



Colonial One Core Counts

Compute Nodes (164 Total) Dual 20-Core 3.70GHz Intel Xeon Gold 6148 processors

- 6,560 cpu cores

GPU Nodes

Small GPU (16 Total) Dual 20-Core 3.70GHz Intel Xeon Gold 6148 processors & Two (2) NVIDIA Tesla V100 GPU

- 640 cpu cores
- 20,480 NVIDIA Tensor Cores
- 163,840 NVIDIA CUDA® Cores

Large GPU (22 Total) Dual 18-Core 3.70GHz Intel Xeon Gold 6140 processors & Four (4) Nvidia Tesla V100 SXM2 16GB GPUs

- 792 cpu cores
- 56,320 NVIDIA Tensor Cores
- 450,560 NVIDIA CUDA® Cores

High Throughput Node (6 Total) Dual 4-Core 3.70GHz Intel Xeon Gold 5122 processors

- 48 cpu cores



High Memory Node (2 Total) Dual 18-Core 3.70GHz Intel Xeon Gold 6140M processors

- 72 cpu cores

Total CPU Cores*: 8,112

Total NVIDIA Tensor Cores: 76,800

Total NVIDIA CUDA® Cores: 614,400

<https://colonialone.gwu.edu/new-colonial-one-info/>

* Not including Login Nodes or Head Nodes