

Objectivity Case History

Customer Information

Customer: CDS (Strasbourg Astronomical Data Center)

Industry: Scientific

Application Domain: Managing very large astronomical catalogues (1 billion of objects should be considered as an average figure) with multidimensional indexes.

Status: Training was done in early '98 and CDS is now developing the software.

Platform: Sun Solaris.

Compiler: Sun.

Other Tools: None.

For the first time, CDS will develop an application to feed a database with very large catalogues and build an index based on techniques like k-d trees for instance. Once the system is operational, and if Objectivity fulfils the requirements, the system will be opened to external users, probably in some future the whole astronomical community, through at least two interfaces: a web interface and a client API. This API will not directly access the database server, but a CDS module.

Buying Criteria

The buying criteria is the belief that Objectivity/DB is the only commercial solution that could meet the scalability that CDS needs. The fact that other users in close related fields, especially the SLOAN project (producing a digital sky survey) had decided to use Objectivity had a very positive influence

Why Objectivity

The only potential commercial scalable solution.

Contact Information

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