

Tuning dCache pool nodes for fun and profit

Wednesday, 6 May 2026 15:40 (20 minutes)

At Nikhef we run “fat” pool nodes, with each 100G uplink and 3 HW raidcards and around 1PB of net storage. Getting the most out of this requires careful tuning on the Linux side of things. I will walk you through all the changes we have done and the rational why, and future improvements that can be made to achieve even better performance. Both on the node design and software changes in dcache.

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