DSS Release 1.4


Overview

The work for the LRZ Data Science Storage (DSS) and DSSWeb Self Service Portal Version 1.4 was dedicated to update the LRZ DSS and HPC infrastructure from IBM Spectrum Scale Version 4 to 5. As a side effect of this, we are now able to provide you self-service management of the NFS exports of your containers. Last but not least, the DSS service is now also available on an on demand basis.

New Features

Service Fullfilment

- Besides the joint project offer for procuring and running a complete dedicated DSS building block for your project, we now are also able to offer DSS on demand (DSSOND) for smaller storage requirements starting from 20TB.

DSS System Layer

- Updated Spectrum Scale from 4.2.3 to 5.0.1 on DSS
- Updated Spectrum Scale from 4.2.3 to 5.0.1 on CoolMUC2 and CoolMUC3

DSSWeb Self Service Portal

- NFS Exports
  - Create container NFS exports to arbitrary machines in the LRZ datacenter using the CLI and API
  - Delete container NFS exports to arbitrary machines in the LRZ datacenter using the CLI and API
  - Set an expire date for NFS exports after which they automatically get disabled and deleted using the CLI and API

Documentation

- Adjusted user documentation to new Globus Online data transfer app

Deprecated Features

DSS System Layer

- The direct DSS file system mount on the SuperMUC Login Nodes has been deprecated. See DSS How to transfer data between SuperMUC and DSS for a workaround.

Resolved Issues

- Create/Update/Delete of container NFS Exports is currently only possible via a service request on the LRZ Servicedesk.

Known Issues and Limitations

- Restore of backed-up/archived data is currently only possible via a service request on the LRZ Servicedesk.
- DSSWeb can only be accessed from within the Munich Scientific Network (MWN).
- DSSWeb Webinterface may not work correctly when opened in multiple browser tabs.
- After accepting an invitation or doing the first time Globus registration, it can take up to two hours until the user is enabled for the Globus platform.