

# IBM Software – Open Mic on New Features in Rational Rhapsody 8.1.& 8.1.1

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# Agenda

- **Adding a New Property in Feature Dialog box**
- **New Improved Reverse Engineering Wizard**
- **Graphic Editor Improvements**
- **Graphical User Interface Enhancements**
- **Track Changes**

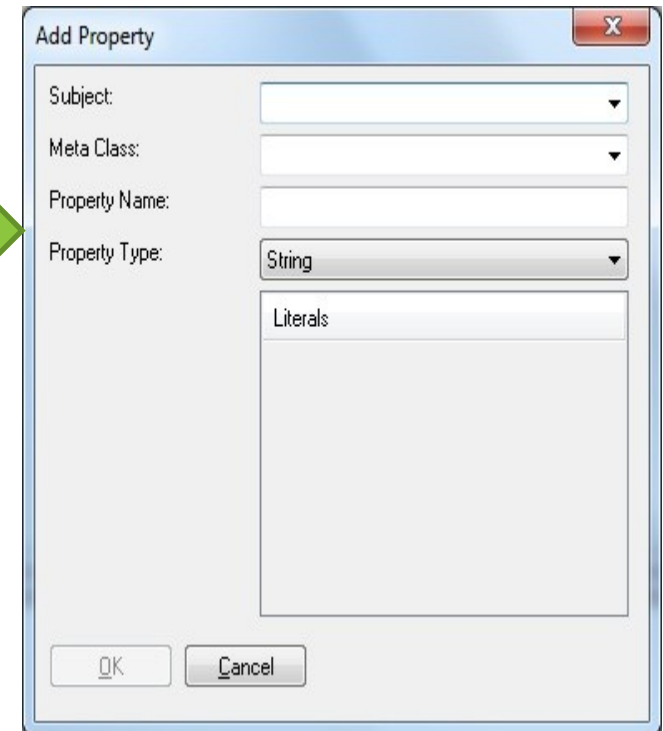
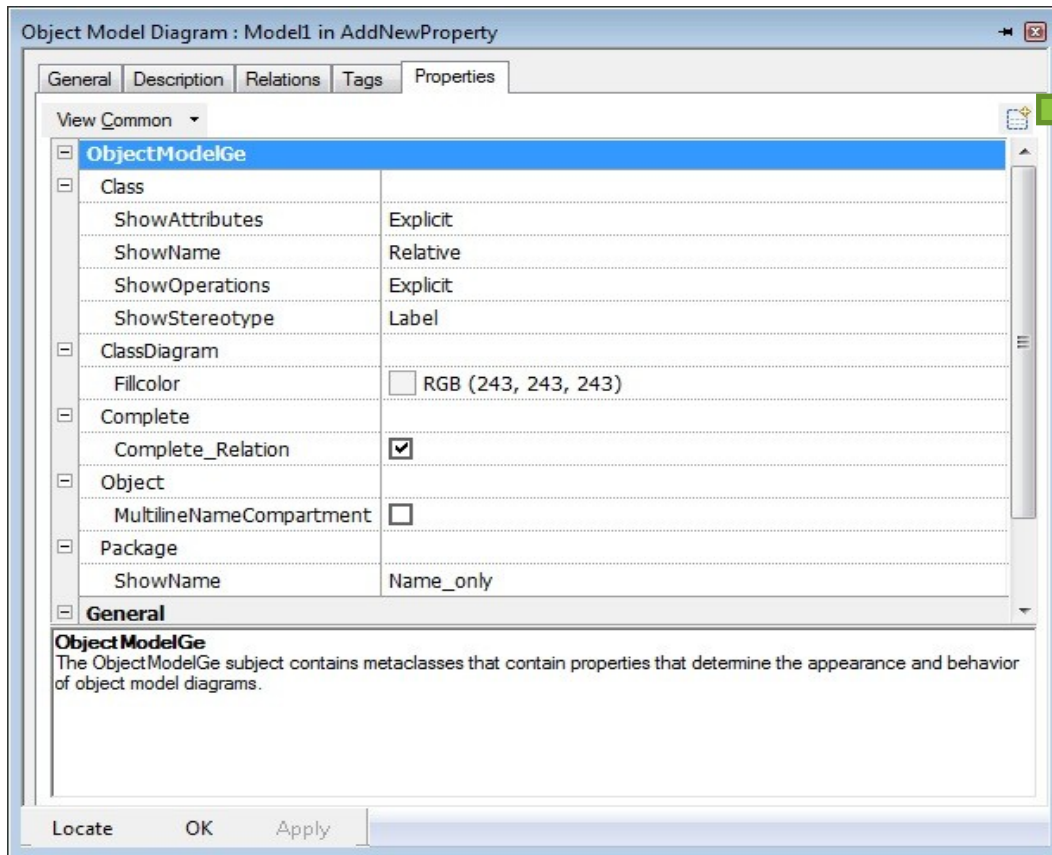
# Adding a New Property in Feature Dialog box

