

# cernatschool.org's use of CVMFS and the CernVM

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cernatschool.org is a very small Virtual Organisation made up of secondary school and university students, and participating organisations in the Institute for Research in Schools.

We use CVMFS to deploy dependencies and Python 3 itself for custom software used for analysing radiation data from Medipix detectors. This software is designed for running on GridPP worker nodes, part of the UK based distributed computing grid.

The cernatschool.org VO also uses the CernVM, for job submission and interacting with the grid. The current use for both CVMFS and the CernVM is for facilitating analysis of 3 years worth of data from the LUCID payload on TechDemoSat-1.

The CernVM looks like it could be particularly useful in the future for a standard system for students to use to program and analyse data themselves with, allowing easy access to any software they might need (not necessarily using GridPP compute resources at all).

**Author:** FURNELL, Will

**Presenter:** FURNELL, Will

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