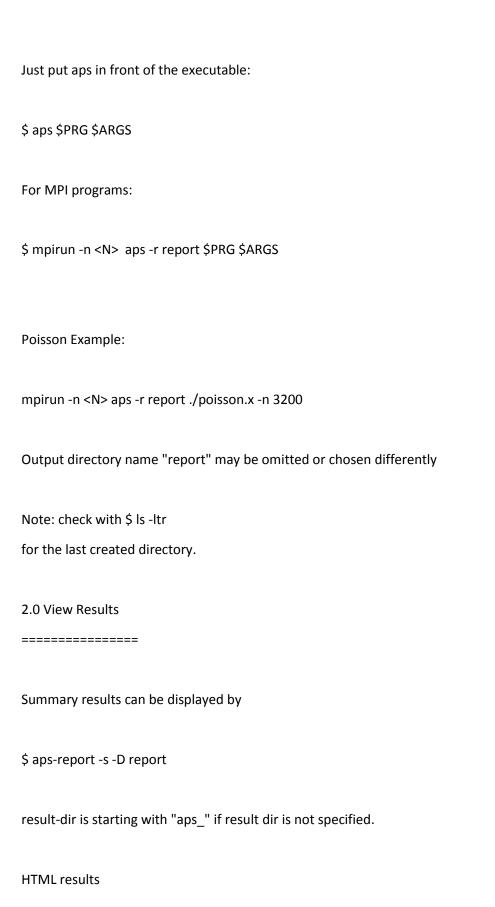
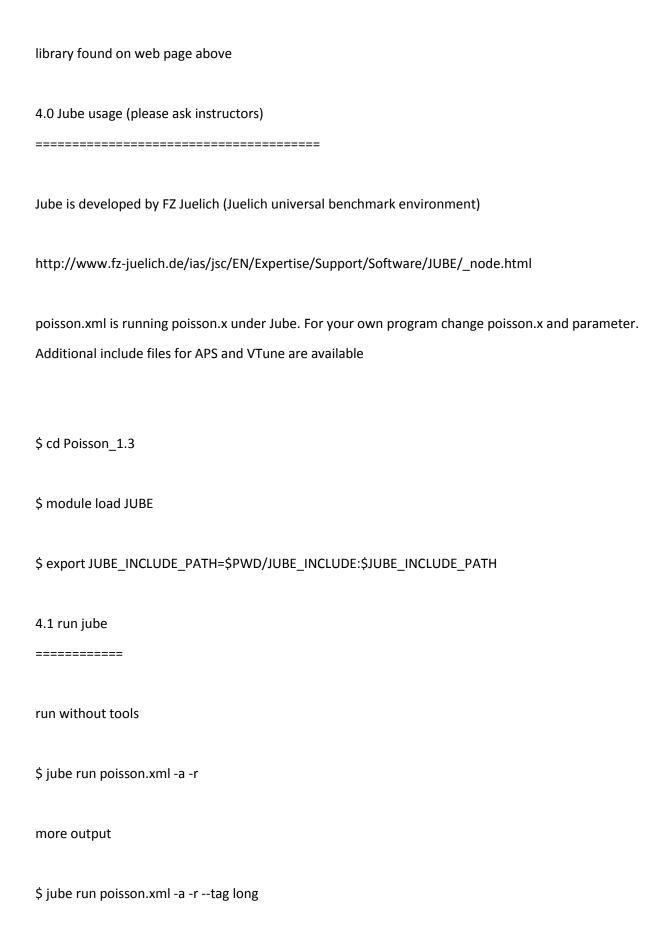
Application Performance Snapshot (APS) Playbook
The Playbook contains command lines starting with \$
Please change \$PRG, \$ARGS into the path,name and parameters of your program!
Version 0.9, 08.10.2018
Please send feedback to Heinrich.Bockhorst@Intel.com
0. Environment
(Juelich environment) load module for Vtune
\$ module load VTune
check for important executables
\$ which aps
check version
\$ aps -version
Alternative Environment: PSXE 2019 (see below)
1.0 Application Performance Snapshot (APS) usage:



```
$ aps-report -g -D report
generates aps_report_<date>_<time>.html
more MPI statistics (functions) are available.
$ aps-report -f -D report
or for the full output:
$ aps-report -a -D report
For more detailed MPI output the program has to run under the environment variable:
$ export MPS_STAT_LEVEL=2
The integer value may be raised to 3 or 4 for even more infos.
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
```

MPI\_Pcontrol will be applied only on the MPI part. For limiting the HW counters use the \_itt



with aps support
\$ jube run poisson.xml -a -rtag aps
Alternative Environment (TBD)
Alternative PSXE 2019
\$ module load Intel \$ source <path 2019="" to=""></path>
\$ which aps