

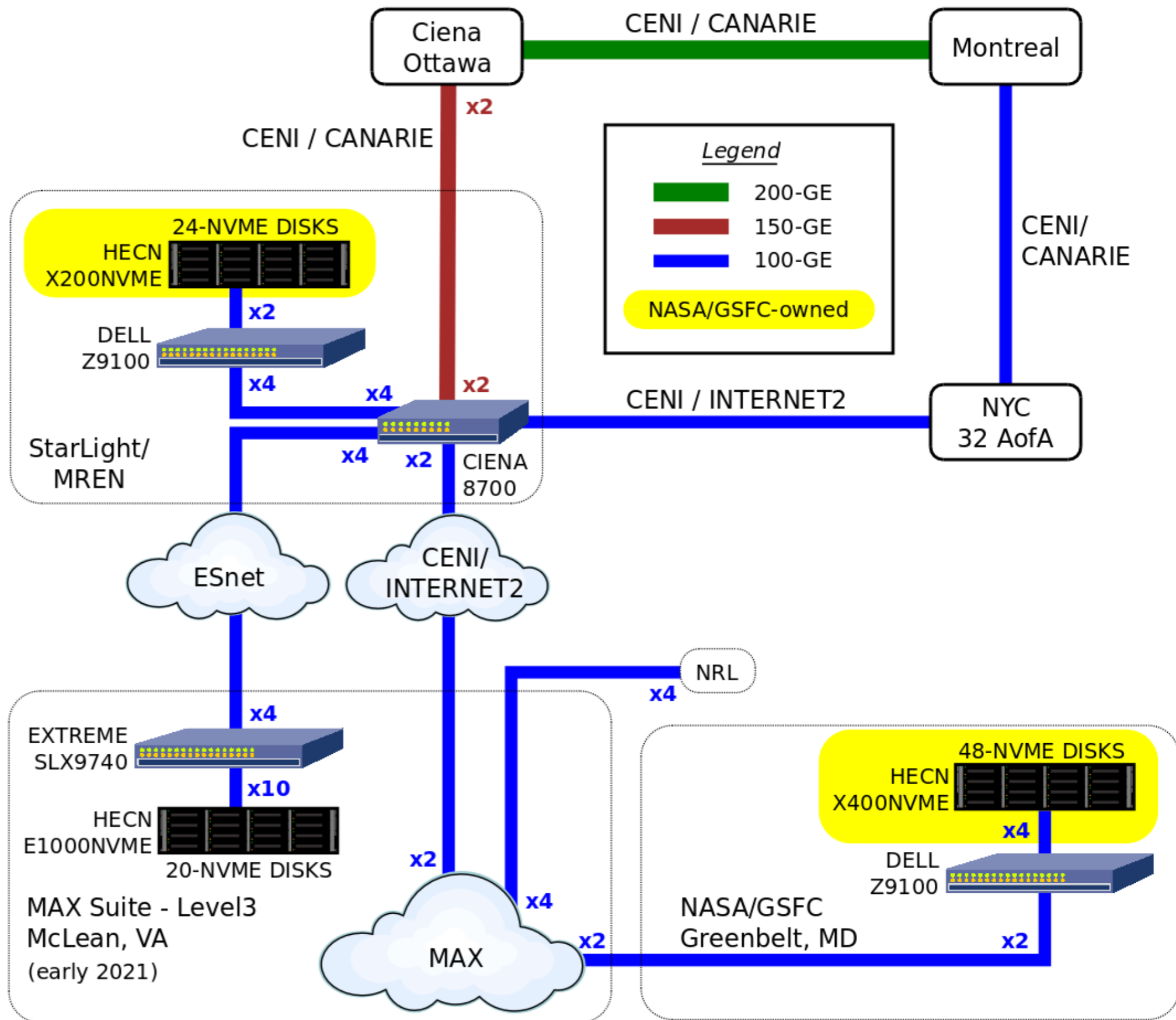
SC20

Virtual Conference
(originally planned for Atlanta, GA)

