artdaq Demo - Bug #9817

gcc 4_9_2 "internal compiler error" -- memory issue.

08/13/2015 11:12 AM - Ron Rechenmacher

Status:	Closed		**Start date:**	08/13/2015
Priority:	Normal		**Due date:**	
Assignee:			**% Done:**	0%
Category:	Under Consideration		**Estimated time:**	0.00 hour
Target version:	artdaq-demo v2_10_00			
Co-Assignees:				

Description

It seems that artdaq demo will not run on a system with less than about 5 or 6 GB of
RAM and 2 GB of swap.

We should think about adding a check for the amount of memory a system has.
On my system, which had 4 GB RAM and 2 GB swap, the OOM (Out Of Memory) monitoring
ended up killing my firefox processes and then g++ also.

History

#1 - 05/04/2016 04:20 PM - Eric Flumerfelt

- Target version set to 981

#2 - 01/13/2017 03:21 PM - Eric Flumerfelt

- Category set to Under Consideration

- Target version deleted (981)

This is still an issue, and should probably be implemented in quick-mrb-start.sh. We should do some experimentation to determine at about what
memory floor issues start to occur, and if there's any dependence on the value of CETPKG_J.

#3 - 05/30/2017 01:56 PM - Eric Flumerfelt

- Status changed from New to Resolved

- Target version set to artdaq-demo Next Release

Doing a clean build of all artdaq packages led to the following line of output:
667.89user 49.71system 4:04.09elapsed 293%CPU (0avgtext+0avgdata 785092maxresident)k
165328inputs+3376400outputs (70major+21085688minor)pagefaults 0swaps

I have added a note to Installing_and_building_the_demo, about recommended minimum specs, and I don't really think there's anything else we can
do about this at this time.

#4 - 05/30/2017 03:54 PM - Eric Flumerfelt

Testing with a virtual machine yields the following result: 1.5 GB of RAM is insufficient, while 2 GB works. This is for a slf6 e14:s46 build using
develop (~artdaq v2_02_03).

#5 - 06/01/2017 12:54 PM - Eric Flumerfelt

- Status changed from Resolved to Closed

- Target version changed from artdaq-demo Next Release to artdaq-demo v2_10_00