After learning to build Athena in Shell 1 Building Athena

I built ROOT with my changes in Shell 2,

going back to Shell 1, I have my modified athena selected using

```
source ../build/x86_64-cnetos7-gcc11-opt/setup.sh
```

Again, in shell 1, running each of the following export commands I have a version of my own ROOT and my own Athena

```
[akraus@aiatlasbm004 build]$ cd ..
[akraus@aiatlasbm004 athenaWork]$ ls -l
total 16
drwxr-xr-x. 38 akraus zp 4096 Jul 4 21:48 athena
drwxr-xr-x. 6 akraus zp 4096 Jul 22 22:18 build
                         6 Jul 6 20:00 install
drwxr-xr-x. 2 akraus zp
-rw-r--r--. 1 akraus zp 1115 Jul 22 22:09 package_filters.txt
drwxr-xr-x. 2 akraus zp 4096 Jul 22 22:04 run
[akraus@aiatlasbm004 athenaWork]$ export ROOTSYS=/data/akraus/projectS/install/
[akraus@aiatlasbm004 athenaWork]$ export LD_LIBRARY_PATH=$ROOTSYS/lib:$LD_LIBRARY_PATH
[akraus@aiatlasbm004 athenaWork]$ export PYTHONPATH=$ROOTSYS/lib:$PYTHONPATH
[akraus@aiatlasbm004 athenaWork]$ export PATH=$ROOTSYS/bin:$PATH
[akraus@aiatlasbm004 athenaWork]$ which root
/data/akraus/projectS/install/bin/root
[akraus@aiatlasbm004 athenaWork]$ which athena
cvmfs/atlas-nightlies.cern.ch/repo/sw/main_Athena_x86_64-centos7-gcc11-opt/2023-07-21T2101/A/
thena/24.0.8/InstallArea/x86_64-centos7-gcc11-opt/bin/athena
[akraus@aiatlasbm004 athenaWork]$
```

next is to see if I can run the derivation job Phase 5 - Running a derivation job on modified Athena

5:04 PM: It's running

#### 5:08PM

```
88 /cmts/atlas-nightles.cem.ch/repo/su/main_Athema_88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.9.12-9albc/88_64-centos7-gccl1-opt/su/cg/releases/Python/3.
```

