

Klever - Bug #9393

Problem with memleak visualization on absent return from void function

11/20/2018 01:57 PM - Anton Vasilyev

Status:	New	Start date:	11/20/2018
Priority:	Urgent	Due date:	
Assignee:	Ilja Zakharov	% Done:	0%
Category:	Results processing	Estimated time:	0.00 hour
Target version:	3.0	Published in build:	
Detected in build:	svn		
Platform:			

Description

For void functions with absent return:

```
/*
 * Use the Fisher-Yates shuffle algorithm on an array of lines.
 */
static void shuffle_lines(char **lines, unsigned numlines)
{
    unsigned i;
    unsigned r;
    char *tmp;

    srand(monotonic_us());

    for (i = numlines-1; i > 0; i--) {
        r = rand();
        /* RAND_MAX can be as small as 32767 */
        if (i > RAND_MAX)
            r ^= rand() << 15;
        r %= i + 1;
        tmp = lines[i];
        lines[i] = lines[r];
        lines[r] = tmp;
    }
}
```

SMG generates warning edge without source code like:

```
<edge source="A85098" target="A85104">
  <data key="returnFrom">shuffle_lines</data>
  <data key="warning">Memory leak is detected</data>
</edge>
```

Require to specify Klever and SMG interaction for this corner case.

History

#1 - 11/26/2018 03:23 PM - Ilja Zakharov

- Target version set to 3.0

- Priority changed from Normal to Urgent

- Assignee set to *Ilya Zakharov*
- Category set to *Results processing*