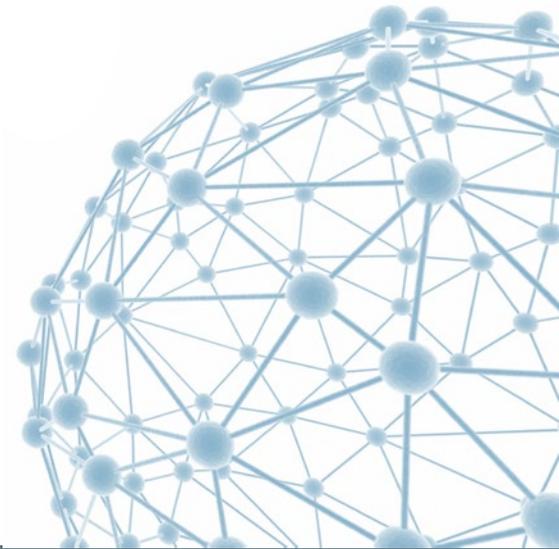




The DPM Collaboration

Oliver Keeble
DPM Workshop, Napoli

09/10/2014



DPM Collab – why?

- DPM now has to be run as a community effort
 - CERN is underwriting core development
 - But does not run DPMs
 - CERN's investment is **much** easier to justify internally when met with a matching commitment from other institutes
 - Partners have complimentary skills/resources
 - e.g. taking the testing burden from CERN makes a big difference for us
 - ...so thank you!

DPM collab – who?

Area	Partner
DMLITE/VFS	CESNET
Admin tools, rebalancing	GridPP
I/O Monitoring	Japan
Web admin interface	France
Support (beyond local responsibilities, not necessarily on rota)	GridPP
Documentation & web presence	GridPP, ALL
Configuration, puppet, YAIM transition	France, GridPP
Permanent pilot testing (EPEL-test) – for validation of all updates	GridPP, France, Italy
Ad-hoc testing: HTTP/DAV	GridPP
Ad-hoc testing: S3 validation	GridPP
Ad-hoc testing: HTTP federations	Italy, GridPP
Ad-hoc testing: IPv6	GridPP
Ad-hoc testing: GridFTP redirection	Needed
Hammercloud & I/O optimisation	GridPP, ASGC
All activities not mentioned above, see note	CERN

When is a “DPM” not a “DPM”?

- The “DPM Collaboration” name is necessary but is not the full story
 - The collaboration’s interest covers the full codebase
- **dmlite** is a framework from which we have built numerous things:
 - DPM
 - LFC
 - Dynamic federations
- And could build other things
 - Cloud storage integrators
 - Personal storage accelerators
 - HDFS gateways
 - ...use your imagination!

DPM collab - opportunities

- Please consider opportunities for the project
 - Most of you are associated with academic institutions
- H2020
- Projects
 - OAuth? CDMI? Smart replication? ...
- Masters theses
 - One ongoing to enrich the HTTP interface with more file management functions
- Keep all these possibilities in mind and let us know!