

JSI Status

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» Resources

- * compute cores 277,824
 - * SiGNET 3,072
 - * NSC 3,648
 - * Arnes 9,216
 - * Vega 261,888
- * storage in dCache ~ 12.3 PB
 - * JSI 6.3 PB
 - * Vega ~ 6 PB

» Compute

- * "Disk full"

- * ARC can start before fs mount
- * added systemd overrides

```
arc01% cd /etc/systemd/system/arc-arex.service.d  
arc01% cat override.conf  
AssertPathIsDirectory=/exa5/arc/session-arc01  
AssertPathIsDirectory=/ceph/arc/session-arc01
```

- * can still lose mount
- * another reason: logs from arc-datadelivery (still checking...)

» Storage

- * retired 1.2 PB on Lenovo RAID
- * regular disk failures
- * moved to Ceph backed pools

» Storage

- * PVE, Ceph instability
 - * bug in Proxmox kernel
 - * "Temporary KVM guest hangs connected to KSM and NUMA balancer"
 - * turned off automatic NUMA balancing
 - `kernel.numa_balancing = 0`
 - * better with 6.5.13
 - * full fix in 6.8 kernel
- * memory reserve too low
 - * peaks
 - * bumped to 2 GB
 - `vm.min_free_kbytes = 2097152`