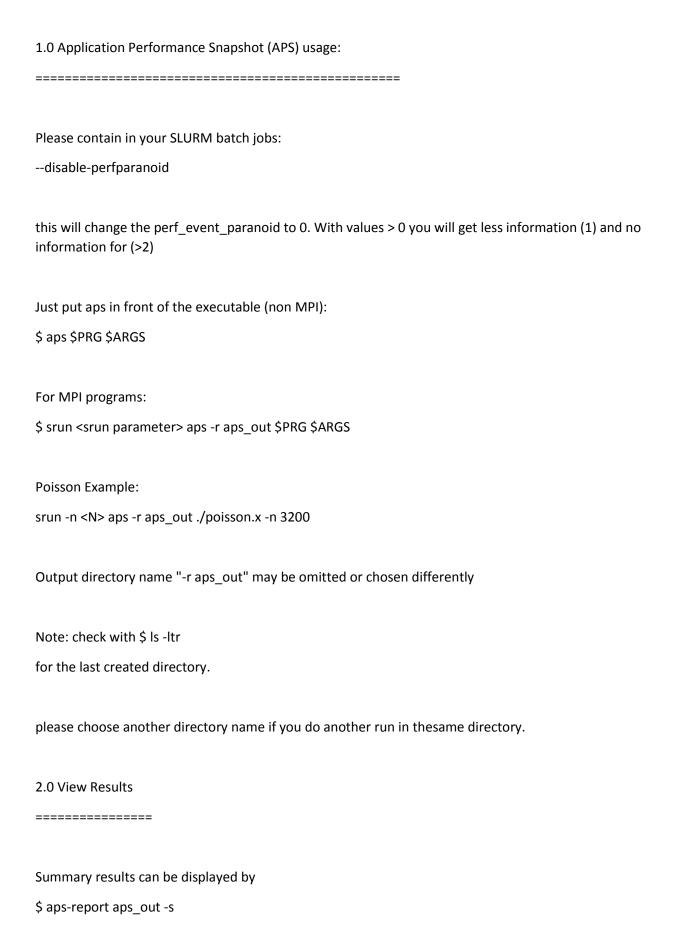
Application Performance Snapshot (APS) Playbook
The Playbook contains command lines starting with \$
Please change \$PRG, \$ARGS into the path,name and parameters of your program!
Version 1.0, 18.02.2019
0. Environment
load modules
\$ module load Intel
\$ module load IntelMPI
\$ module load VTune
For Batch jobs
=======================================
Please include:disable-perfparanoid
in command line for sbatch or in scripts with #SBATCHdisable-perfparanoid
check for important executables
\$ which aps
check version
\$ aps —version



HTML results \$ aps-report -g aps_out generates aps_report_<date>_<time>.html more MPI statistics (functions) are available. \$ aps-report aps_out -f or for the full output: \$ aps-report aps_out -a For more detailed MPI output the program has to run under the environment variable: \$ export MPS_STAT_LEVEL=4 The integer value may be 2 to 4 for even more infos. Higher values will cause more overhead. Display rank to rank matrix with communication times: \$ aps-report -x --format=html aps_out 3.0 Code block for analysis may be selected Insert MPI_Pcontrol(0) right after MPI_Init() to switch off tracing Insert MPI_Pcontrol(1) before code block to switch on tracing Insert MPI_Pcontrol(0) after code block to switch off tracing

see: https://software.intel.com/en-us/get-started-with-application-performance-snapshot

result-dir is starting with "aps_" if result dir is not specified.



Alternative Environment (TBD)
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Alternative PSXE 2019
\$ module load Intel
\$ source <path 2019="" to=""></path>

\$ which aps