Demonstrations of 400 Gbps Disk-to-Disk WAN File Transfers using NVMe-OF/TCP

An SC20 Collaborative Initiative Among NASA and Several Partners

R&D Partners



SC20

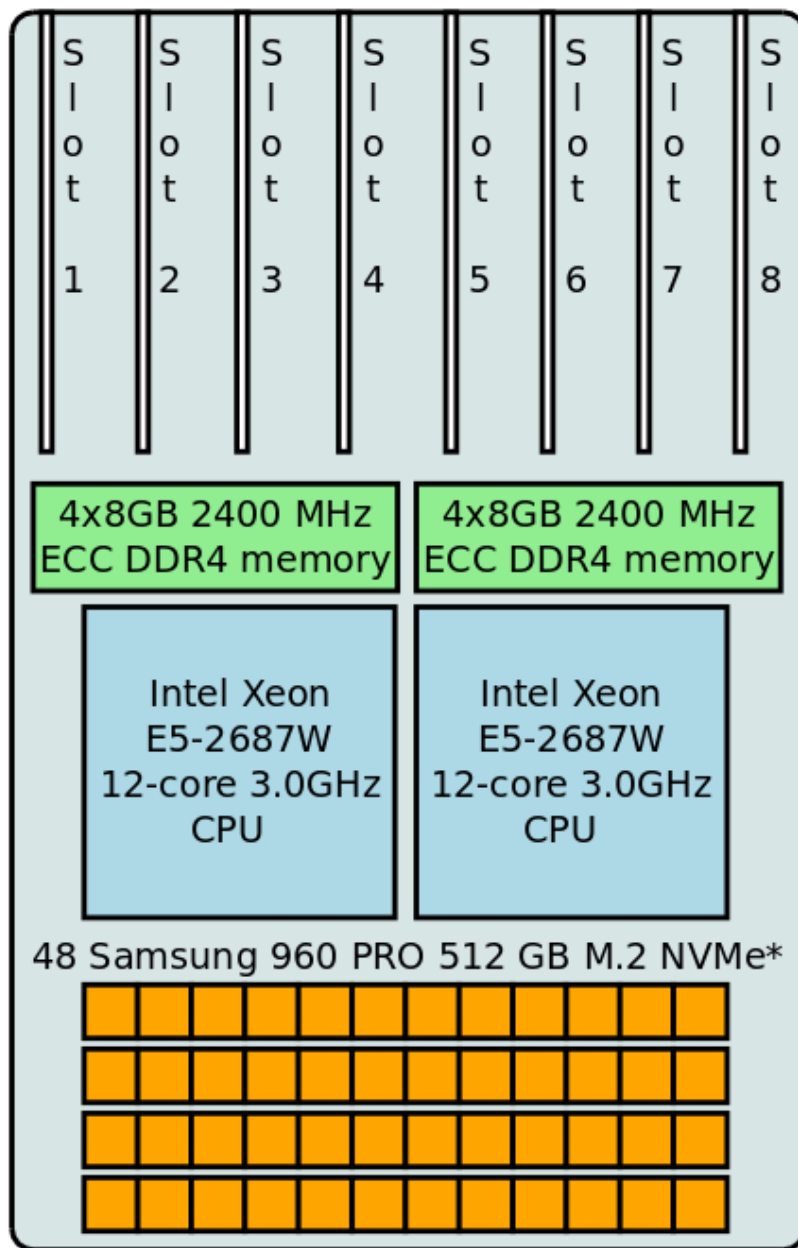
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SC19