### and it crashed

# this time, running

# and rerunning the derivation job

# 5:15PM showing much more progress

## Some differences

16:20:55 AthenaPoolCnvSvc 16:20:55 AthenaPoolCnvSvc 16:20:55 AthenaPoolCnvSvc	<pre>INFO PerfStats INFO PerfStats Timing Measurements for Ather INFO PerfStats</pre>	 naPoolCnvSvc
16:20:55 AthenaPoolCnvSvc 16:20:55 AthenaPoolCnvSvc 16:20:55 AthenaPoolCnvSvc	INFO PeristatsINFO Peristats   fRep_ALL   INFO Peristats   commitOutput	94 ms   80 ms
16:20:55 AthenaPoolCnvSvc 16:20:55 AthenaPoolCnvSvc	INFO PerfStats   cObjR_ALL   INFO PerfStats   cRep_ALL	2311 ms   118 ms
16:20:55 AthenaPoolCnvSvc 16:20:55 AthenaPoolCnvSvc 16:20:55 AthenaPoolCnvSvc	<pre>INFO PerfStats   cObj_ALL</pre>	2839 ms   39 ms   

```
16:20:55 *****Chrono*****
16:20:55 *****Chrono*****
                                                             INFO
16:20:55 *******Chrono******
16:20:55 *******Chrono******
16:20:55 InDetCommonMuonsKer...
16:20:55 BadBatmanAugmen...
                                                                                                                  *******
0 [us]
0 [us]
0 [us]
0 [us]
0 [us]
0 [us]
                                                                                                                                                                        0(+-
0(+-
0(+-
                                                                                                                                                                                                                                     0 [us]
0 [us]
0 [us]
                                                             INFO Time User
                                                                                                                                                                                                                  0/
0/
                                                                                                                                                                                                                                                  #= 10
#= 10
#= 10
#= 10
#= 10
#= 10
#= 10
#= 10
#= 10
#= 10
                                                                                                                                 Ave/Min/Max=
                                                             INFO Time User
INFO Time User
                                                                                                                                 Ave/Min/Max=
Ave/Min/Max=
                                                                                                   Tot=
16:20:55 JetCommon_TauAu...
16:20:55 DistanceInTrain...
16:20:55 InDetCommonKern...
                                                                                                                                                                                                                                         [us]
[us]
[us]
                                                             INFO Time User
                                                                                                                                 Ave/Min/Max=
                                                             INFO Time User
INFO Time User
                                                                                                                                 Ave/Min/Max=
Ave/Min/Max=
                                                                                                                                                                        0(+-
0(+-
                                                                                                   Tot=
                                                                                                                 10 [ms]
10 [ms]
10 [ms]
50 [ms]
50 [ms]
70 [ms]
80 [ms]
                                                                                                                                                                                       3)/
3)/
12)/
15)/
9)/
                                                                                                                                                                                                                                         [ms]
[ms]
[ms]
[ms]
[ms]
16:20:55 TauJets_MuonRM_...
16:20:55 DFCommonMuonsKe...
16:20:55 TauJets_TauIDDe...
                                                                                                                                                                        1(+-
                                                                                                                                                                                                                                  10
10
40
50
30
50
                                                             INFO Time User
                                                                                                                                 Ave/Min/Max=
                                                             INFO Time User INFO Time User
                                                                                                                                 Ave/Min/Max=
Ave/Min/Max=
                                                                                                                                                                                                                  0/
0/
                                                                                                   Tot=
                                                                                                   Tot=
                                                                                                                                                                        5(+-
5(+-
7(+-
8(+-
16:20:55 DFCommonHSDecor...
16:20:55 InDetCommonKern...
16:20:55 EGammaCommonKernel
                                                                                                                                                                                                                  0/
0/
0/
                                                             INFO Time User
                                                                                                                                 Ave/Min/Max=
                                                             INFO Time User INFO Time User
                                                                                                   Tot=
Tot=
                                                                                                                                 Ave/Min/Max=
Ave/Min/Max=
16:20:55 PHYSKernel
16:20:55 ChronoStatSvc
16:20:55 ChronoStatSvc
16:20:55 ChronoStatSvc.f...
                                                             INFO Time User
INFO Time User
                                                                                               : Tot= 1.22
: Tot= 27.7
                                                                                                                         [s] Ave/Mir
[s] #= 1
                                                                                                                                                                0.122(+-
                                                                                                                                                                                      0.359)/
                                                             INF0
                                                             INFO
                                                                       Service finalized successfully
                                                            INFO FPE SUMMARY FOR THIS JOB
INFO FPE OVERFLOWS: 0
INFO FPE INVALIDS: 0
INFO FPE DIVBYZEROS: 0
16:20:55 FPEAuditor
16:20:55 FPEAuditor
16:20:55 FPEAuditor
16:20:55 FPEAuditor
```

```
16:20:56 PerfMonMTSvo
                                    INF0
16:20:56 PerfMonMTSvc
                                   INF<sub>0</sub>
                                                                                PerfMonMTSvc Report
16:20:56 PerfMonMTSvc
                                   INFO =
                                   INFO IMPORTANT: PLEASE NOTE THAT THIS SERVICE IS CURRENTLY IN R&D PHASE.
16:20:56 PerfMonMTSvc
16:20:56 PerfMonMTSvc
                                                       FOR FURTHER INFORMATION/QUERIES PLEASE GET IN TOUCH WITH THE SPOT TEAM.
                                   INF0
16:20:56 PerfMonMTSvc
                                   INFO ==
                                   INFO *** Full set of information can also be found in: perfmonmt_Derivation.json INFO *** In order to make plots using the results run the following commands:
16:20:56 PerfMonMTSvc
16:20:56 PerfMonMTSvc
16:20:56 PerfMonMTSvc
                                   INFO *** $ perfmonmt-plotter.py -i perfmonmt_Derivation.json
INFO *** In order to print tables using the results run the following commands:
16:20:56 PerfMonMTSvc
16:20:56 PerfMonMTSvc
16:20:56 PerfMonMTSvc
16:20:56 PerfMonMTSvc
                                   INFO *** $ perfmonmt-printer.py -i perfmonmt_Derivation.json
                                   INF0 =====
                                                                               Event Level Monitoring
                                   INF0
16:20:56 PerfMonMTSvc
16:20:56 PerfMonMTSvc
16:20:56 PerfMonMTSvc
16:20:56 PerfMonMTSvc
