

SAM status

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SAM web interface

- User facing part of new SAM web API is largely complete
 - Still room for minor additions and improvements
- Two new features still to be deployed
 - Full subrun support
 - Numeric parameters

Subruns

- Original SAM database schema featured runs, but no place for subruns
- Workarounds are unsatisfactory
- We have now updated the schema to properly handle subruns
- Will be deployed later this month
 - Except for Minos/Minerva (not compatible with old SAM commands)

Numeric parameters

- SAM supports experiment defined generic metadata parameters
- Although could set a data type, internally they were always stored as strings
 - Incorrect behaviour for > and < queries; inefficient storage space and performance
- Any existing numeric parameters will have to be converted to gain benefits

Improved dCache support

- Currently working on improved support for dCache
- Largely internal changes; transparent to end users
- Support for multiple access methods
 - Gridftp; NFS; xrootd; ...anything dCache supports
- Better ordering of file requests
 - Efficient tape staging

Other planned improvements

- Better interactive dataset definition editor web page
- Improved user access authorization for API methods
- Investigate offsite data access methods
 - Federated xrootd; iRods, ...