

Charter

GLIF Architecture Task Force



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Draft, version 0.8, Erik-Jan Bos, Inder Monga, Bill St. Arnaud

1. GLIF, the Global Lambda Integrated Facility, is an international virtual organization that promotes the paradigm of lambda networking. The GLIF participants provide lambdas internationally as an integrated facility to support data-intensive scientific research, and supports middleware development for lambda networking. GLIF has a number of working groups.
2. The Technical Issues working group (GLIF Tech) is the platform within GLIF to share experiences and collaboratively develop best common practices for an international LambdaGrid infrastructure. Its participants identify which equipment is being used, which interfaces and protocols should be used for connections and the control planes, and which functions and services should be provided for a seamlessly functioning multi-domain environment giving researchers and scientists the global perspective on using networked resources.
3. During the 11th Global LambdaGrid Workshop in Rio de Janeiro, Brazil in October 2011, the Architecture Task Force was created under the GLIF Tech, after preliminary work by Bill St. Arnaud on GLIF Open Lightpath Exchange (GOLE) governance.
4. The GLIF Architecture Task Force will deliver a framework for an architecture for next-generation lightpath capable networks and GOLEs that aims to be end-to-end, programmable, multi-domain, multi-layer and multi-technology.
5. The GLIF Architecture Task Force will report its progress at each meeting of the GLIF Tech, until dissolved which will either happen when the Task Force is done or when killed by the co-chairs of the GLIF Tech, e.g. due to lack of progress.
6. The GLIF Architecture Task Force focuses on a high level architecture for GLIF, inclusive of technologies and solutions, and is scheduled to deliver a White Paper on GLIF Architecture. This White Paper will be a living document, created and maintained by the Task Force on the GLIF Wiki, until ratified after which the Task Force will close down.
7. The GLIF Architecture Task Force may issue an initial scoping document on the topic of GLIF Architecture in the form of a Green Paper. This Green Paper will be a living document, created and maintained by the Task Force on the GLIF Wiki.
8. The GLIF Architecture Task Force will meet as often as it deems necessary in between GLIF Tech meetings, either in person or by videoconference. A dedicated mailing list under the glif.is domain for its members will be established, and is open for subscription to anyone.

9. Travel costs for a member of the GLIF Architecture Task Force participating in a meeting will be borne by the member's organization. The time needed to work on the Task Force will be supplied by the member's organization.
10. Initially, the Task Force will be co-chaired by Inder Monga (ESnet), Bill St. Arnaud (SURFnet) and Erik-Jan Bos (NORDUnet).