                                                   (Only the first 10 and the last measurements are explicitly printed)
                                   INF0
                                   INFO ==
                                                                                                                                   Swap [kB]
                                                                                        Vmem [kB]
                                                            CPU [s]
                                                                          Wall [s]
                                   INFO Event
                                                                                                       Rss [kB]
                                                                                                                     Pss [kB]
                                   INF<sub>0</sub>
16:20:56 PerfMonMTSvc
16:20:56 PerfMonMTSvc
16:20:56 PerfMonMTSvc
16:20:56 PerfMonMTSvc
                                                            45.90
                                                                          54.21
                                                                                        3008220
                                                                                                       2100764
                                                                                                                     2097563
                                                                                                                                   0
                                   INF0
                                   INF0 ===
                                   INF0
                                                                               Snapshots Summary
                                   INFO =
                                   INFO Step
                                                        dCPU [s]
                                                                       dWall [s]
                                                                                     <CPU> dVmem [kB] dRss [kB] dPss [kB] dSwap [kB]
16:20:56 PerfMonMTSvc
16:20:56 PerfMonMTSvc
16:20:56 PerfMonMTSvc
                                   INF<sub>0</sub>
                                                                                             1586532
                                                                                                          1182532
                                   INFO Configure
                                                         27.18
                                                                       30.196
                                                                                     0.90
                                                                                                                       1179475
16:20:56 PerfMonMTSvc
                                                                                             1249472
                                                                                                          838932
                                   INFO Initialize
INFO FirstEvent
                                                                       20.591
14.338
                                                                                     0.85
                                                         17.54
                                                                                                                       838789
                                                                                                                                    0
16:20:56 PerfMonMTSvc
                                                                                                          946152
                                                                                             1070300
                                                                                                                                    0
                                                         11.65
                                                                                     0.81
                                                                                                                       946147
                                   INFO Execute
INFO Finalize
16:20:56 PerfMonMTSvc
16:20:56 PerfMonMTSvc
                                                                       4.268
                                                                                                          26268
                                                                                                                       26268
                                                                                                                                    0
                                                        4.26
                                                                                     1.00
                                                                                             776
                                                                       0.417
                                                        0.41
                                                                                     0.98
                                                                                                          308
                                                                                                                       308
                                                                                                                                    0
16:20:56 PerfMonMTSvc
16:20:56 PerfMonMTSvc
                                   INFO Number of events processed:
                                                                                   10
16:20:56 PerfMonMTSvc
16:20:56 PerfMonMTSvc
                                   INFO CPU usage per event [ms]:
INFO Events per second:
INFO CPU utilization efficiency [%]:
                                                                                   1591
                                                                                   0.537
16:20:56 PerfMonMTSvc
16:20:56 PerfMonMTSvc
                                   INFO ******************
                                                                                  *****************
16:20:56 PerfMonMTSvc
                                   INFO Max Vmem:
                                                                                   2.87 GB
16:20:56 PerfMonMTSvc
                                   INFO Max Rss:
                                                                                   2.00 GB
16:20:56 PerfMonMTSvc
                                   INFO Max Pss:
                                                                                   2.00 GB
16:20:56 PerfMonMTSvc
                                   INFO Max Swap:
                                                                                   0.00 KB
16:20:56 PerfMonMTSvc
                                   TNF0 ***************************
                                                                                  **********<del>*</del>***********
16:20:56 PerfMonMTSvc
                                   INFO Leak estimate per event Vmem:
                                                                                  0.00 KB
                                   INFO Leak estimate per event Pss: 0.00 KB
INFO >> Estimated using the last 0 measurements from the Event Level Monitoring
16:20:56 PerfMonMTSvc
16:20:56 PerfMonMTSvc
                                           >> Events prior to the first 25 are omitted...
16:20:56 PerfMonMTSvc
                                   INFO
16:20:56 PerfMonMTSvc
                                   INFO
16:20:56 PerfMonMTSvc
                                   INFO
                                                                                 System Information
16:20:56 PerfMonMTSvc
                                   INFO =
16:20:56 PerfMonMTSvc
                                   INFO CPU Model:
                                                                                   AMD EPYC 7302 16-Core Processor 512 KB
16:20:56 PerfMonMTSvc
                                   INFO Number of Available Cores:
                                                                                   64
16:20:56 PerfMonMTSvc
                                   INFO Total Memory:
                                                                                   251.67 GB
16:20:56 PerfMonMTSvc
                                   INFO
16:20:56 PerfMonMTSvc
                                   INFO
                                                                              Environment Information
16:20:56 PerfMonMTSvc
                                   INF0
16:20:56 PerfMonMTSvc
                                   INFO Malloc Library:
                                                                                   libtcmalloc minimal.so
16:20:56 PerfMonMTSvc
                                   INFO Math Library:
                                                                                   libimf.so
16:20:56 PerfMonMTSvc
                                   INF0
16:20:56 ApplicationMgr
                                   INFO Application Manager Finalized successfully
16:20:56 ApplicationMgr
                                   INFO Application Manager Terminated successfully
          leaving with code 0:
                                   "successful run"
```

