

EnergyScope report

energy-scope@inria.fr

<https://www.linkedin.com/company/energy-scope>

Date of the report: 2022/11/08 01:50:42

GENERAL INFORMATION

- Jobid: 20221108024155
- Command: /root/energy-consumption-of-gpu-benchmarks//results/night_exp_08_11/816_1//gpu0/scripts/script_final.sh
- Date of run: 2022/11/08 02:41:55.882132
- Duration (including ES prologue and epilogue): 513 (sec)

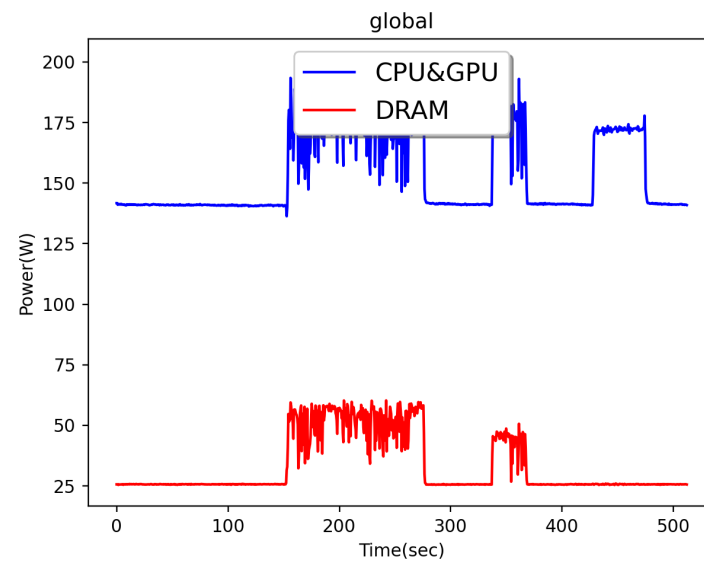
ARCHITECTURE INFORMATION

- nodelist: gemini-1
- processors type: Intel(R)Xeon(R)CPUE5-2698v4@2.20GHz (TDP=135W)
- gpu type: none

ENERGY DATA

- Ratio Energy / Duration= 187.8 (J/sec)
- Application energy consumption measurement: 96355 (J) 0.0268 (kWh)
- Global application energy consumption estimation: 127135 (J) 0.0353 (kWh)
- Global application carbon production estimation (FR): 1.789 (gCO₂)
- Energy efficiency (ref TDP): 57.2 (%)

Eprofile:



ENERGY ACQUISITION INFORMATION

- Period(ms): 561.595
- Acquisition quality (low, medium, high): medium
- Information dumped: ecpu edram core_temperature

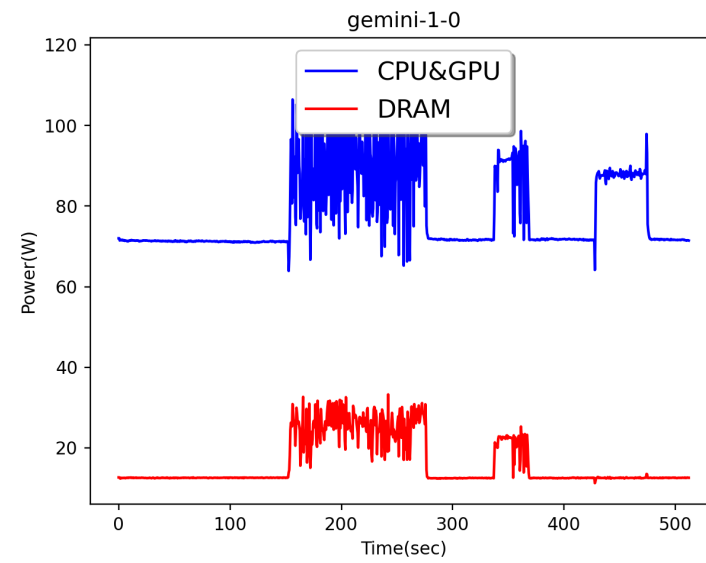
ENERGY BEHAVIOR

SUMMARY

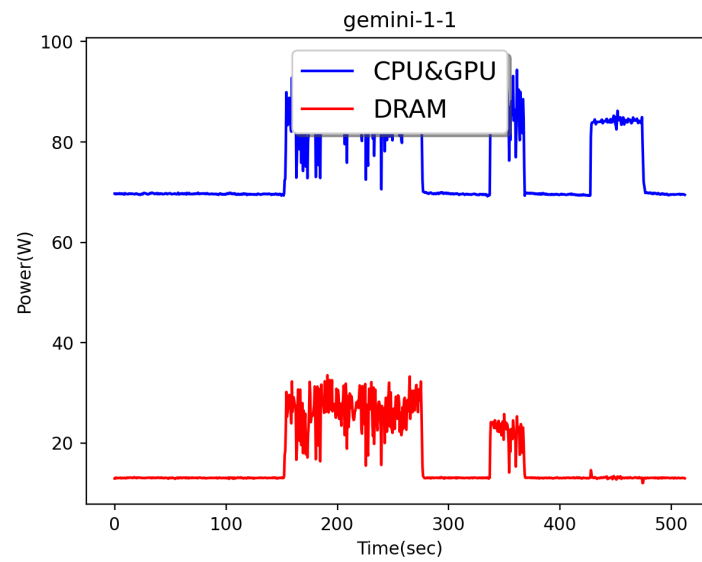
node	cpu/gpu	model	TDP (W)	Energy (J)	efficiency (%)	Cores Temp (C)
node gemini-1						
	cpu 0	Intel(R)Xeon(R)CPUE5-2698v4@2.20GHz	135	48643	58.1	46.8
	cpu 1	Intel(R)Xeon(R)CPUE5-2698v4@2.20GHz	135	47712	56.3	45.6

PROFILES

*node gemini-1/0



*node gemini-1/1



HARDWARE OVERVIEW

Images showing core temperature are generated when the average (of all the core) is maximum.

The full video showing the core temperature and the energy consumption over the time is available on demand.

