



-  2.8 PiB



-  bbfs
-  fsa  fs04  fs08  fs09  fs10  fs12  fs13  fs14  fs00
-  /archive



<https://table.nju.edu.cn/dtable/view-external-links/custom/hpc-storage/>



Tier 0 



[/bbfs](#)

 NVMe SSD 

Burst Buffer 

- bbfs
- 100%
- 117 TiB
- IO 4\*HPE ProLiant DL380 Gen10: bb01 bb02 bb03 bb04
- CPU: 2\*Intel Xeon Gold 5122 (2 Cores, 16.5MB Cache, 3.60 GHz)
- RAM: 192 GB (12x16GB), 6 Channels, DDR4-2666 ECC RDIMM
- Network: 2\*25 Gigabit Ethernet, 100 Gbit/s EDR InfiniBand, 100 Gbit/s Omni-Path
- SSD: 8\*Intel SSD DC P4510, 64-Layer TLC 3D NAND, 4TB 6.3PBW, 2.5in U.2 15mm, PCIe 3.1 x4 NVMe
- 

## /bbfs/fs\*/

/fs\*/ /bbfs/fs\*/  /fs\*/  /bbfs/fs\*/  
 /fs\*/  /bbfs/fs\*/  /fs\*/

/fsa/home/yaoge/in

/bbfs/fsa/home/yaoge/in SSD

/bbfs/fsa/home/yaoge/out SSD

/fsa/home/yaoge/out

## /bbfs/scratch/

30 atime

checkpoint .tmp  .temp

Check Point

/bbfs/scratch/yaoge



- IO 2 Dell PowerEdge 12G R720xd: io08
- 2\*10 Gigabit Ethernet
- RAID Dell PERC H710P Mini (LSI SAS2208 ROC), 1GB cache with Intelligent Battery Backup Unit
- 900GB 2.5-inch 10Krpm 6Gb/s SAS 5 RAID5 4 RAID5 2

## /fs08

- 100%
- 14 TiB
- 0 3
- IO 2\*Inspur NF5270M3: io10 io11
- 2\*1 Gigabit Ethernet, 40 Gbit/s QDR InfiniBand
- Inspur AS500H (NetApp E2600) 4GB Write caching with mirroring, High Performance Tier
- 900GB 2.5-inch 10Krpm 6Gb/s SAS 5 RAID5 4 RAID5 2

## /fs09

- 100%
- 24 TiB
- 0 7 2
- IO 2\*Inspur NF5270M3: io10 io11
- 2\*1 Gigabit Ethernet, 40 Gbit/s QDR InfiniBand
- Inspur AS500H (NetApp E2600) 4GB Write caching with mirroring, High Performance Tier
- 3TByte 3.5-inch 7.2Krpm 6Gb/s NL-SAS 12 Disk Pool 1 2 Virtual Disk

## /fs10

- ██████████ 100%
- ██████ 9.9 TiB
- IO██████ Inspur NF5270M3: io12
- ███ 2\*1 Gigabit Ethernet, 40 Gbit/s QDR InfiniBand
- RAID██ LSI MegaRAID SAS 9271-8i (LSI SAS2208 ROC), 1GB██████████████
- ███ 900GB 2.5-inch 10Krpm 6Gb/s SAS██ 5██████ RAID5█ 3█ RAID5█ 1██████

## /fs12

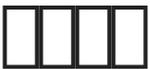
- ██████████ 100%
- ██████ 14 TiB
- IO████ 2\*HP ProLiant DL380 Gen9: io01 io02
- ███ 2\*10 Gigabit Ethernet, 56 Gbit/s FDR InfiniBand
- ███ HP MSA 2040 SAN██████████████ 4GB ████████████████
- ███ 900GB 2.5-inch 10Krpm 6Gb/s SAS██ 5██████ RAID5█ 4█ RAID5█ 3██████

## /fs13

- ██████████ 100%
- ██████ 30 TiB
- IO████ 2\*HP ProLiant DL380 Gen9: io01 io02
- ███ 2\*10 Gigabit Ethernet, 56 Gbit/s FDR InfiniBand
- ███ HP MSA 2040 SAN██████████████ 4GB ████████████████
- ███ 4TByte 3.5-inch 7.2Krpm 6Gb/s SAS██ 6██████ RAID6█ 2█ RAID6█ 1█████

## /fs14

- ██████████ 100%
- █████ 262 TiB
- IO████ Dell PowerEdge R730: io13
- ███ 2\*10 Gigabit Ethernet
- RAID██ Dell PERC H730P Mini (LSI SAS3108 ROC), 2GB NV cache with Intelligent Battery Backup Unit
- ███ 8TByte 3.5-inch 7.2Krpm 12Gb/s SAS█ 6██████ RAID6
- RAID██ Dell PERC H830 (LSI SAS3108 ROC), 2GB NV cache with Intelligent Battery Backup Unit
- JBOD█ 8TByte 3.5-inch 7.2Krpm 12Gb/s SAS█ 6██████ RAID6█ 8█ RAID6



## /fs00

- ██████████ 100%
- █████ 3.3 TB
- █████ 0██████████ 7██████████ 12█
- IO████ HP ProLiant DL380 Gen9: io01 io02
- ███ 2\*10 Gigabit Ethernet, 56 Gbit/s FDR InfiniBand
- ███ HP MSA 2040 SAN██████████ 4GB ██████████
- ███ 900GB 2.5-inch 10Krpm 6Gb/s SAS█ 2██████ RAID1█ 2█ RAID1█ 1██████
- IO████ Inspur NF5270M3: io10 io11
- ███ 2\*1 Gigabit Ethernet, 40 Gbit/s QDR InfiniBand
- ███ Inspur AS500H (NetApp E2600)██████████ 4GB ██████████  
Write caching with mirroring, High Performance Tier
- ███ 900GB 2.5-inch 10Krpm 6Gb/s SAS█ 2██████ RAID1█ 2██████

- IO [ ] Inspur NF5270M3: io12
- [ ] 2\*1 Gigabit Ethernet, 40 Gbit/s QDR InfiniBand
- RAID [ ] LSI MegaRAID SAS 9271-8i (LSI SAS2208 ROC), 1GB cache with Battery Backup Unit
- [ ] 900GB 2.5-inch 10Krpm 6Gb/s SAS [ ] 2 [ ] RAID1 [ ] 1 [ ]
- [ ] RAID1+ [ ]



# Tier 2 [ ]



## /archive

- [ ] 100%
- [ ] 1.91 PiB
- [ ] 0 [ ] 7 [ ] 4 [ ]
- IO [ ] Dell PowerEdge R740xd: zfs
- [ ] 2\*25 Gigabit Ethernet
- [ ] RAID-Z 3
- [ ] /archive [ ]



/zfs/snapshot [ ]

[ ] /archive [ ] /archive/.zfs/snapshot [ ] /archive/.zfs/snapshot/20220904-0000 [ ] 2022 [ ] 9 [ ] 4

[ ] 0 [ ] 0 [ ]

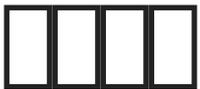


# Tier 2



## s3.nju.edu.cn

- 100%
- 2.12 PB
- UniverStor P20000
- 12\*10 Gigabit Ethernet
- Large object: 15/4, Small object: 6/4
- S3
- Endpoint: http://s3.nju.edu.cn OR https://s3.nju.edu.cn
- Region: " " us-east-1
- 



- 
- 24

## /tmp/ /var/tmp/



## /dev/shm/

