

## **Interoperability with middleware independent information service**

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Grid users expect information on the status of their jobs or of available resources via standardized interfaces, and regardless of the different grid middleware stacks they have to use.

A middleware independent information service, which is also capable to acknowledge the VO context, is the AstroGrid-D information service Stellaris. It is based on the RDF data model (Resource Description Framework) in the RDF/XML standard syntax. The powerful SPARQL language, a SQL like query language for RDF, is used to retrieve the stored information.

Stellaris' flexible data model allows for both machine and human readable output formats. Combining data from various information providers as well as different instances of the information service is possible. Stellaris thus provides the basis for many applications, such as interoperation within a network of telescopes or a general monitoring information service for resources and jobs.