### Power9 server (hal000)

#### System Description

<table>
<thead>
<tr>
<th>Hardware</th>
<th>Software</th>
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</table>
| - 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 HBM2  
  - 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 | - RHEL 7.5  
  - CUDA 9.2  
  - cuDNN 71  
  - NCCL 2.2.13  
  - IBM XL C 13.1 beta  
  - IBM XL FORTRAN 15.1 beta  
  - Advance toolchain for Linux on Power  
  - PowerAI Release 5.0 |

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