Reactis® V2025

Released June 3, 2025

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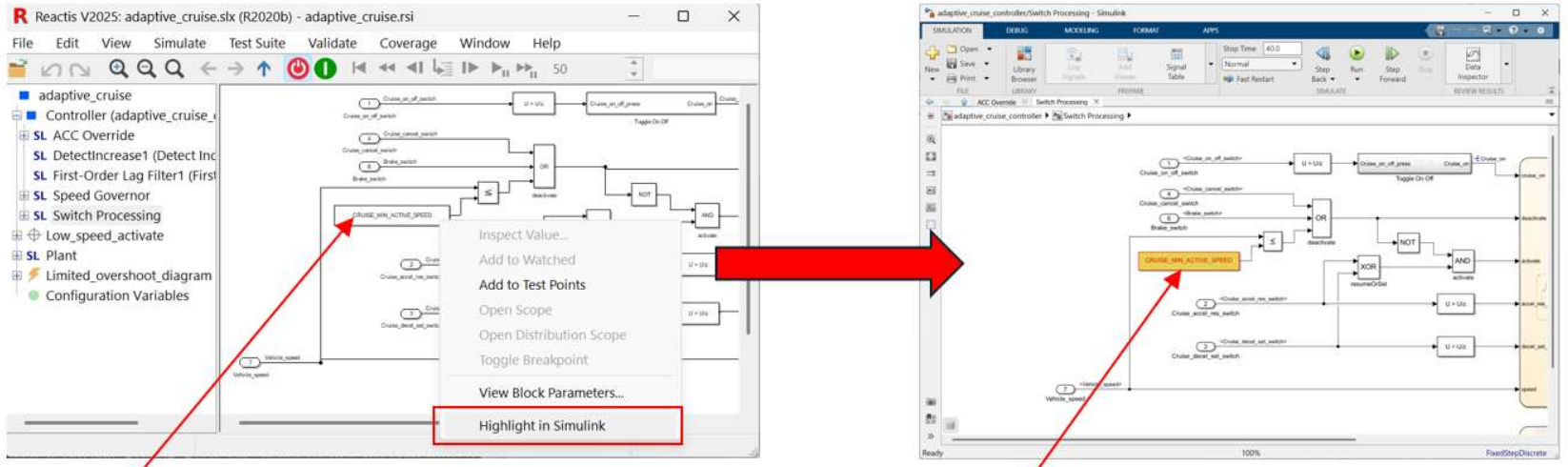
Open Current Model in Simulink®



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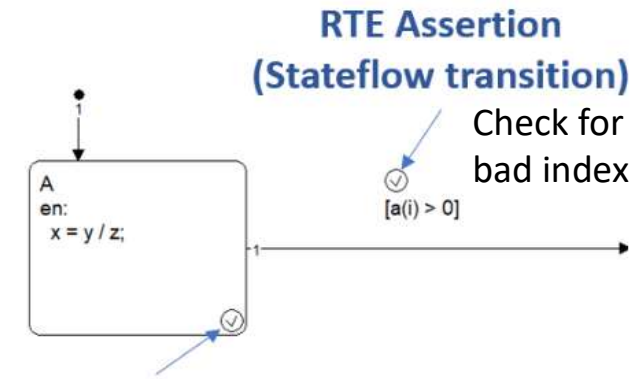
Run-Time Error Assertions in Stateflow®

- V2023 introduced runtime-error (RTE) assertions for Simulink blocks
- Checks for integer overflow, integer division by zero, Inf/NaN, Indexing errors
- V2025 extends RTE assertions to Stateflow



Check for integer division by zero

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Improved Static Analysis and Test Coverage

Improvements to Tester engine

- Identify more unreachable targets
- Exercise more coverage targets

Especially for

- Discrete Integrator, Rate Limiter, Weighted Sample Time Math blocks
- Integer division in models where Reactis is configured to produce an error on integer division by zero

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Linking to Natural Language Requirements

- Reactis Validator checks if model satisfies its requirements
- Prior to V2025 Reactis supported linking a Validator objective (assertion or user-defined target) to natural language requirement in Word or Excel document
- V2025 has generalized linking mechanism to support other requirements management tools, e.g., a web-based system.

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Other Improvements

- MATLAB R2025a.
- `circshift` in Embedded MATLAB®.
- Include Reactis version in CSV export.
- **File > Launch MATLAB with Reactis API** starts a MATLAB window with the Reactis API preconfigured for use.
- In **Edit > Error Checking,** set to continue test generation after detecting an indexing error in Stateflow.

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