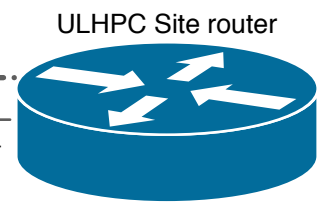
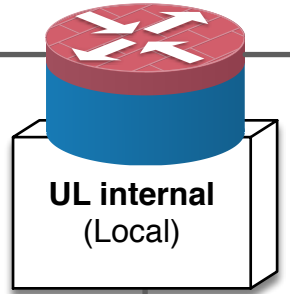
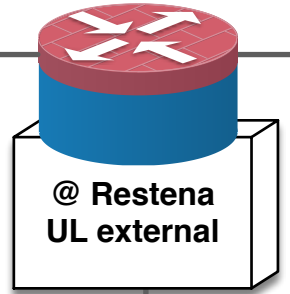
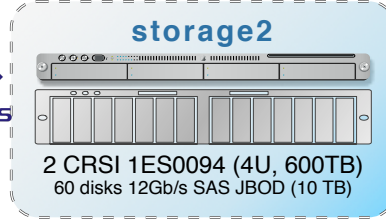
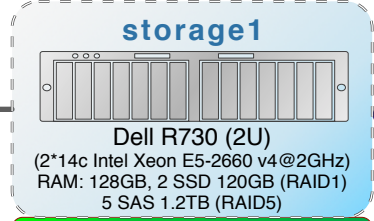
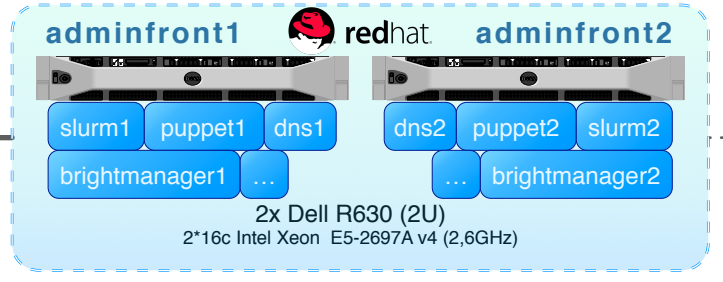
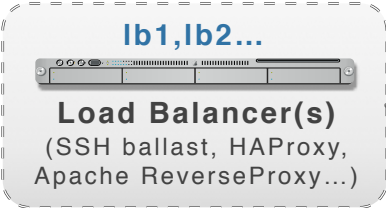
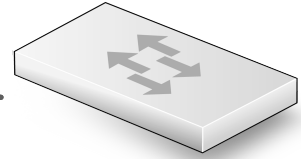


Uni.lu (Belval)
Iris cluster



Fast local interconnect (Fat-Tree Infiniband EDR) 100 Gb/s

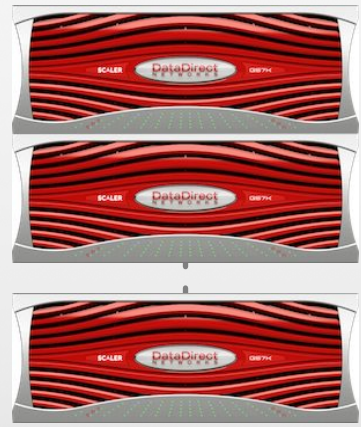


sftp/ftp/pxelinux, node images,
Container image gateways
Yum package mirror etc.

CDC S-02 Belval - 196 computing nodes (5824 cores)



DDN / GPFS Storage (2284 TB)

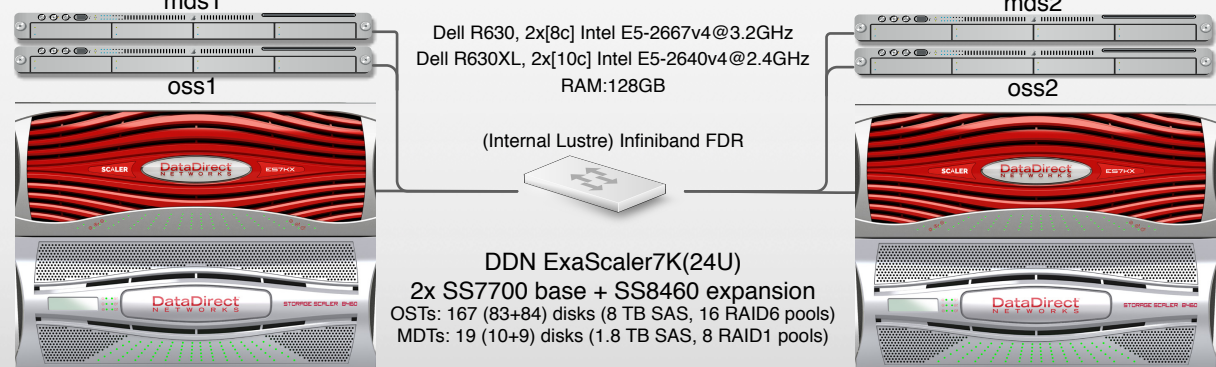


DDN GridScaler 7K (24U)
1xGS7K base + 4 SS8460 expansion
380 disks (6 TB SAS SED, 37 RAID6 pools)
10 disks SSD (400 GB)

EMC ISILON Storage (3188TB)



DDN / Lustre Storage (1300 TB)



42 Dell C6300 encl. - 168 Dell C6320 nodes [4704 cores]
108 x (2 *14c Intel Xeon Intel Xeon E5-2680 v4 @2.4GHz), RAM: 128GB / 116,12 TFlops
60 x (2 *14c Intel Xeon Intel Xeon Gold 6132 @ 2.6 GHz), RAM: 128GB / 139,78 TFlops

24 Dell C4140 GPU nodes [672 cores]
24 x (2 *14c Intel Xeon Intel Xeon Gold 6132 @ 2.6 GHz), RAM: 768GB / 55,91 TFlops
24 x (4 NVIDIA Tesla V100 SXM2 16 or 32GB) = 96 GPUs / 748,8 TFlops

4 Dell PE R840 bigmem nodes [448 cores]
4 x (4 *28c Intel Xeon Platinum 8180M @ 2.5 GHz), RAM: 3072GB / 35,84 TFlops

iris cluster characteristics

Computing: 196 nodes, 5824 cores; 96 GPU Accelerators - $R_{peak} \approx 1082,47$ TFlops

Storage: 2284 TB (GPFS) + 1300 TB (Lustre) + 3188TB (Isilon/backup) + 600TB (backup)