art - Bug #5831

Support # 7559 (Closed): Memory check issues for Sirius A

SimpleMemoryCheck affected by overflow errors

04/04/2014 04:50 PM - Gianluca Petrillo

Status:	Closed	**Start date:**	04/04/2014
Priority:	Normal	**Due date:**	
Assignee:	Kyle Knoepfel	**% Done:**	100%
Category:	Infrastructure	**Estimated time:**	3.00 hours
Target version:	1.13.00	**Spent time:**	2.00 hours
Occurs In:		**Experiment:**	-
Scope:	Internal	**SSI Package:**	art

Description

It happens that the counters used in the SimpleMemoryCheck service code hit the 4Gi limit of the 32 bit integers and wrap up.
Please use the format specifiers suggested in `man 5 proc` to read /proc/PID/stat, and use matching data types.

Related issues:

Related to art - Bug #2233: SimpleMemoryChecker needs to be able to cope with...	**Closed**	**11/29/2011**	**09/30/2013**

History

#1 - 04/07/2014 11:39 AM - Christopher Green

- Subject changed from SimpleMemoryCkeck affected by overflow errors to SimpleMemoryCheck affected by overflow errors

- Category set to Infrastructure

- Status changed from New to Accepted

- Target version set to 1.09.03

- Estimated time set to 3.00 h

This (and the related issue #2233) should be addressed for the next release.

#2 - 05/06/2014 02:49 PM - Christopher Green

- Target version changed from 1.09.03 to 1.13.00

#3 - 12/19/2014 03:15 PM - Kyle Knoepfel

- Parent task set to #7559

#4 - 12/19/2014 03:16 PM - Kyle Knoepfel

- Assignee set to Kyle Knoepfel

#5 - 12/22/2014 09:11 AM - Kyle Knoepfel

- Status changed from Accepted to Assigned

#6 - 01/09/2015 10:34 AM - Kyle Knoepfel

- Status changed from Assigned to Resolved

- % Done changed from 0 to 100

The integer types of vsize (unsigned long) and rss (long) are now compatible with those specified by procfs. Any wrapping issues due to exceeding the maximum allowed value of either type will now be due to limitations of the operating system.

Implemented with fbc282dd.

#7 - 02/16/2015 10:32 AM - Christopher Green

- Status changed from Resolved to Closed