

# Power9 server (p9)

## System Description

Host name: p9.ncsa.illinois.edu

### Hardware

- [IBM 8335-GTG AC922](#) server
  - 2x 20-core IBM POWER9 CPU @ 2.00 GHz
  - 512 GB DDR4
- 4x [NVIDIA V100](#) GPUs
  - 5120 cores
  - 16 GB HBM 2
- 2x 3.84 TB SSDs
- [1.6 TB SSD NVMe Adapter](#)
- [2-Port EDR 100 GB IB ConnectX-5 Adapter](#)
- [4-port \(10 Gb + 1 GbE\) SR+RJ45 Adapter](#)

### Software

- RHEL 7.6
- CUDA 9.2
  - cuDNN 7.1
  - NCCL 2.2.13
- IBM XLC 16.1.1 Community Edition
- IBM XLFORTRAN 16.1.1 Community Edition
- [Advance toolchain for Linux on Power](#)



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