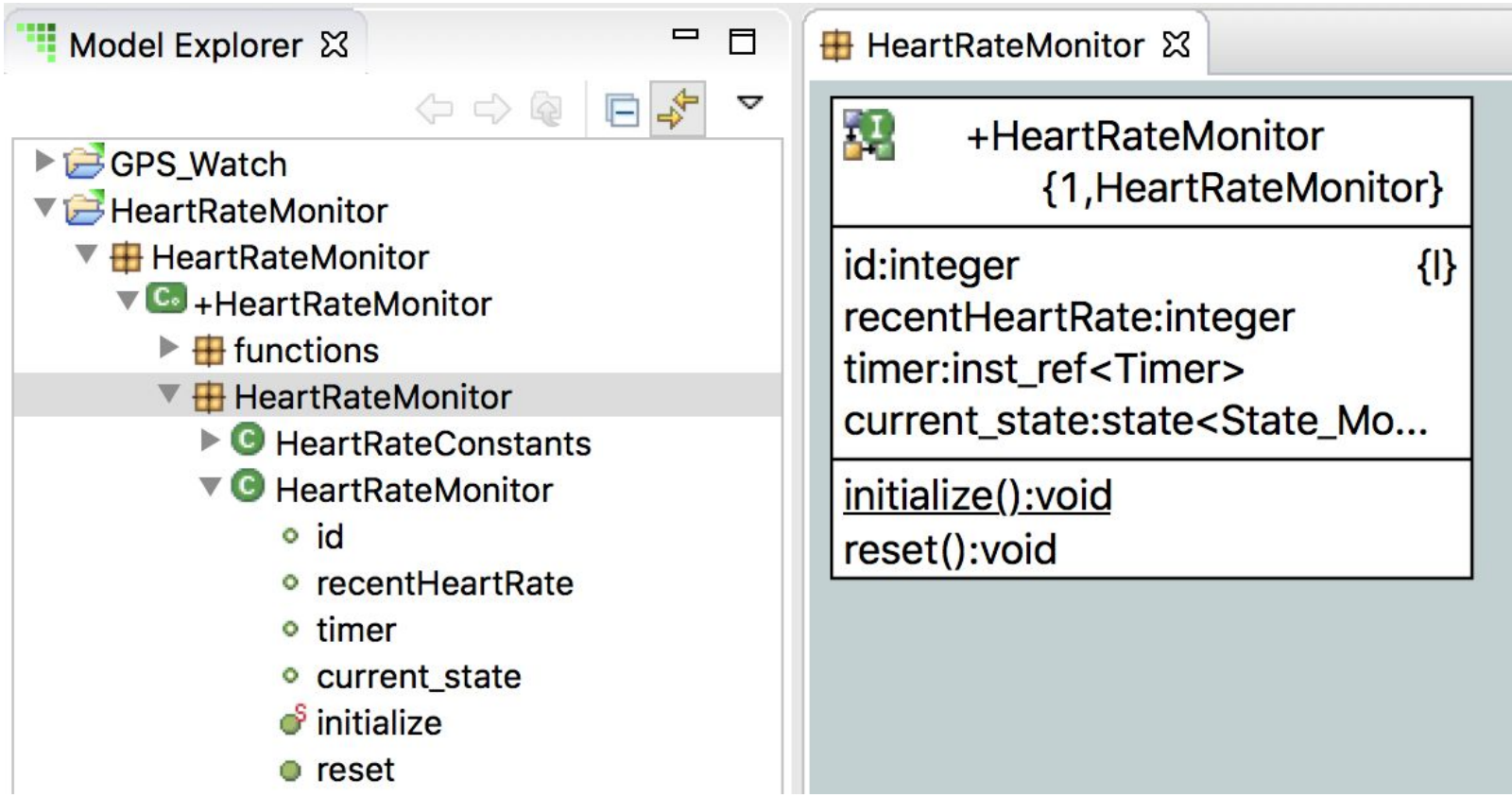
- MC-3020 updated to be compatible with the latest release
- MC-Java updated to be compatible with the latest release
  - Server build now takes < 1 hour
  - Local build of the “core” plugin time reduced by roughly 50%
- Reversal of reflexive phrases needed along with some other fixes
- This marks the final step in moving away from the old generator

# Range Separator

- Change the separator character used to show range values from: “,” to “..”.



