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Building a LIGO HTCondor site on top of a shared HPC cluster

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All members of the LIGO Scientific Collaboration have access to a handful of dedicated LIGO Data Grid clusters which feature HTCondor, system-installed software, the LIGO and Virgo data, and other standard components. Cardiff University also host a LIGO Data Grid Site, but this is built on top of the shared institutional HPC cluster. In this talk I describe how I used HTCondor, Spack, Singularity, and CVMFS to create a LIGO site that aims to provide users with a "no-surprises" experience.

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