

Requirements from the Software Infrastructure for LOCALGROUPDISK space  
token management at USATLAS sites  
for USATLAS Computing Operations, (Draft 1.0)

*Short term goals*

- Have fully operational monitor
- Must show the complete list of users, with their datasets and used space at each US site LOCALGROUPDISK
- Also must show the total used space per user at all US LOCALGROUPDISKs
- Each page must have a time stamp reflecting the time data was extracted
- Set a cron job to run analysis and populate the pages regularly (weekly must be enough)

*Data Collection and Analysis Module*

- Define the data we need to get from the DQ2/Rucio
- Develop the analysis software
- Define the data to be stored locally in the database
- Directly linked to the Database Module

*Web Pages Module*

- Monitoring pages must be complete and fully operational as a short term goal
- Web form to be filled by the user/group seeking extra space, telling details about that data sample (see the policy document)
- Web pages/tables showing all the cases when the extra space was requested, how much was granted, time constraints, relation to a particular physics/performance groups activity, etc.
- Deletion service box, where the user can drop the list of obsolete datasets to be deleted. The deletion service box can be prototyped from the existing DaTRI framework with similar features. It will also submit that request to the central deletion service
- Directly linked to the Database Module

*Policy, Coordination and Execution Module*

- Place where the operator can input all the policy and action parameters
- Generates all the policy based decisions

- Linked to all the modules, gets the information, analyses it according to the policy algorithm and defines specific actions for each module
- Generates email notifications to users

### *Database Module*

- Stores data from all the modules