

CoG Kits Speed Up Development of Data Grid for LIGO

The NSF funded Laser Interferometer Gravitational-Wave Observatory (LIGO) has used the Python CoG Kit to replicate over 50Tb of data to more than 40 sites on 3 continents. The Python CoG Kit (pyGlobus), developed by DOE's Lawrence Berkeley National Lab, provides an easy to use interface to the Globus Toolkit from DOE's Argonne National Laboratory. It is currently used by a large number of groups to rapidly develop Grid applications, problem solving environments, and portals. By supporting the rapid development of Grid applications, the Python CoG Kit has allowed LIGO researchers to focus more time on the search for gravitational waves instead of software development.