

HPSS User Forum



HPSS @ NERSC

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Storage Group



TWO PRODUCTION HPSS SYSTEMS

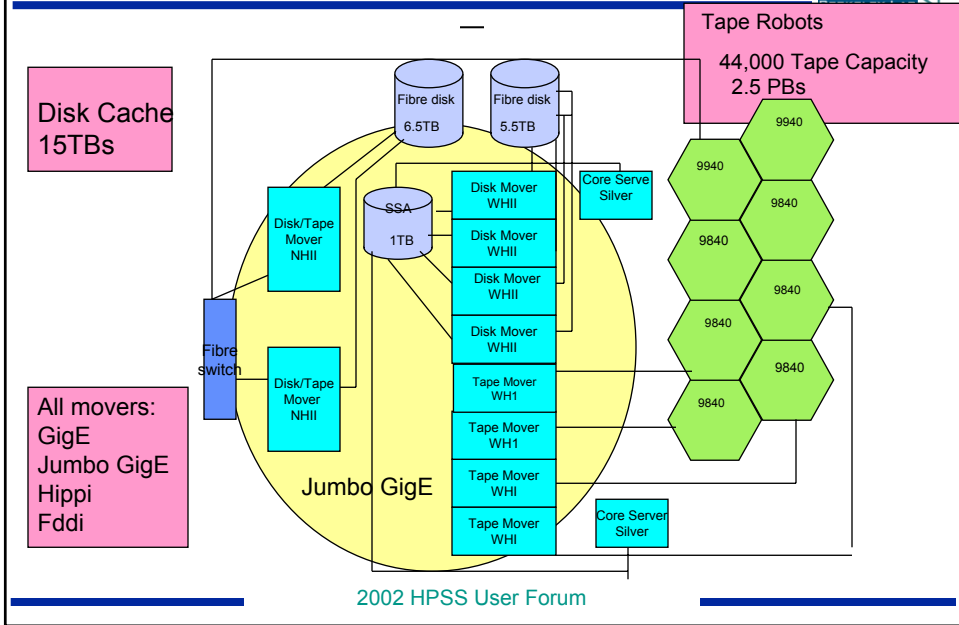
NERSC DCE CELL

AFS

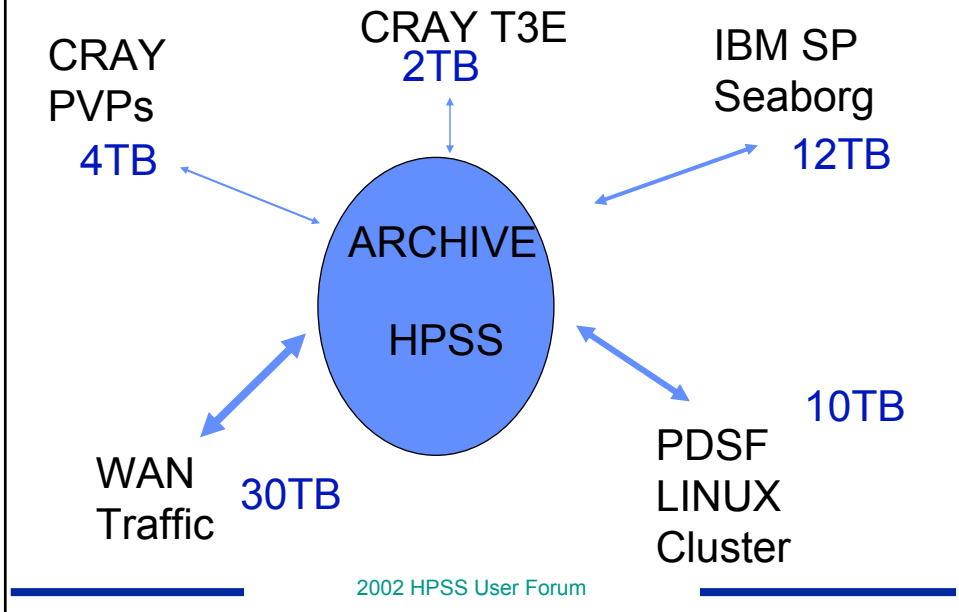
PROBE

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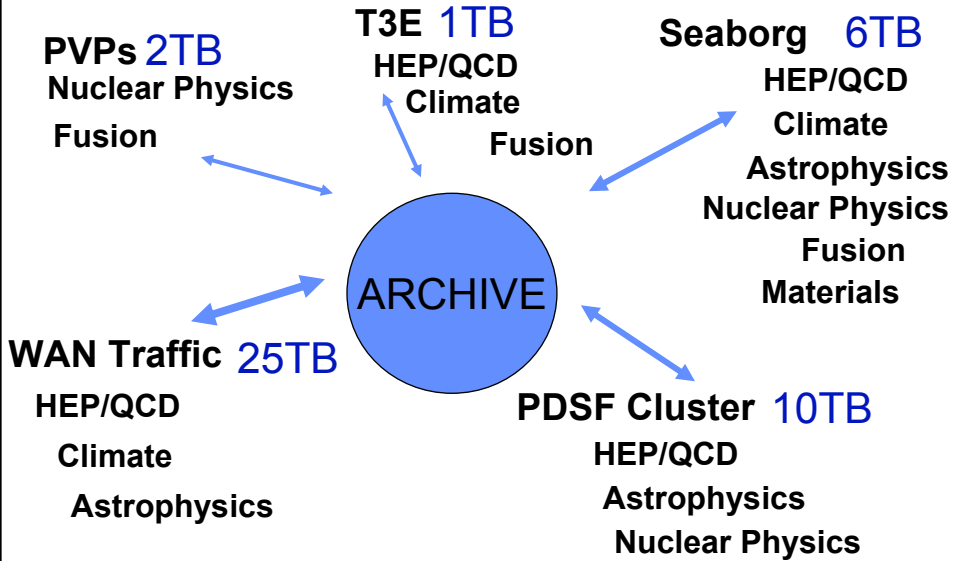
HPSS Production Systems



One Month of I/O Activity to Storage by Platform

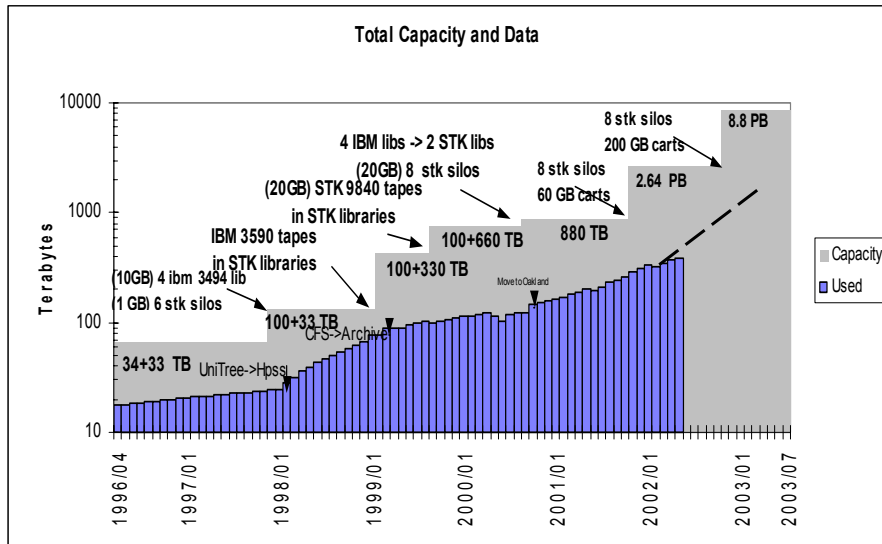


Platforms/Project/Storage



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Nercs Storage Data & Capacity



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Projects Completed:

HSI Upgraded to V2.6.2

One Production System converted from 4.1.1.3 to 4.3.3

Local mods to pftpd to reject clear text password logins

Planning:

Add 20 TBs more disk cache (total = 30TBs)

Move core servers to faster bigger machines

Tape drive upgrade from 60 to 200 GBs

Planning & Dreaming

Prototype WAN NERSC mover at PNNL

Grid Authentication added to HPSS daemons

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Probe Research/Prototype



Group of Linux machines to look at

HPSS linux mover

XFS backend to HPSS

MRAFS to XFS to HPSS prototype

Grid interfaces to storage data

Application interfaces to data

HSI enhancements and pki auth

Parallel File System backend to HPSS

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Wish List



**More Interfaces to HPSS : Web, Grid, Applications,
PFS backend
Support for multiple security models.**

**Import/export capability: Improve WAN performance
some ideas**

Integrate new network technologies with movers

Add mover affinity to support remote movers.

Push or Pull data to movers (firewalls)

Add multiple parallel transfers to & btw daemons.