

T3 Storage Requirements

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● T3's Come in Flavors

Storage Systems:

NFS

BeStMan

XROOTD

(Hadoop HDFS)

Atlas Tier-3 Flavors

T3w

T3g (farm)

T3gs (~local T2)



<https://atlaswww.hep.anl.gov/twiki/bin/view/Tier3Setup/WebHome>

● What we think we know

- Currently ~40 T3s
- 20-40 potential new T3s in next few years
- Registration in OSG is a grass roots effort – the better the benefit, the more will join
- Stack depends on applications
 - OSG + Atlas/CMS
 - Athena/PROOF/...
- Few to hundreds of CPUs
- ~ 2 - 20 Tbytes min
- ~ ¼ FTE to manage



Recommended
Configurations?

NSF Scaling?
Impact of multi-cores?

Security Model?

Can distro be
packaged in VMs?

Kickstart?
Pacman?

What about Updates?

● More Questions than Answers



● The Core Team

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