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GridLab - A Grid Application Toolkit and Testbed

Deliverable 4.6: Completed migration of ASC Portal to portlet framework

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Abstract: This document reports on GridLab Deliverable 4.6 (Migration of ASC Portal to portlet framework).

1 Completed migration of ASC Portal to portlet framework

As of Month 24, the Portals Work Package (WP4) had completed the migration of the relevant functionality of the ASC Portal to the GridSphere framework in a web application called "Cactus Portlets". Indeed, a great deal of the administrative and Grid functionality that existed in the ASC Portal already exists in the GridSphere web application and Grid Portlets web application respectively. GridSphere is the portlet framework developed by WP4 to support general Web application development, while Grid Portlets contains Grid Portlets and tools for developing Grid-enabled Web applications. Cactus Portlets builds off these two applications to provide a Web environment for running and tracking Cactus simulations on a Grid. The Cactus Portlets web application is currently deployed in a GridSphere portlet container on the GridLab Portal at <http://portal.gridlab.org>, where it was demonstrated at SuperComputing 2003 in Pheonix, Arizona as part of the GridLab Application Migration Scenario Demonstration. Cactus Portlets is also deployed at the Max-Planck-Institute for Gravitional Physics at <http://portal.aei.mpg.de> and is currently being enhanced to support the HPC computing needs of the astrophysicists that use Cactus for application development. More information about GridSphere and Grid Portlets can be found at <http://www.gridsphere.org>.