

Assignment 0 - CS671

Environment setup and basic commands

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Login and start SLURM session

- ssh aj523@elf.rdi2.rutgers.edu
- salloc -n 24 -p development
- Echo \$SLURM_JOB_NODELIST
- ssh e1c019

Commands and outputs

Command	Output
hostname	e1c019
nproc	24
lscpu	Architecture: x86_64 CPU op-mode(s): 32-bit, 64-bit Byte Order: Little Endian CPU(s): 24 On-line CPU(s) list: 0-23 Thread(s) per core: 1 Core(s) per socket: 12 Socket(s): 2 NUMA node(s): 2 Vendor ID: GenuineIntel CPU family: 6 Model: 63 Stepping: 2 CPU MHz: 2494.385 BogoMIPS: 4988.07 Virtualization: VT-x L1d cache: 32K L1i cache: 32K L2 cache: 256K L3 cache: 30720K

	NUMA node0 CPU(s): 0,2,4,6,8,10,12,14,16,18,20,22 NUMA node1 CPU(s): 1,3,5,7,9,11,13,15,17,19,21,23
ulimit -a	core file size (blocks, -c) 0 data seg size (kbytes, -d) unlimited scheduling priority (-e) 0 file size (blocks, -f) unlimited pending signals (-i) 1032271 max locked memory (kbytes, -l) unlimited max memory size (kbytes, -m) unlimited open files (-n) 65535 pipe size (512 bytes, -p) 8 POSIX message queues (bytes, -q) 819200 real-time priority (-r) 0 stack size (kbytes, -s) unlimited cpu time (seconds, -t) unlimited max user processes (-u) 1032271 virtual memory (kbytes, -v) unlimited file locks (-x) unlimited
cat /etc/issue	CentOS release 6.7 (Final)
lsblk	<pre> sda 8:0 0 278.9G 0 disk ├─sda1 8:1 0 500M 0 part /boot └─sda2 8:2 0 278.4G 0 part ├─vg_e1c019-lv_root (dm-0) 253:0 0 50G 0 lvm / ├─vg_e1c019-lv_swap (dm-1) 253:1 0 4G 0 lvm [SWAP] └─vg_e1c019-lv_home (dm-2) 253:2 0 224.4G 0 lvm /home </pre>