### After modification

, a con modification		
23:16:37 AthDictLoaderSvc	INFO in finalize	
23:16:37 AthenaPoolCnvSvc	INFO PerfStats	
23:16:37 AthenaPoolCnvSvc	INFO PerfStats Timing Measurements for AthenaPoolCnvSvc	
23:16:37 AthenaPoolCnvSvc	INFO PerfStats	
23:16:37 AthenaPoolCnvSvc	INFO PerfStats   fRep_ALL   123 ms	
23:16:37 AthenaPoolCnvSvc	INFO PerfStats   commitOutput   81 ms	
23:16:37 AthenaPoolCnvSvc	INFO PerfStats   cObjR_ALL   2129 ms	
23:16:37 AthenaPoolCnvSvc	INFO PerfStats   cRep_ALL   83 ms	
23:16:37 AthenaPoolCnvSvc	INFO PerfStats   cObj_ALL   2511 ms	
23:16:37 AthenaPoolCnvSvc	INFO PerfStats   cRepR_ALL   40 ms	
23:16:37 AthenaPoolCnvSvc	TNFO PerfStats	

```
************
 23:16:37 *****Chrono****
                                         The Final CPU consumption ( Chrono ) Table (ordered)
                                    INFO
23:16:37 *****Chrono*****
                                    INFO ****************
23:16:37 InDetCommonKern...
23:16:37 DFCommonMuonsKe...
23:16:37 JetCommon_TauAu...
23:16:37 BadBatmanAugmen...
                                    TNFO Time User
                                                        : Tot=
                                                                   0 [us] Ave/Min/Max=
                                                                                                                           0/
                                                                                                                                        [us] #= 10
                                                                                                               0)/
0)/
                                    INF0
                                         Time User
                                                          Tot=
                                                                   0
                                                                      [us]
                                                                            Ave/Min/Max=
                                                                                                  0(+-
                                                                                                                           0/
                                                                                                                                        [us]
                                                                                                                                             #= 10
                                                                   0 [us]
                                                                                                                                             #= 10
                                                                            Ave/Min/Max=
                                    INF<sub>0</sub>
                                         Time User
                                                                                                                           0/
                                                                                                                                        [us]
                                    INF0
                                                                            Ave/Min/Max=
                                                                                                                                             #= 10
                                         Time User
                                                                                                                                        [us]
                                                                      [us]
                                                                      [us]
23:16:37 DistanceInTrain...
                                    INF0
                                         Time User
                                                                            Ave/Min/Max=
                                                                                                                                        [us]
                                                                                                                                                 10
23:16:37 InDetCommonKern...
23:16:37 TauJets_MuonRM_...
                                    INFO Time User
                                                                      [us]
                                                                            Ave/Min/Max=
                                                                                                  0(+-
                                                                                                                                     0
                                                                                                                                        [us]
                                                                                                               0)/
                                                                                                                                        [us]
                                                                                                                                             #= 10
                                    TNF0
                                         Time User
                                                        : Tot=
                                                                   0
                                                                      [us]
                                                                            Ave/Min/Max=
                                                                                                  0(+-
                                                                                                                           0/
                                                                                                                                     0
23:16:37 DFCommonMuonsKe...
                                                          Tot=
                                                                            Ave/Min/Max=
                                                                                                                                             #= 10
                                    INFO
                                                                  20
                                                                                                                           0/
                                         Time User
                                                                      [ms]
                                                                                                                                        [ms]
23:16:37 TauJets_TauIDDe...
                                    INF0
                                         Time User
                                                                      [ms
                                                                            Ave/Min/Max=
                                                                                                                                    30
