Orion cluster is comprised of six IBM System x3850 X5 Servers, two Dell PowerEdge R720, and one Silicon Mechanics SuperServer 8027R-TRF. Schedule and process Linux jobs rapidly using LSF in batch mode as well as being able to use an interactive queue. Specifications are as follows:

- CentOS 6.7 64-bit
- IBM's Load Sharing Facility (LSF) Scheduler
- 6x IBM System x3850 x5
  - Intel® Xeon® Processor E7-4850
  - 4 CPUs (10 cores per CPU), 2.0 GHz processors
  - 512 GB RAM
  - 2 TB of scratch storage for jobs
- 1x Silicon Mechanics SuperServer 8027R-TRF+
  - Intel® Xeon® Processor E7-4850
  - 4 CPUs (10 cores per CPU), 2.2 GHz processors
  - 512 GB RAM
  - 4 TB of scratch storage for jobs
- 1x Dell PowerEdge R720
  - Intel® Xeon® Processor E5-2670
  - 2 CPUs (10 cores per CPU), 2.5 GHz
  - 128 GB RAM
  - 2x Intel Phi 7120 (61 cores per each card)
  - 2 TB of scratch storage for jobs
- 1x Dell PowerEdge R720
  - Intel® Xeon® Processor E5-2670
  - 2 CPUs (10 cores per CPU), 2.5 GHz
  - 128 GB RAM
  - 2x NVidia Tesla K40m (2880 CUDA cores per each card)
  - 2 TB of scratch storage for jobs