## Adding a New Property in Feature Dialog box

- A New Property can now directly be created from within Rational Rhapsody

To enable the feature open **rhapsody.ini** in Edit Mode and Under [General] section set

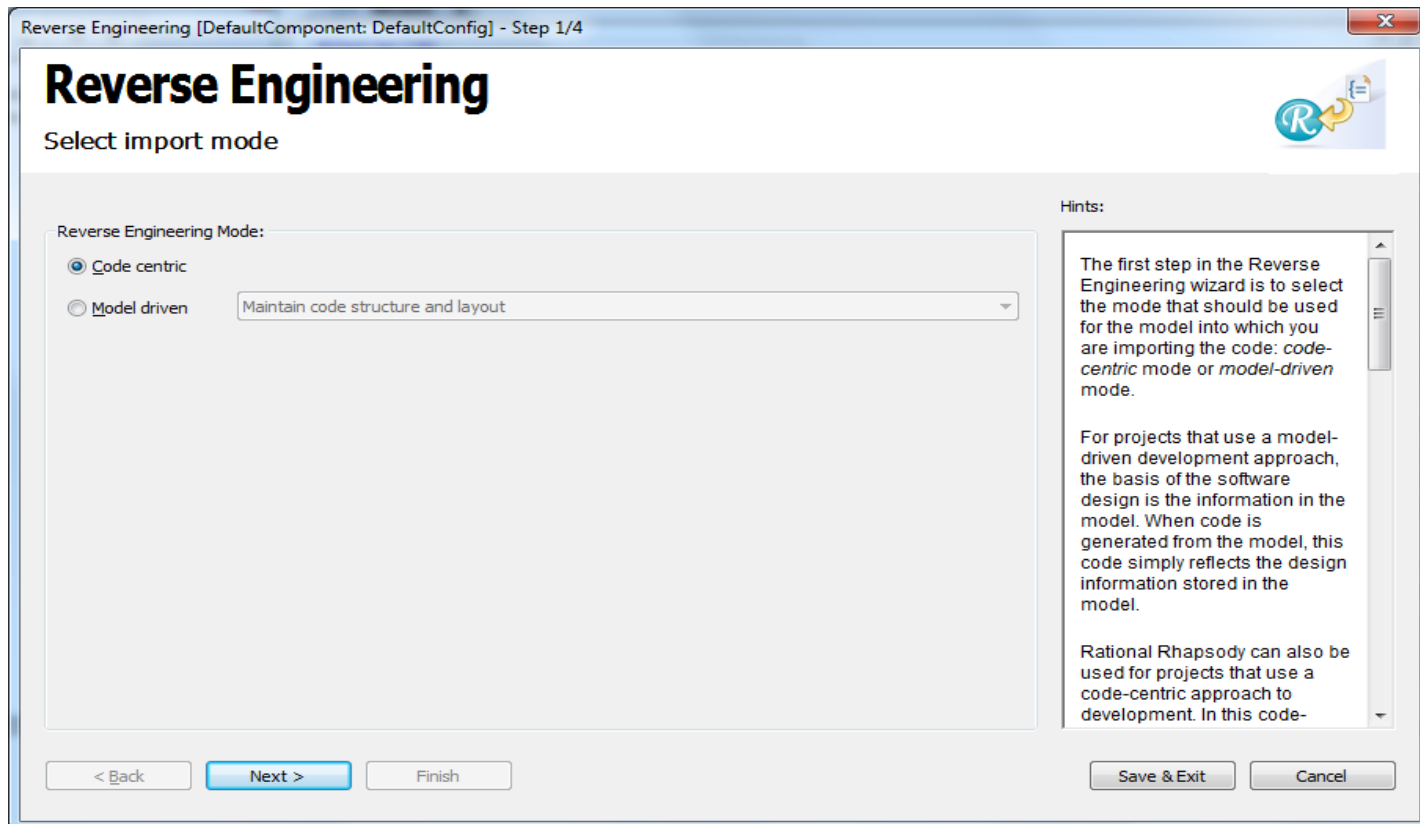
*AllowAddNewProperty=TRUE*



# New Improved Reverse Engineering Wizard [for C & C++]

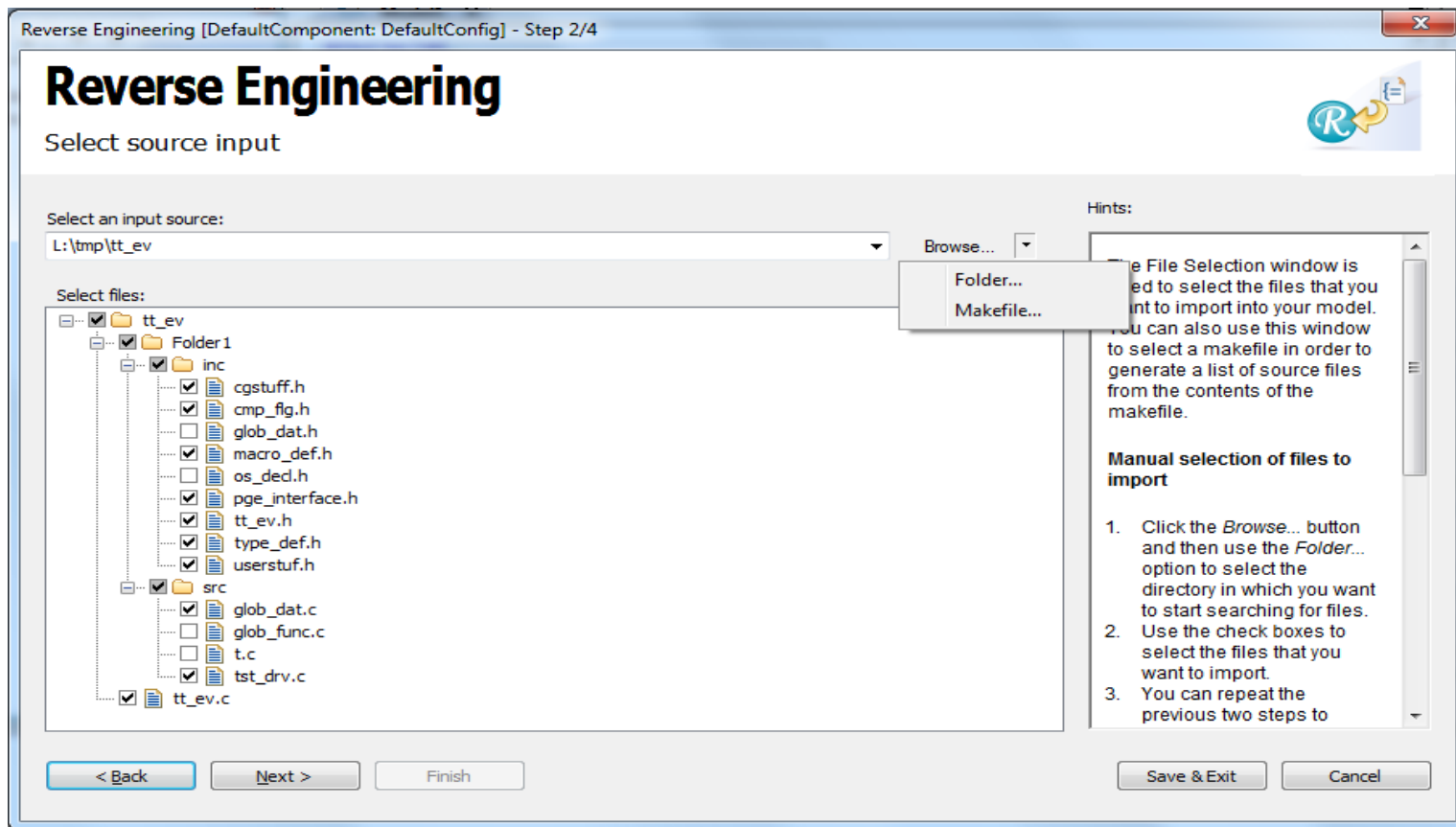
# New Improved Reverse Engineering Wizard [for C & C++]

