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SRM 2.1 features

Present

- Data transfers (srmPrepareToGet/Put…, Abort)
- Pinning
- Relative Paths (only uid/gid)
- Directory functions (no recursive rmDir)
- Global space reservation except CompactSpace (infinite storage)
- File types volatile, durable, permanent (always permanent)

Missing

- VOMS and permissions. Coming in February
- srmCopy. Pending on Castor, coming in February
- Suspend, Resume. Not required

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Interoperability

Good

- Using common WSDL for SRM 2.1
- Full test suite was developed by RAL
- Tested CASTOR SRM with DPM clients and DPM SRM with CASTOR clients

Less

good

- SRM Specs do not state when/where to use status codes
  - discrepancies between CASTOR and DPM
  - Shaun De Witt making a proposal for standardization
- Type Promotion
  - If client requests volatile or durable, SRM returns SUCCESS and allocates permanent space

Deployment

- RPM is available on castor web site
- First test instance of SRM 2.1 has been deployed on lxb2079:9000, opened to users.
- A second one is being prepared for pre-SC4 interoperability tests, example clients are :
    - FTS
    - Other SRMs (dCache, DPM)
    - Experiment specific clients ?
- SRM 2.1 service deployed for SC4
    - single end point
    - shared by all CASTOR2 instances
- Support arranged with RAL for SC4 and year 2006