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Qserv: A distributed shared-nothing database for the LSST catalog

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To satisfy the need to efficiently store, query, and analyze catalogs running into trillions of rows and petabytes of data, we are developing Qserv, a distributed shared-nothing SQL database query system. We describe Qserv's design, architecture, and ability to scale to LSST's data requirements. We illustrate its potential with some current test results.

Topic:

Computing infrastructure and data management

Presenter: MUELLER, Fritz (SLAC)

Session Classification: Workshop