

GridCat

ITB Service Integration Plan

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Service Description

- High level site status catalog
- Front-end : Status web page with maps
- Back-end : Uses scripts to update information MySQL
- Information can be accessed through
 - Web
 - MySQL
 - XML-RPC (gcatc GridCat client)

Installation

- Uses VDT and MIS infrastructure in sites
- Service host : www.ivdg.org/osg-int/gridcat
- Pacman 2 cache for GridCat is to be used:
www.ivdgl.org/gridcat/GridCat
- Pacman installation will ask questions on
Web server/port, MySQL host/port, VDT client, GridCat
operator's email,

Configuration

- `gridcat.cfg` is filled with all the answers
 - Manual configuration is sometimes necessary
- Site population(`addgridsites.sh`)
 - A list of participating FQDN
 - Site population script figures out “ALL” based on the FQDN, VDT, and (MIS).
- Site name adjustment (`gridcat-editmap.sh`)
 - Edit sitename and dot position
 - US and Asia are the only maps necessary for this.

Test and Validation

- No tests are yet prepared because of the nature of the service
- autoconf and installation procedure checks installation requirements
- After installation/configuration/site population:
 - List of sites populated in the catalog
 - Maps with red dots are available and CPU/Disk graphics are not ready yet at this point
- After back-end scripts completed a cycle
 - Full information with green/red dots should be visible

Test with Gridcat Client

- GridCat client is automatically installed during the GridCat installation
- Use GridCat Client:
 `cd $gridcat`
 `source setup.sh`
 `gcatc.py --sitenames`
 `gcatc .py--hostnames`

Support and Documentation

- Main Gridcat web page :

www.ivdgl.org/gridcat

- Contact

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Pending Issues and Next Steps

- Gridcat uses fork manager for back-end. This should be changed to use MIS jobmanager
- Session management for different users are implemented. X509 will be used to restrict access to sensitive information
- Siteadmin can be allowed to correct incorrect information or to announce special downtime announcement, etc.

Pending Issues and Next Steps

- Next version :
 - Mixed MIS/fork recognition (OSG compliancy)
 - Hide sensitive information
 - Identify who is(are) the site admin(s)
- Time line
 - Release 0.7 - OSG-ITB 2/10/2005
 - Develop OSG Compliancy 3/1//2005
 - Testing 3/8/2005
 - OSG Compliant GridCat 0.8 3/10/2005

The End