- An all new improved User Interface Reverse Engineering Wizard has been introduced for C & C++ with Hint Pane



# New Improved Reverse Engineering Wizard [contd...]

- Simpler file selection based on either folder (containing source files) or makefiles



# New Improved Reverse Engineering Wizard [contd...]

- Improved Model Management in User Interface

Reverse Engineering [DefaultComponent: DefaultConfig] - Step 3/4

## Reverse Engineering

### Model management

**Model content:**

Import as:

Import policy:

Populate Object-Model diagrams

**Model package hierarchy:**

Create packages:

Create packages starting at:

Standard specification directory:

Standard implementation directory:

**Hints:**

The Package Management window provides you with a number of options for controlling how the imported files will be represented in the model:

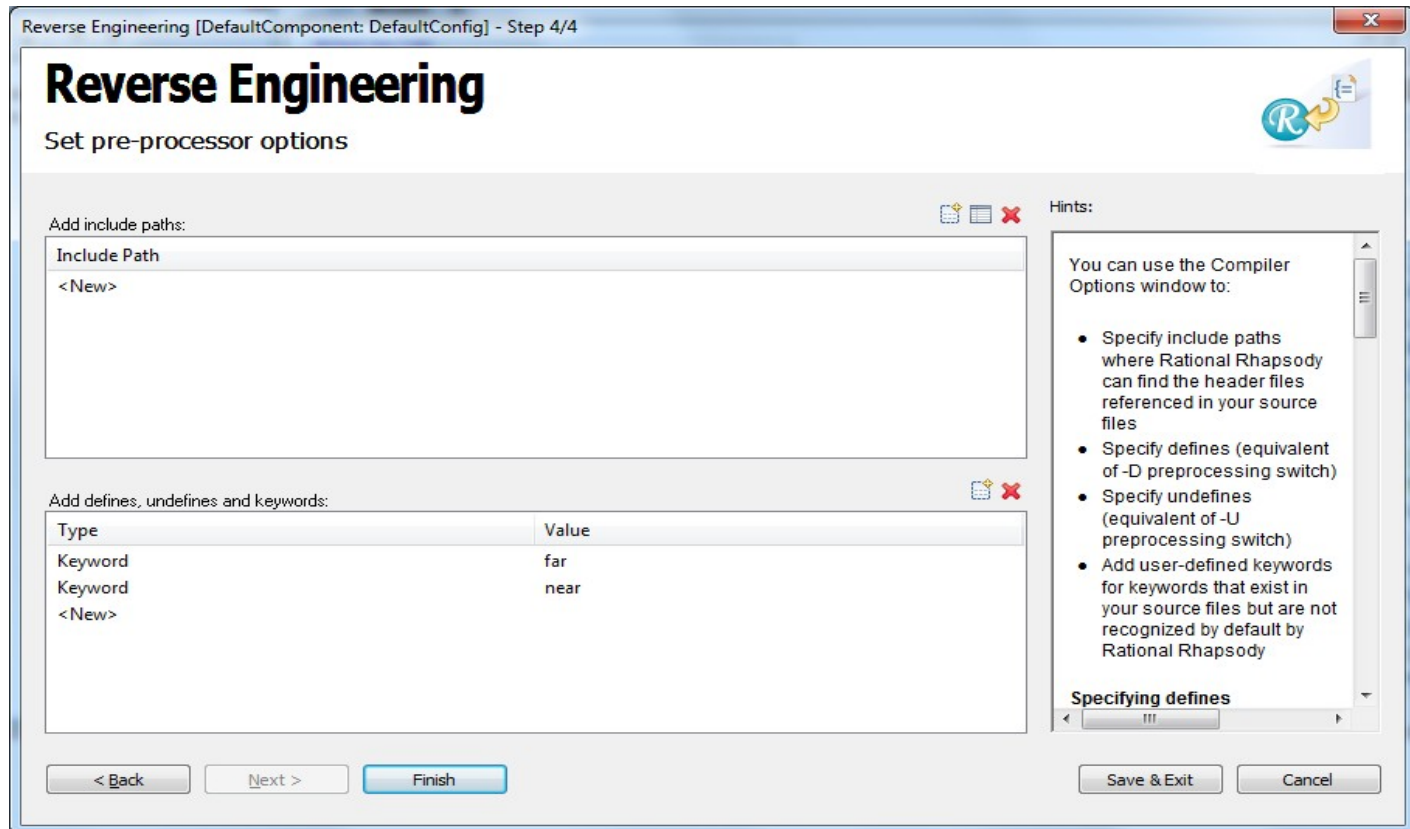
- The type of elements that should be created in the model to represent the elements from the code: ordinary model elements or "external" model elements. External elements are elements that are required by other elements in the model, but represent code that is maintained outside of Rational Rhapsody. When code is generated from the model, code is not generated for external