**SuperMicro
4028GR-TR
Chassis**

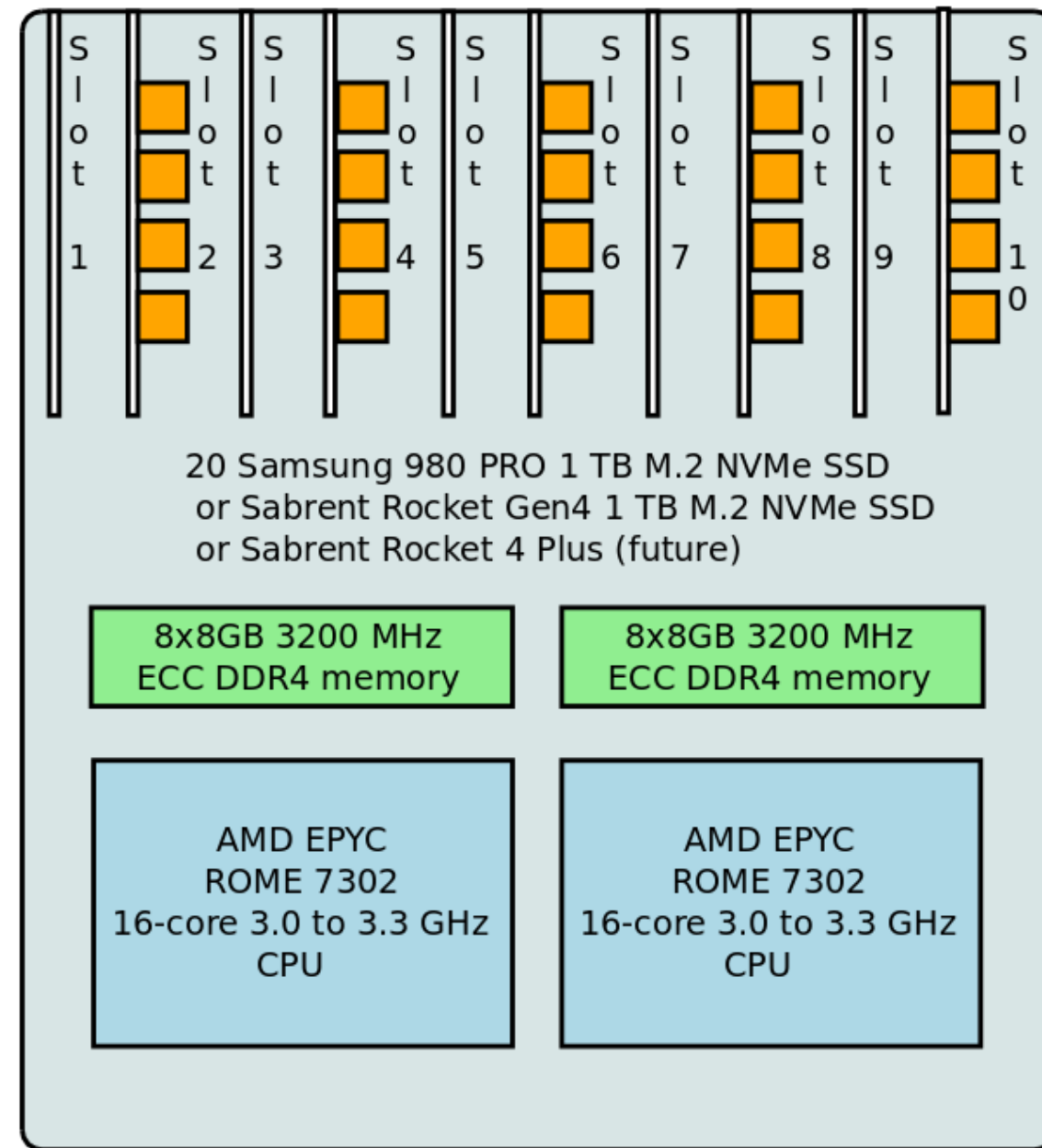


Slots 1, 3, 5, 7 (PCIe Gen3 x16):
Chelsio T62100-LP-CR 2x100G NIC

Slots 2, 4, 6, 8 (PCIe Gen3 x16):
PLX PCI Bridge / Retimer Card
for 12xNVMe SSD

SC20

**SuperMicro
4124GS-TNR
Chassis**



Slots 1, 3, 5, 7, 9 (PCIe Gen4 x16):
Mellanox MT28908 ConnectX-6 2x200G NIC

Slots 2, 4, 6, 8, 10 (PCIe Gen4 x16):
Asus Hyper M.2 Expansion Card
for 4xNVMe M.2 SSD



* Using Micro Sata Cables U.2 to M.2 adapters

NASA/GSFC High End Computer Networking (HECN) Team
Diagram by Bill Fink / Paul Lang - 11/19/2020