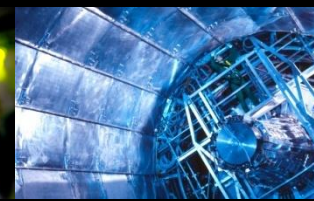
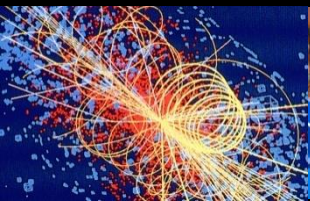


# Globus Toolkit Status

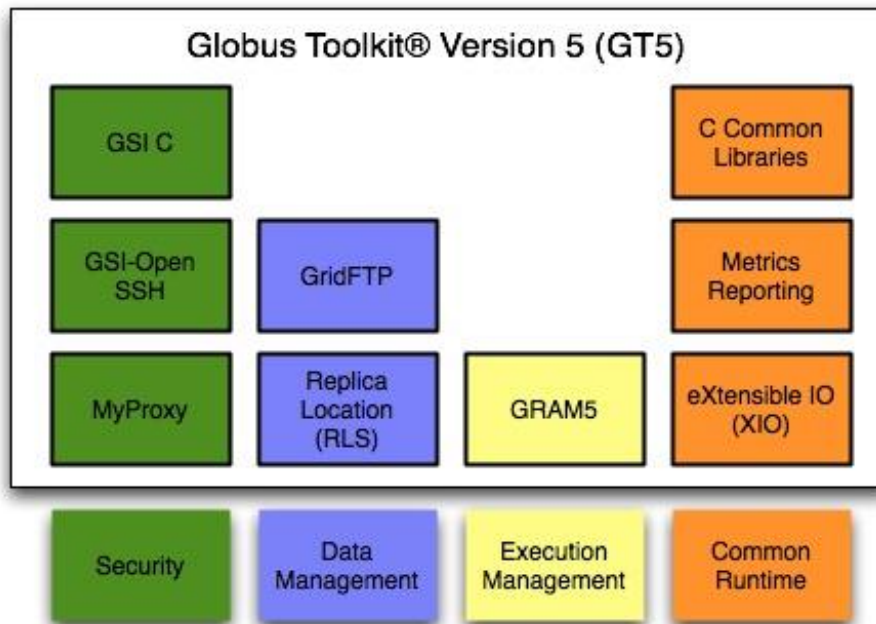
*Andrea Manzi, Oliver Keeble*

WLCG GDB 13/09/2017



# Globus Toolkit

- The open source Globus Toolkit has been developed since 1998 as an enabling technology for grids.



# Globus Toolkit EOL

- [https://github.com/globus/globus-toolkit/blob/globus\\_6\\_branch/support-changes.md](https://github.com/globus/globus-toolkit/blob/globus_6_branch/support-changes.md)
- Univ. Chicago will end supporting the Globus Toolkit in January 2018
- Maintenance and security fixes will still be available till the end of 2018 for some components:
  - GridFTP, GSI, MyProxy
  - the ones needed by WLCG now

# Source/packages availability (GLOBUS FAQ)

- **Will the Globus Toolkit RPM and Debian package repositories disappear?** “At the end of 2018 we plan on shutting down the Globus Toolkit package repositories, which host source and binary packages of the Globus Toolkit”. *(WLCG relies on EPEL/UMD, so no problem)*
- **Will the Globus Toolkit GitHub source repository remain available after 2018?** “Yes. But the Globus team at the University of Chicago will no longer update it.”

# Affected Middleware in WLCG

- Mostly data management components.. but not only:
  - Server side
    - FTS, DPM, StoRM, ARGUS, ARC-CE , EOS (xrootd-dsi), etc
  - Clients side
    - Gfal2, fts-client, cream-cli, storm-srm , etc
- The whole WLCG data distribution infrastructure is based on GridFTP (except for ALICE)
- Experiments Frameworks are also affected

# Impact

- No major open bugs
  - We recently provided patches by our own bypassing upstream ( thanks to Mattias Ellert Globus maintainer in Fedora)
- Support during the last years was not so responsive
  - Some tickets still open on github, no answer yet..
- Possible future security issues and transitions to new versions of OS libs e.g. new openssl

# Infrastructure support

- OSG already announced their full support for gridftp and GSI as they are already doing for other software in EOL ( e.g. Bestman)
  - <https://opensciencegrid.github.io/technology/policy/globus-toolkit/>
- EGI URT has started to assess the plans of the UMD products depending on Globus
  - [https://wiki.egi.eu/wiki/Globus\\_EOL\\_assessment](https://wiki.egi.eu/wiki/Globus_EOL_assessment)

# EGI Data TCB phone conference

- EGI Data TCB phone conference on 22<sup>nd</sup> Aug with MW providers and infras representatives (WLCG, OSG, EUDAT, PRACE, EGI, DPM, dCache)
- Everyone agreed to coordinate their effort to support Globus products in the next years
- In the long term new initiatives will be put in place to find production quality alternatives (e.g. `httpd/xrootd` for GridFTP, Oath2 for GSI)
  - interoperable transfer/auth solutions if possible



# Support group

- [gt-eos@mailman.egi.eu](mailto:gt-eos@mailman.egi.eu) has been created
  - Please contact [matthew.viljoen@egi.eu](mailto:matthew.viljoen@egi.eu) or [peter.solagna@egi.eu](mailto:peter.solagna@egi.eu) to join it
  - <https://mailman.egi.eu/mailman/listinfo/gt-eos>
  - Although this list is hosted by EGI, discussions are global and not coordinated by EGI.
- Next conf call before end of the year (Nov)
- F2F meeting to be discussed
- For more info WLCG-side please contact me, Oliver or Maarten

# Next Steps

- Try to establish the collaboration before the end of the year
- Although Globus github repo will be kept online we better create a new home for it
  - Naming? License?
- Understand effort of the different organizations
  - i.e. help Mattias Ellert's job in Fedora ( CERN can start co-mantaining some of the packages ?)



# Questions?

