

Klever - Feature #10549

Feature # 8119 (Closed): Develop preset tags

Develop preset tags for CPAChecker SMG

10/21/2020 12:37 PM - Evgeny Novikov

Status: Closed	Start date: 10/21/2020
Priority: Urgent	Due date:
Assignee: Anton Vasilyev	% Done: 0%
Category: Preset jobs, marks and tags	Estimated time: 0.00 hour
Target version: 3.0	
Published in build:	
Description	
CPAChecker SMG has many tricky reasons of false alarms. As a result of this feature request I expect a subtree of corresponding tags with appropriate descriptions in any suitable form.	

History

#1 - 12/02/2020 08:18 PM - Anton Vasilyev

- String library (Unsupported functions like strlen, strcpy)
- PredicateSMG
 - Arithmetics (Arithmetics and assignments of nonexplicit values produces unknown symbolic value, which could result in false overflow report)
- SMG
 - Packed/aligned (Wrong size calculation of packed/aligned structures)
 - Abstraction (Incorrect memleak report of abstracted list segments)
 - Dynamic allocation (If analysis cannot calculates explicit size for allocation, it assumes that size is 3 byte)

#2 - 12/16/2020 08:27 PM - Evgeny Novikov

- Status changed from *New* to *Resolved*

I added these tags to preset ones in branch *bridge_9396*.

#3 - 12/16/2020 08:32 PM - Evgeny Novikov

- Status changed from *Resolved* to *Closed*

I merged this branch to master in [2625e7311](#) after CI passed test cases. This change is not backward compatible. Moreover, you should migrate your marks manually using preset tags as most as possible.