

THE US NATIONAL VIRTUAL OBSERVATORY

Caltech VOSpace Implementation

Matthew J. Graham (Caltech, NVO)



Components

- Web service
 - Uses XFire 1.2RC1 and XmlBeans 2.1.0
 - Run as standalone service (using embedded Jetty) or deployed as Java servlet (Tomcat)
- Metadata store
 - Lightweight abstraction layer that sits on top of an existing db or other data store
 - Implementations for MySQL and Virtuoso open source databases
- HTTP data server
 - Supports HTTP PUT and GET (v1.1)
 - Uses one-time URLs (1 hr lifetime)
 - Interfaces with metadata store
 - Built on Apache HttpCore
- Client
 - Simple command-line client to web service and HTTP data server
 - Uses Apache Axis 1.2.1 Final

Status

- Shipped as part of NVOSS 2006 software package
- To do:
 - WS-Security
 - View conversions