                                                                                                                                        [ms]
23:16:37 DFCommonHSDecor...
23:16:37 InDetCommonKern...
23:16:37 EGammaCommonKernel
                                    INF0
                                         Time User
                                                                      [ms]
                                                                            Ave/Min/Max=
                                                                                                                                    50
                                                                                                                                        [ms]
                                                                                                                                                 10
                                    INFO Time User
                                                        : Tot=
                                                                  70
                                                                      [ms]
                                                                            Ave/Min/Max=
                                                                                                            6.4)/
                                                                                                                                        [ms]
                                                                                                                                             #= 10
                                                                100
                                                                                                 10(+-
                                                                                                                                    60
                                                                                                                                        [ms] #= 10
[s] #= 10
                                    TNFO Time User
                                                        : Tot=
                                                                      [ms]
                                                                            Ave/Min/Max=
                                                                                                           17.3)/
                                                                                                                           0/
                                                        : Tot= 1.26
23:16:37 PHYSKernel
                                                                                                                                  1.26
                                    INFO
                                                                       [s]
[s]
                                                                            Ave/Min/Max=
                                                                                             0.126(+-
                                                                                                          0.378)/
                                         Time User
23:16:37 ChronoStatSvc
                                                        : Tot= 28.4
                                    INF0
                                         Time User
                                    INF0
                                         ***********
23:16:37 ChronoStatSvc.f...
                                    INF0
                                          Service finalized successfully
                                    INFO FPE summary for this job
INFO FPE OVERFLOWS : 0
23:16:37 FPEAuditor
23:16:37 FPEAuditor
 23:16:37 FPEAuditor
                                          FPE INVALIDS
```

```
23:16:37 PerfMonMTSvc
23:16:37 PerfMonMTSvc
                                    INF0
                                                                                 PerfMonMTSvc Report
                                    INF<sub>0</sub>
23:16:37 PerfMonMTSvc
                                    INF0
                                         IMPORTANT : PLEASE NOTE THAT THIS SERVICE IS CURRENTLY IN R&D PHASE.
FOR FURTHER INFORMATION/QUERIES PLEASE GET IN TOUCH WITH THE SPOT TEAM.
23:16:37 PerfMonMTSvc
                                    INF0
23:16:37 PerfMonMTSvc
                                    INFO
23:16:37 PerfMonMTSvc
                                    INF0
                                    INFO **** Full set of information can also be found in: perfmonmt_Derivation.json INFO *** In order to make plots using the results run the following commands: INFO *** $ perfmonmt-plotter.py -i perfmonmt_Derivation.json INFO *** In order to print tables using the results run the following commands: INFO *** $ perfmonmt-printer.py -i perfmonmt_Derivation.json
23:16:37 PerfMonMTSvc
23:16:37 PerfMonMTSvc
23:16:37 PerfMonMTSvc
23:16:37 PerfMonMTSvc
23:16:37 PerfMonMTSvc
23:16:37 PerfMonMTSvc
                                    INFO =
23:16:37 PerfMonMTSvc
                                    INF0
                                                                               Event Level Monitoring
23:16:37 PerfMonMTSvc
                                    INF0
                                                   (Only the first 10 and the last measurements are explicitly printed)
23:16:37 PerfMonMTSvc
                                    INFO
23:16:37 PerfMonMTSvc
                                    INFO Event
                                                            CPU [s]
                                                                           Wall [s]
                                                                                         Vmem [kB]
                                                                                                       Rss [kB]
                                                                                                                     Pss [kB]
                                                                                                                                    Swap [kB]
23:16:37 PerfMonMTSvc
                                    INF0
23:16:37 PerfMonMTSvc
                                    INFO 1
                                                            46.01
                                                                           52.57
                                                                                         3007960
                                                                                                       2089992
                                                                                                                     2086813
23:16:37 PerfMonMTSvc
                                    INFO ==
23:16:37 PerfMonMTSvc
                                    INF0
                                                                               Snapshots Summary
23:16:37 PerfMonMTSvc
                                    INFO =
23:16:37 PerfMonMTSvc
                                    INFO Step
                                                         dCPU [s]
                                                                                     <CPU> dVmem [kB] dRss [kB] dPss [kB] dSwap [kB]