# Static Methods



# OAL Auto Indent

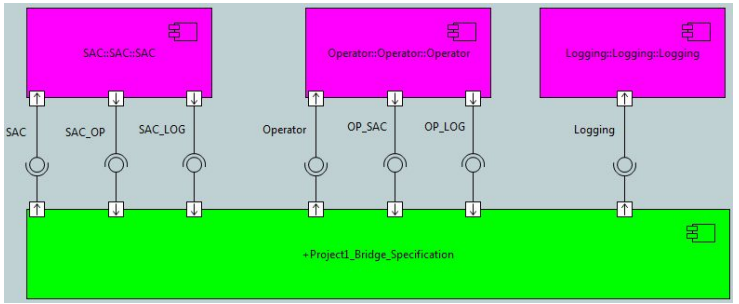
- Automatically indent newly inserted lines at the same indentation level by duplicating the indentation of the previous line.
- When the user inserts a new line and the previous line begins with one of the following OAL statements (case insensitive), an additional level of indentation to the previous line shall be automatically inserted: if , elif, else, for each , while
- When preference settings are configured to use tabs the OAL editor shall render all tabs using the size of the tab width specified in the preferences.
- Changes to tab width shall not affect existing indentation where spaces were used instead of tabs.

# Model Compiler Updates

- In current Engineering builds, coming in v6.16
  - Simulated time
  - Brought back MC-3020 Persistence
  - State Save
  - Class-specific tracing
  - Tag interface messages safe for interrupts
  - Many bug fixes and enhancements

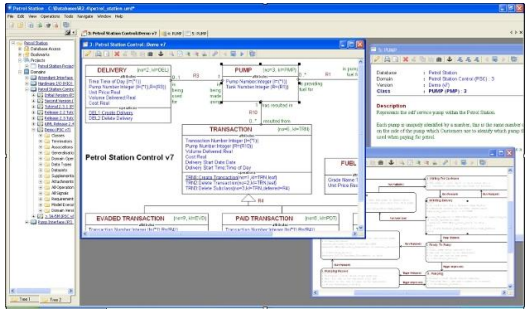
# MASL Deployments

- MASL idiom for system modeling is overly complex
- Bridging convention is difficult to map to xtUML
  - Public domain services exposed to the outside world
  - Terminator services specify dependencies for each domain
  - "Project" terminator services override stubs provided by domains and directly invoke public domain services in visible domains

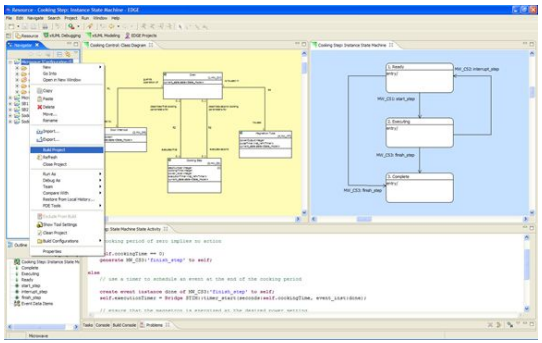



- There is a need for a new xtUML element (or set of elements) to more naturally represent bridging the iUML/MASL way

# ASL Assessment



- Migrate from iUML to a tool chain that is:
  - Modern
  - Commercially supported
  - Viable for long-term development
  - Hosted on Windows
  - Actively developing and moving forward



- Engage a partner for training, consulting in:
  - xtUML modeling
  - Model compiler development
  - Test harness, debugging, automation
  - Migration of models to new tool chain
  - Model-driven workflow definition and deployment

# Testing update

- Unit tests
  - ~19000 total unit tests
  - ~3000 new generated tests (m n)
- Manual tests
  - ~80 test procedures
  - 7 new test procedures
- Oxygen
  - ~300 unit test failures related to the migration to Oxygen
  - Some good bugs caught and fixed
  - To be cleaned up during next release cycle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