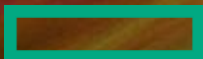# KOMONDOR PLATFORM ARCHITEKTÚRA A K+F TÁMOGATÁSÁBAN

Ódor Tamás – HPC & Storage presales
Hewlett Packard Enterprise

2022.11.29

1

KOMONDOR VÉRVONAL - HPE PRE-EXASCALE ÉS EXASCALE RENDSZEREK

NERSC Perlmutter

- ~$146M system contract
- More than 100 PF Peak performance
- Future AMD CPU and NVIDIA architecture and Slingshot interconnect
- Mixed AI and HPC workload
- > 4 TB/s, 30 PB ClusterStor E1000 AllFlash

ANL "Aurora"

- ~$100M system subcontract
- More than 1 EF Peak performance
- Future Intel Xeon CPU and Intel X^e architecture and Slingshot interconnect
- Mixed AI and HPC workload
- > 1 TB/s, 200 PB ClusterStor E1000

ORNL "Frontier"

- ~$600M system contract
- More than 1.5 EF Peak performance
- Future AMD EPYC CPU and Radeon GPU and Slingshot interconnect
- Mixed AI and HPC workload
- > 10TB/s, > 700 PB ClusterStor E1000
- **#1 on TOP500**

LLNL "El Capitan"

- ~$600M system contract
- More than 2.0 EF Peak performance
- Future AMD EPYC CPU and Radeon GPU and Slingshot interconnect
- Mixed AI and HPC workload
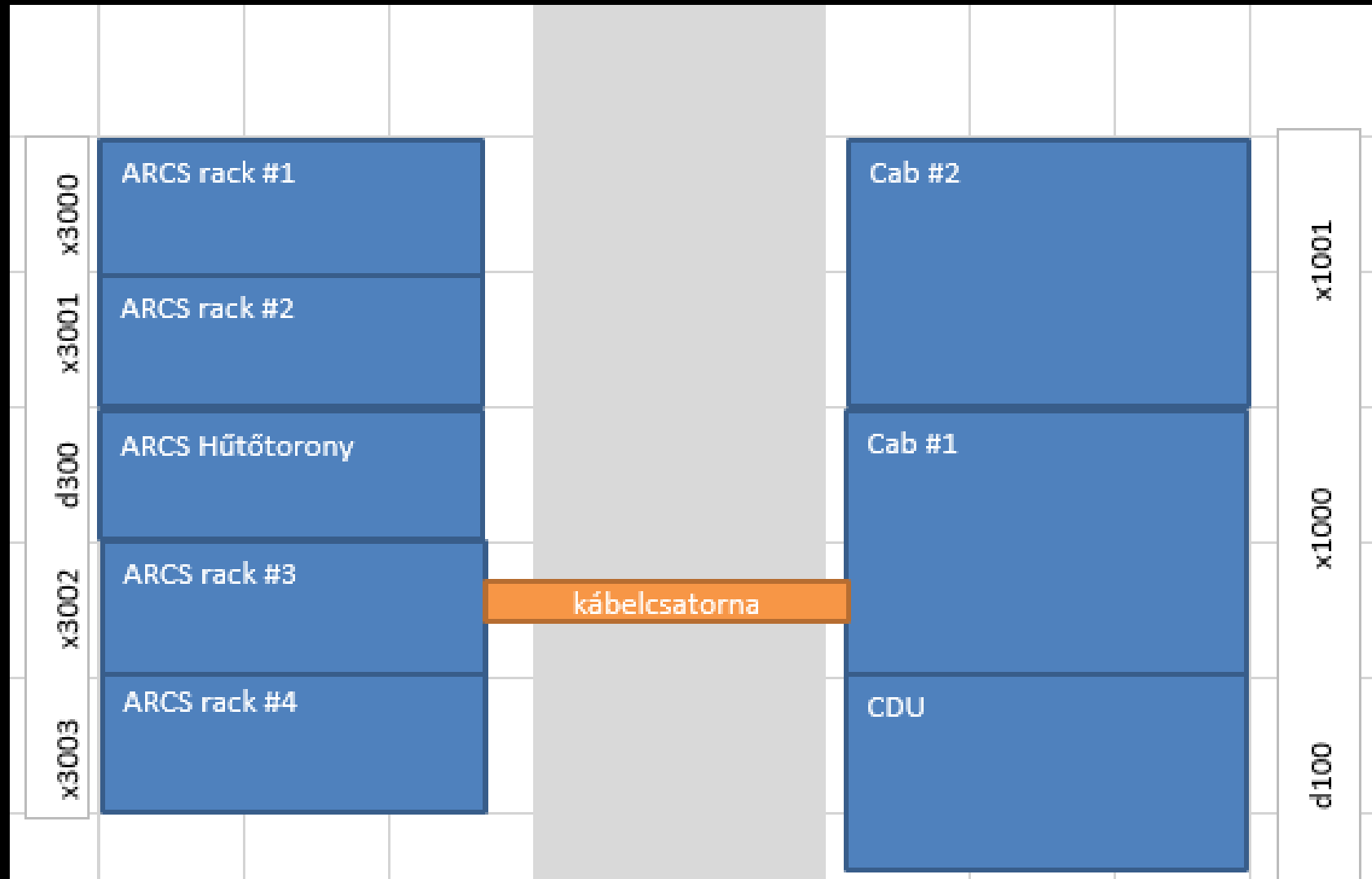- > 2.5 TB/s, ~450 PB ClusterStor E1000

