

Design Space Exploration - Bug #4022

Creation of safety level constraint throws exception

05/14/2020 03:25 PM - Martin Eisenmann

Status:	Closed	Start date:	04/04/2018
Priority:	Normal	Due date:	04/04/2018
Assignee:		% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:	AF3 2.18 - Critical bugs fixed		
Description			
To reproduce: - Open ACC example - Switch to DSE perspective - Import ACC project - Open constraint editor - Create a safety level constraint for any ECU			
Expected behaviour: - A safety level constraint is created			
Obtained behaviour: - The attached exception is thrown and no constraint is created			
Related issues:			
Follows Change Request #3365: Commonize ExplorationTargets		Closed	04/03/2018

History

#1 - 05/14/2020 03:41 PM - Johannes Eder

- Assignee changed from Johannes Eder to Alexander Diewald

@Alex: Could you please have a look at this issue? I just looked into it and it seems that it happens since the refactoring. When creating a Safety Constraint, the returned ASIL annotation value of a component is null, although it is existing. I have no clue why that happens.

#2 - 05/15/2020 02:49 PM - Alexander Diewald

- Due date set to 04/04/2018

- Start date changed from 05/14/2020 to 04/04/2018

- Follows Change Request #3365: Commonize ExplorationTargets added

#3 - 05/21/2020 11:45 PM - Alexander Diewald

- Status changed from New to Resolved

- Assignee changed from Alexander Diewald to Johannes Eder

- % Done changed from 0 to 100

NOTE: THIS IS A SUCCESSOR OF [#4008](#)

(IT IS NOT POSSIBLE TO CREATE A DEPENDENCY)

MR: https://git.fortiss.org/af3/af3/-/merge_requests/338

NOTE: The kernel must be on branch 4008 for this. It will be reviewed and merged next week.

Please test extensively as large parts of the SafetyIntegrityLevel annotation were modified.

- Test the behavior in the ComponentArchitecture. Also child/parent dominance. Children are not editable while a parent is set to a certain SIL.
NOTE: Even if a child has a larger value, it will not be visible until the parent is unset. A child with a higher SIL would break encapsulation concepts.
- Test the annotation in the PlatformArchitecture.
- Test the DSE perspective. With the safety standard defined for the PA and not.

There is no test model attached on purpose.

#4 - 08/10/2020 02:32 PM - Johannes Eder

- Assignee changed from Johannes Eder to Martin Eisenmann

@Martin: Could you please test if the safety level creation works?

#5 - 09/01/2020 03:05 PM - Martin Eisenmann

- Assignee changed from Martin Eisenmann to Johannes Eder

#6 - 10/05/2020 09:44 AM - Johannes Eder

- Status changed from Resolved to Closed

- Assignee deleted (Johannes Eder)

Files

exception.txt	6.97 KB	05/14/2020	Martin Eisenmann
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