

Labs!



Lab: PAPI, TAU, and Scalasca

Lab Instructions (for OCF systems)

Get `workshop.tar.gz` using:

```
% wget http://tau.uoregon.edu/workshop.tar.gz
```

Or

```
% tar zxf workshop.tar.gz
```

And follow the instructions in the `README` file.

For LiveDVD, see `~/workshop-point/README` and follow.

Lab Instructions

To profile a code using TAU:

1. Change the compiler name to `tau_cxx.sh`,
`tau_f90.sh`, `tau_cc.sh`:
`F90 = tau_f90.sh`

2. Choose TAU stub makefile

```
% module load tau  
% export TAU_MAKEFILE=  
$TAULIBDIR/Makefile.tau-[options]
```

3. If stub makefile has `-papi` in its name, set the `TAU_METRICS` environment variable:

```
% export  
TAU_METRICS=TIME:PAPI_L2_DCM:PAPI_TOT_CYC...
```

4. Run:

```
%qsub -I -l nodes=1:ppn=8 -X; mpirun -np 8 ./a.out
```

5. Build and run workshop examples, then run `pprof`/
`paraprof`

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