

art - Feature #18923

Printout option of Memory Tracker service

02/08/2018 01:57 PM - Liang Li

Status:	Closed	Start date:	02/08/2018
Priority:	High	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Scope:	Internal	SSI Package:	art
Experiment:	g-2		

Description

The output of memory tracker service has recently changed from a direct printing on screen to saving everything into a SQL database file. This has made the debugging process more difficult and more time consuming. If there is a switch or option to revert this change to use the previous printing output instead (the default output can be still the SQL database), it would be nice to have, thanks!

History

#1 - 02/12/2018 11:37 AM - Kyle Knoepfel

- Status changed from New to Feedback

The per-module information for the MemoryTracker is no longer printed at the end of the job due to issues with maintainability. In order to get the information, you should use the sqlite3 scripts that are installed with your version of art. Keep in mind that the column width may truncate what you see on the screen.

We are happy to assist you in figuring out how to use the SQLite scripts.

```
# Check which SQLite scripts are available (make sure you have art set up first)
```

```
$ ls -l $ART_DIR/tools/sqlite/memoryTracker
max-delta-rss-events.sql
max-delta-rss-modules.sql
max-delta-vsize-events.sql
max-delta-vsize-modules.sql
max-rss-events.sql
max-rss-modules.sql
max-vsize-events.sql
max-vsize-modules.sql
peak-summary.sql
```

```
# Now take your db, and choose one of the scripts (e.g.) "max-delta-rss-modules.sql":
```

```
$ sqlite3 -header -column my-own-memoryTracker.db < $ART_DIR/tools/sqlite/memoryTracker/max-delta-rss-modules.sql
```

Path	ModuleLabel	ModuleType	DeltaRSS (MB)	Run	SubRun	Event
p1	TriggerResults	TriggerResultInserter	1.081344	1	0	1
p1	TriggerResults	TriggerResultInserter	0.8110080000	1	0	3
p1	TriggerResults	TriggerResultInserter	0.5406720000	1	0	2
p1	a1	TestSimpleMemoryCheck	0.5406720000	1	0	6
p1	a1	TestSimpleMemoryCheck	0.5406720000	1	0	7
p1	a1	TestSimpleMemoryCheck	0.5406720000	1	0	8
p1	a1	TestSimpleMemoryCheck	0.5406720000	1	0	9
p1	a1	TestSimpleMemoryCheck	0.5406720000	1	0	10
p1	a2	TestSimpleMemoryCheck	0.5406720000	1	0	1
p1	a2	TestSimpleMemoryCheck	0.5406720000	1	0	4
p1	a2	TestSimpleMemoryCheck	0.5406720000	1	0	7
p1	a2	TestSimpleMemoryCheck	0.5406720000	1	0	8
p1	a2	TestSimpleMemoryCheck	0.5406720000	1	0	10
p1	a3	TestSimpleMemoryCheck	0.5406720000	1	0	3
p1	a3	TestSimpleMemoryCheck	0.5406720000	1	0	4
p1	a3	TestSimpleMemoryCheck	0.5406720000	1	0	10

#2 - 06/06/2018 08:32 AM - Kyle Knoepfel

- Status changed from Feedback to Closed