DPM status and plans

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Outline

- Current release
  - Features and bug fixes introduced since previous release
  - Known problems
- Roadmap

Current release: 1.6.7

- Features and bug fixes
  - Use of gsoap 2.7.6 for compatibility with other middleware
  - Add possibility to drain pools/filesystems per vo/group
  - DPM Python interface
  - Automatic reconnection to DB

- Known bugs
  - Timeouts in pool/filesystems drain operations

Roadmap (1)

- ## Version 1.6.8
  - Add a command line tool to list virtual uids and gids
  - Add CLI to list space tokens and associated metadata

- ## Version 1.6.9
  - IPv6 support

- ## Version 1.6.10
  - DICOM back-end service
  - Improved drain utility
  - MacOSX support
  - Will be released for production at the end of February

Roadmap (2)

- ## Version 1.7.0
  - srmCopy
  - Common RFIO
  - Handling of space tokens in direct (no SRM) RFIO and gridFTP calls
  - Bug fixes for problems discovered during February CCRC08
  - Will be released for production at the beginning of April

Handling of space tokens (1)

- Space tokens are honored in PrepareToPut

- Space tokens are ignored in PrepareToGet/BringOnline for files already online

- Space tokens will be honored for PrepareToGet/BringOnline when bringing a nearline file to online

- Disk pools can be dedicated to a list of groups (VOMS FQAN)

- Spaces can be dedicated to a user (DN) or to a single group (VOMS FQAN)

- Files can be stored without specifying a space token (compatibility with SRM v1)

Need help?

- ## DPM online documentation

  https://twiki.cern.ch/twiki/bin/view/LCG/DataManagementDocumentation

  - Reference man pages
  - Administrator guide
  - Troubleshooting

- ## Support

  – helpdesk@ggus.org

- ## General questions

  – hep-service-dpm@cern.ch