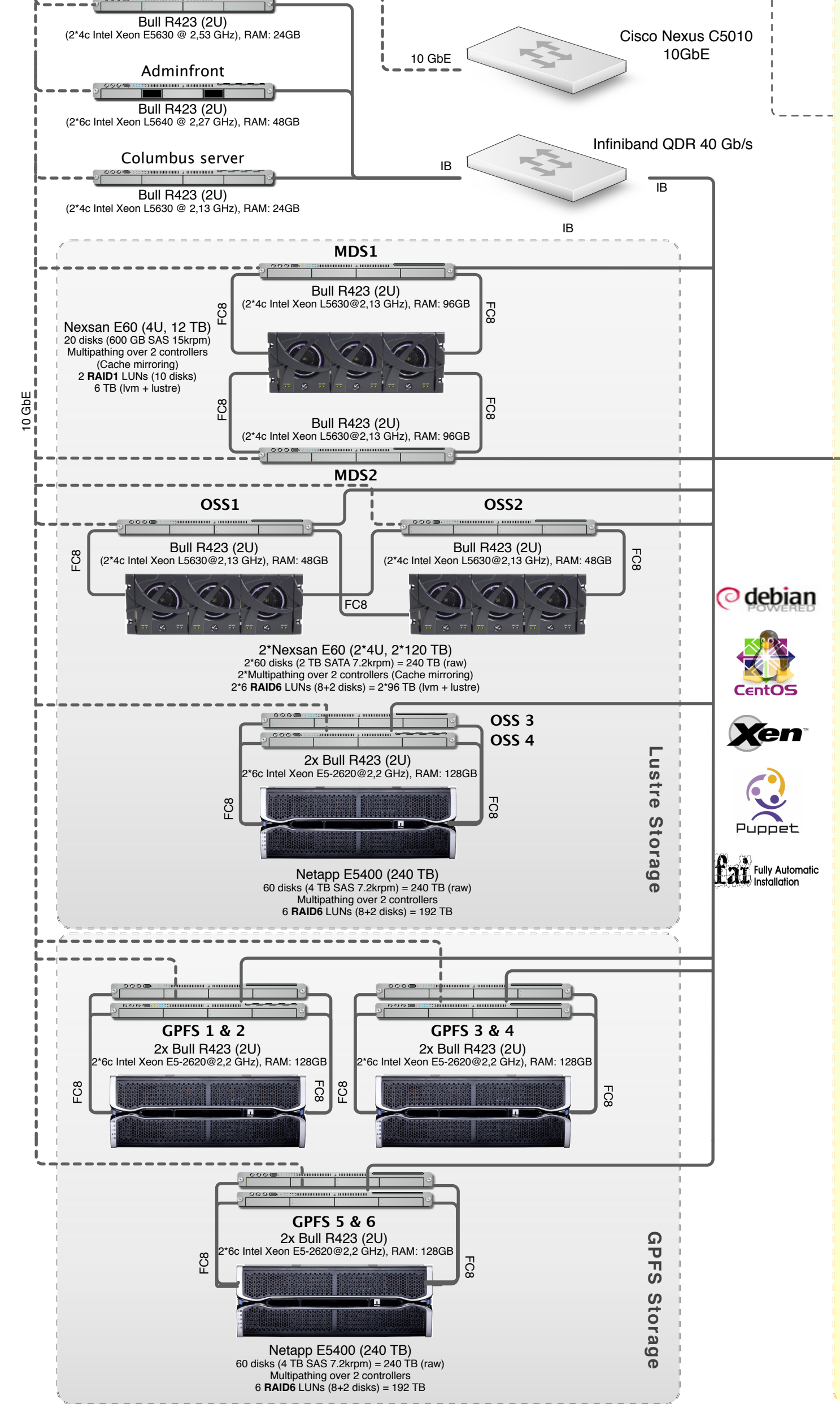
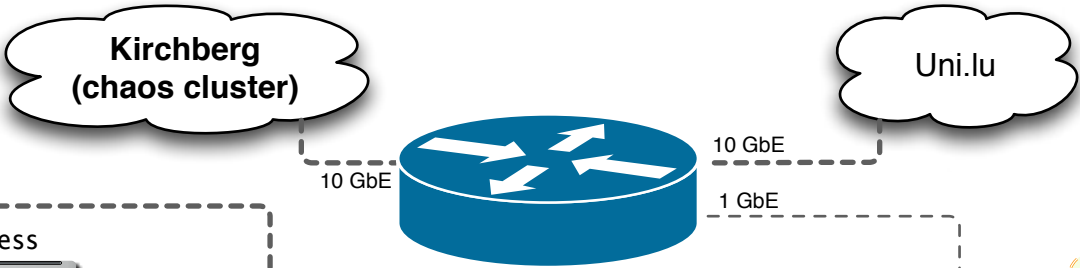


Uni.lu (Belval)
Gaia cluster



Gaia cluster characteristics

- **Computing:** 153 nodes, 2280 cores; $R_{peak} \approx 26.9$ TFlops
- **Storage:** 720 TB (GPFS) + 480 TB (Lustre) + 884TB (backup)

9x Bullx B enclosure (63U)
132 BullX B500 **[1584 cores]**

60 (2*6c Intel Xeon L5640@2.26GHz)
40 (2*6c Intel Xeon X5670@2.93GHz)
32 (2*6c Intel Xeon X5675@3.07GHz)
RAM: 48GB

12 BullX B505 **[144 cores]**
12 (2*6c Intel Xeon L5640@2.26GHz), RAM: 96GB

24 GPGPU Accelerator **[12032 GPU cores]**
4 Nvidia Tesla M2070 [448c]
20 Nvidia Tesla M2090 [512c]

1x BullX BCS enclosure (6U)
4 BullX S6030 **[160 cores]**
(16*10c Intel Xeon E7-4850@2GHz), RAM: 1TB

5x Dell R720 (10U) **[80 cores]**
(2*8c Intel Xeon E5-2660@2.2GHz), RAM: 64 GB

5x GPGPU Accelerator **[13440 GPU cores]**
5 Nvidia K20m [2688c]

1x Dell R820 (4U) **[32 cores]**
(4*8c Intel Xeon E5-4640@2.4GHz), RAM: 1TB

Delta D88x-M8-BI (10U)
[120 cores]
(8*15c Intel Xeon E7-8880 v2@2.5GHz)
RAM: 3TB

SGI UV2000 (10U)
8 blades **[160 cores]**
8 (2*10c Intel Xeon E5-4656 v2@2.4GHz)
RAM: 4TB

LCSB Belval - 153 Computing nodes (2280 cores)