ATLAS Grid Information System

Content:
We present ATLAS Grid Information System.

AGIS (ATLAS Grid Information System) is being developed by ATLAS to integrate configuration and status information from various independent sources like EGEE BDII, Panda site information DB, GOCDB, ATLAS DDM configuration files ('Tiers of ATLAS'), and others.

AGIS then provides a common source, through common interfaces, for the plethora of information required to configure and operate ATLAS distributed computing systems and services. While AGIS will replace some ATLAS-specific sources like the Panda and DDM information DBs which have no counterpart in the middleware, AGIS integrates middleware information sources by caching their information, removing the source as a direct dependency for the client, but without duplicating the source information system.

AGIS was developed to provide a single portal and information cache for application developers and interactive users. The interactions with various information providers is hidden. Automated checks are performed to protect the consumer and provide reliable and consistent information.

AGIS has already proved useful to ATLAS by replacing many configuration files and downtime information sources.

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