KOMONDOR AZ ÉLVONALBAN

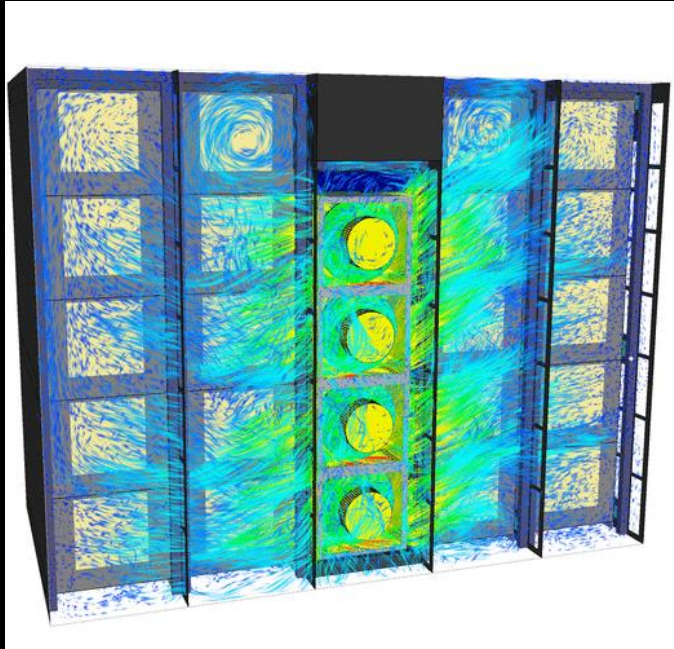| List	Rank	System	Vendor	Total Cores	Rmax (PFlop/s)	Rpeak (PFlop/s)
11/2022	199	HPE Cray EX, AMD EPYC 7763 64C 2.45GHz, NVIDIA A100 SXM4 40 GB, Slingshot-11	HPE	28,768	3.09	4.67
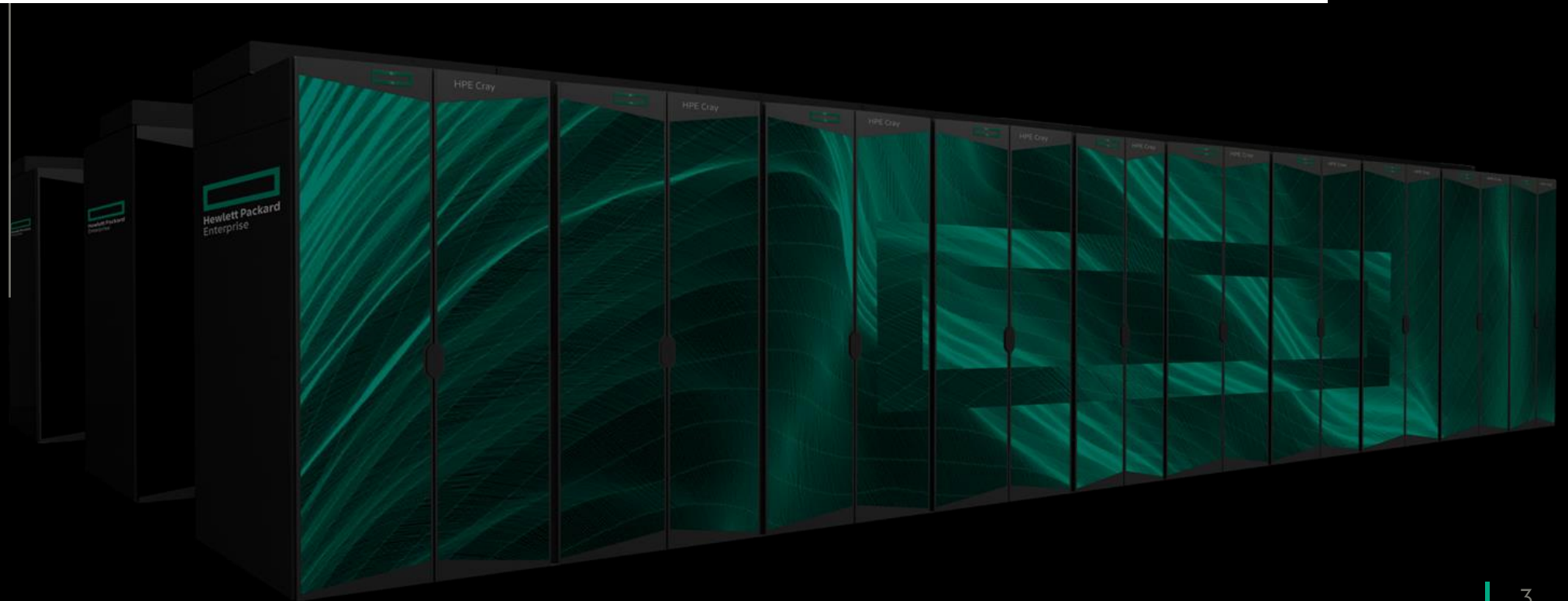
KOMONDOR ALAPRAJZ

