Current AI Resources as part of the ISAAC Next Generation cluster

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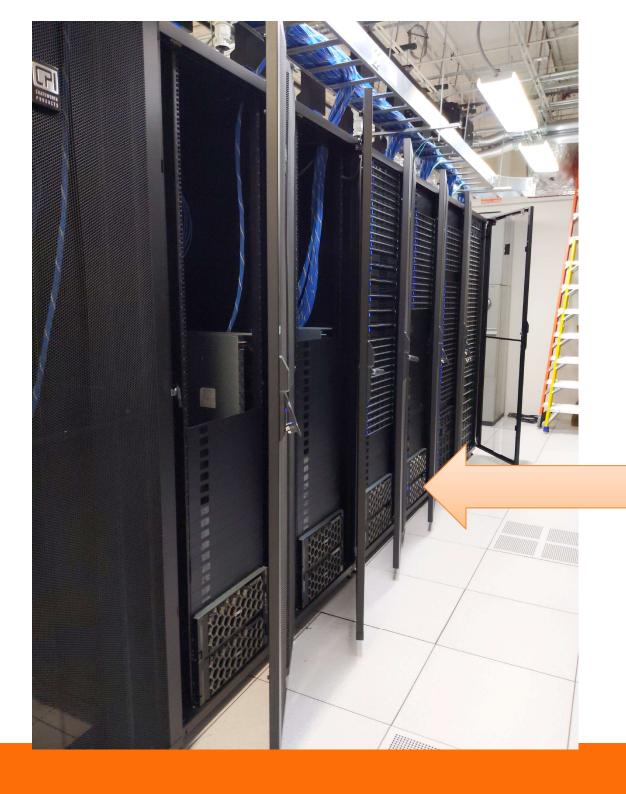
Al Tennessee Initiative Resources

- Seven Dell PowerEdge XE8640
 - Intel Xeon Platinum 8462Y+ (2) 64 cores
 - NVIDIA HGX H100 SXM 4x GPU 80GB each
 - Full 4-way NVLink, but no NDR or internode NVLink
 - 1,024 gigabytes memory
 - 51 TB NVMe per node
 - HDR Infiniband for access to storage network
 - 1G (mgmt) and 10 G (external) ethernet
- Part of the UT ISAAC NG cluster
 - 230 compute servers with over 14,000 cores
 - 29 GPU servers with V100S, A40 or A16 GPUs
 - High performance data transfer
 - Petascale storage (HDDs) with Infiniband**
 - Access to the 6 petabyte UT-StorR tape archival system
 - Software tree with lots of research software

Racks for ISAAC NG cluster at KPB data center







Al Tennessee Initiative Dell XE8640 Servers

Bottom two 4U servers In photo to the left