                                                                       dWall [s]
23:16:37 PerfMonMTSvc
                                    INF0
23:16:37 PerfMonMTSvc
                                    INFO Configure
                                                         27.39
                                                                       30.399
                                                                                     0.90
                                                                                              1587652
                                                                                                           1183484
                                                                                                                        1180449
                                                                       18.766
14.534
                                                                                     0.93
0.81
23:16:37 PerfMonMTSvc
                                                         17.44
11.84
                                    INFO Initialize
                                                                                              1252108
                                                                                                           831168
                                                                                                                        831024
                                                                                                                                     0
23:16:37 PerfMonMTSvc
                                    INFO FirstEvent
                                                                                              1061492
                                                                                                                        936872
                                                                                                           936872
                                                                                                                                     0
23:16:37 PerfMonMTSvc
                                                                                                                        25244
                                    INFO Execute
                                                                                              784
                                                                                                           25244
                                                         4.29
                                                                       4.293
                                                                                     1.00
                                                                                                                                     0
23:16:37 PerfMonMTSvc
                                    INFO Finalize
                                                         0.39
                                                                       0.394
                                                                                     0.99
                                                                                                           1720
                                                                                                                        1720
                                                                                                                                     0
23:16:37 PerfMonMTSvc
                                    INFO ***********
23:16:37 PerfMonMTSvc
                                    INFO Number of events processed:
23:16:37 PerfMonMTSvc
                                    INFO CPU usage per event [ms]:
                                                                                   1613
23:16:37 PerfMonMTSvc
                                    INFO Events per second:
                                                                                   0.531
23:16:37 PerfMonMTSvc
                                    INFO CPU utilization efficiency [%]:
                                                                                   89
23:16:37 PerfMonMTSvc
                                    INFO Max Vmem:
                                                                                   2.87 GB
23:16:37 PerfMonMTSvc
23:16:37 PerfMonMTSvc
                                    INFO Max Rss:
                                                                                   1.99 GB
23:16:37 PerfMonMTSvc
                                    INFO Max Pss:
                                                                                   1.99 GB
23:16:37 PerfMonMTSvc
                                    INFO Max Swap:
                                                                                   0.00 KB
23:16:37 PerfMonMTSvc
                                    INFO ***************
23:16:37 PerfMonMTSvc
                                    INFO Leak estimate per event Vmem:
                                                                                   0.00 KB
23:16:37 PerfMonMTSvc
                                    INFO Leak estimate per event Pss:
                                                                                   0.00 KB
                                           >> Estimated using the last 0 measurements from the Event Level Monitoring
>> Events prior to the first 25 are omitted...
23:16:37 PerfMonMTSvc
                                    TNFO
23:16:37 PerfMonMTSvc
23:16:37 PerfMonMTSvc
                                    INF<sub>0</sub>
                                    INF0
23:16:37 PerfMonMTSvc
                                    INF0
                                                                                  System Information
23:16:37 PerfMonMTSvc
                                    INF0
23:16:37 PerfMonMTSvc
                                    INFO CPU Model:
                                                                                   AMD EPYC 7302 16-Core Processor 512 KB
23:16:37 PerfMonMTSvc
                                    INFO Number of Available Cores:
                                                                                   64
23:16:37 PerfMonMTSvc
                                    INFO Total Memory:
                                                                                   251.67 GB
23:16:37 PerfMonMTSvc
                                    TNF0 ========
23:16:37 PerfMonMTSvc
                                    INF<sub>0</sub>
                                                                              Environment Information
23:16:37 PerfMonMTSvc
                                    INF0
23:16:37 PerfMonMTSvc
                                    INFO Malloc Library:
                                                                                   libtcmalloc_minimal.so
23:16:37 PerfMonMTSvc
                                    INFO Math Library:
                                                                                   libimf.so
23:16:37 PerfMonMTSvc
                                    INF0
                                    INFO Application Manager Finalized successfully INFO Application Manager Terminated successfully
23:16:37 ApplicationMgr
23:16:37 ApplicationMgr
23:16:39 leaving with code 0: "successful run"
```