KOMONDOR - HPE CRAY EX4000 SZUPERSZÁMÍTÓGÉP

CDU

HPE Cray EX szekrények
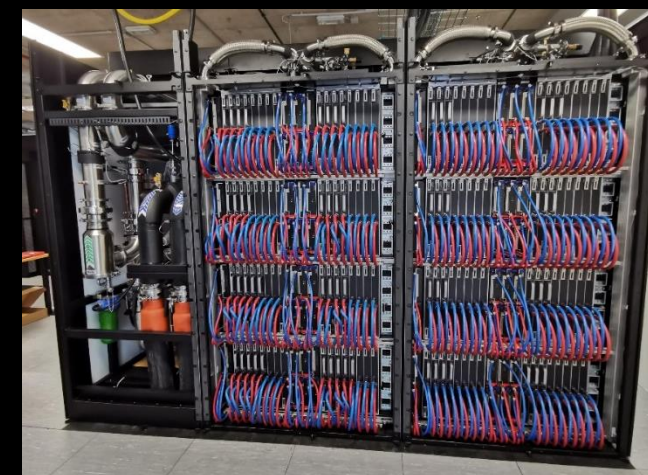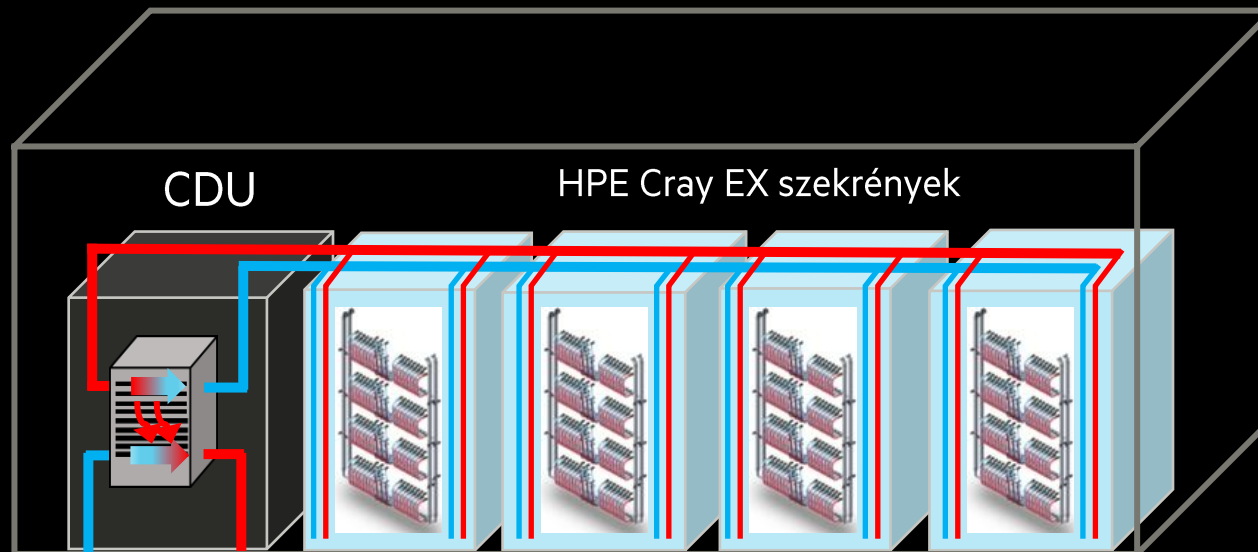
HPE ARCS – KOMONDOR MI, DACP, TÁRTERÜLET, HÁLÓZAT, ADMIN

Köszönöm a figyelmet!

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