< Back    Next >    Finish    Save & Exit    Cancel



# New Improved Reverse Engineering Wizard [contd...]

- Also all the existing options have been retained and aligned to new User Interface format



# Graphic Editor Improvements

# Graphic Editor Improvements: State Chart / Activity Diagram

## State Chart Diagram

- Ability to display the Transitions numbers
  - Enable property **StatechartDiagram::General::ShowTransitionNumbers**
- Shallow / Deep History Connector as per UML standards
  - Enable property **StatechartDiagram::HistoryConnector::UseUMLNotation**

## Activity Diagram

- Provision to add Dependency from Diagram Toolbar

# Graphic Editor Improvements: Timing Diagram & Sequence Diagram

## Timing Diagram

- Ability to add Self Message between State Invariants
- Ability to add Timeout or Cancelled Timeout (same as Sequence Diagram)

## Sequence & Timing Diagram

- Create Arrow & Destroy Arrow now have Open head to comply with UML standards

## Object Model Diagram

- Port display options enhanced to display either Name or Interface Only

# Graphical User Interface Enhancements

# Graphical User Interface Enhancements

- Ability to sort all grid controls
- Ability to query all "Source Artifacts"
- Flow Feature Dialog made completely resizable
- Export to Microsoft Excel or CSV for Search results
- Export the Model Check results to Microsoft CSV

# Track Changes

# Track Changes

IBM Rational Rhapsody Developer for C++ - TrackChanges.rpy - [Object Model Diagram: Model1]

File Edit View Code Layout Tools Window Help

DefaultComponent DefaultConfig

Entire Model View

- Features...
- Add New
- Search...
- Search inside...
- Locate on Diagram
- References...
- Add to Favorites
- Browse from here
- Edit Unit...
- Configuration Management
- Format...
- Calculate ATG Requirements Coverage Summary
- Rational Rhapsody Gateway
- Apps
  - Track Changes ...
  - Allow Tooltip Customization
  - Import Apps
  - Search and Run

Track Changes

Date and Time: 2014/10/14 19:14:09 Username: Ankur

Topic: topic\_2014\_10\_14\_\_19\_14\_09

Description:

Change List

Label	Change Description	M...	Type	Fullpath	Date Modified
logged					
hidden					

Search change items in the active topic ...

Track Derived Changes

Legend

Added Elements Deleted Elements Modified Elements

Save and Log Close



# Questions

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# Thank You

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