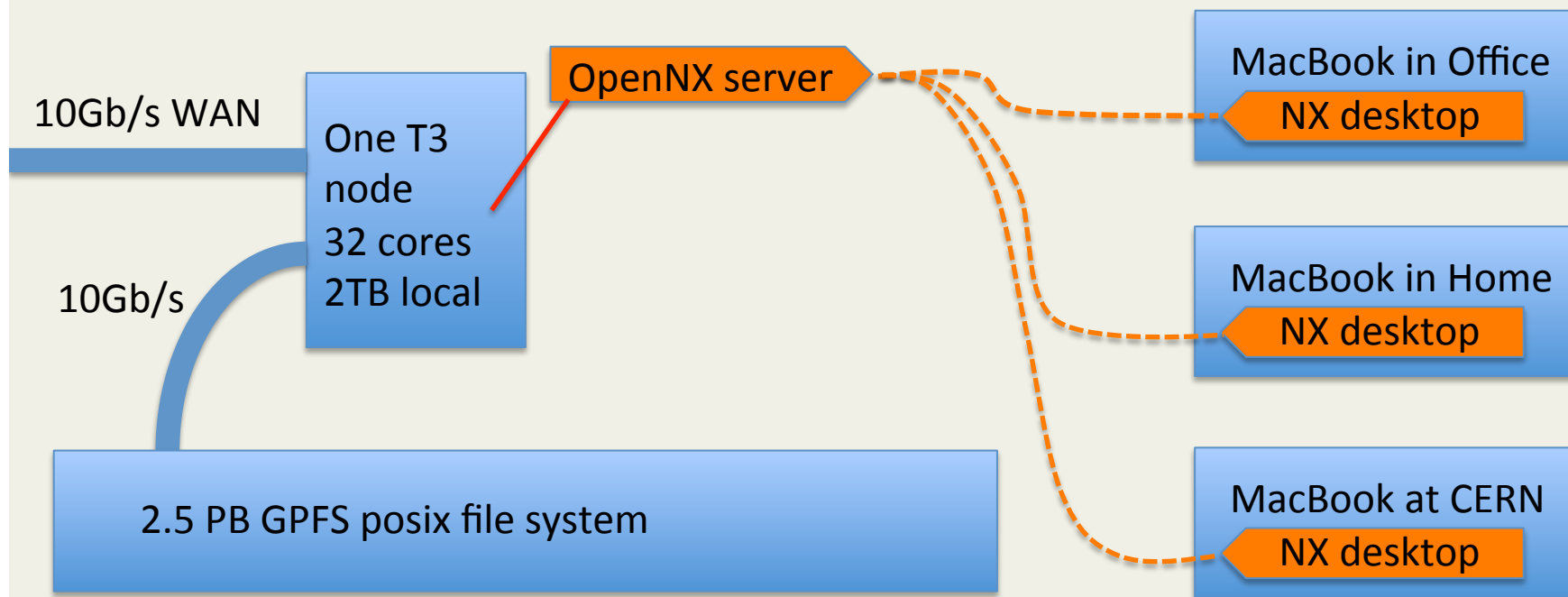


Personal Tier 3s at NET2

Advances in remote desktop software like OpenNX makes it practical to do root n-tuple analysis remotely. This suggests a “personal Tier 3” solution that we’re trying out at NET2.



Consider what you get from this setup as an ATLAS colleague:

- There is almost nothing new to learn to start working.
- A software environment that is “guaranteed” to be functional with no effort on your part because it’s the same as a working Tier 2 worker node environment.
- Guaranteed minimum resources: your own 24-32 core machine with ~1-2TB storage, 10Gb/s WAN and 10Gb/s access to GPFS.
- Direct qsub access to the local SGE queues.
- When you run, say, proof-lite, it sits directly on the ATLAS WAN network backbone – optimal for FAX performance.
- For snappy highly interactive work on small n-tuples, you can copy files to your laptop as you normally would anyway.

Consider this from the facilities angle:

- We don't have to develop or maintain new software.
- OpenNX is well supported and widely used already. The protocol is SSH, so it has a good basis for security.
- Theoretically speaking, only a minimal extra effort is needed from us. Our Tier 3 machines are just standard worker nodes with possibly better networking. If you're already running a Tier 3 (which many T2s are anyway), adding remote desktops isn't really much of a burden.