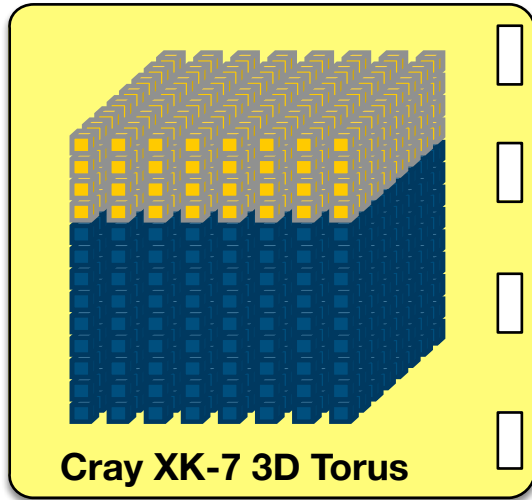


Titan Compute Cluster



Cray XK-7 3D Torus

Lustre Router Nodes
run parallel file system
client software and
forward I/O operations
from HPC clients.

*440 Router nodes
configured as Lustre
routers on Titan*

**SION II
Infiniband Network**

*1600 ports, 56 Gbit/sec
InfiniBand switch complex*

Storage Servers (OSS)
Lustre parallel file system

*288 Dell servers with
64 GB of RAM each*

Enterprise Storage
controllers and large
racks of disks are connected
via InfiniBand.

*36 DataDirect SFA12K-40
controller pairs with
NL- SAS drives
and 8 InfiniBand FDR
connections per pair*