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Globusonline.org – Reliable File Transfer, No IT Required

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Science has become increasingly computation and data intensive. The ability to locate suitable resources, access resources reliably and securely, create and manage virtual organizations spanning multiple administrative domains, and transport large quantities of data, has emerged as fundamental requirement for progress. Globus software is established as a major source of middleware delivering these capabilities. We recently reengineered certain Globus components, improving usability and manageability in order to decrease the cost and complexity of deploying, operating, and using Globus infrastructure.

However, we see lower rates of adoption among smaller scientific teams. To meet the needs of these communities, we are developing a new online, hosted service, globusonline.org, that provides a more integrated end-user solution for researchers. The initial goal of globusonline.org is to provide robust file transfer capabilities. Scientists often need to move data while pursuing their domain-specific goals (e.g., transferring simulation results from HPC facilities to their home institutions in accordance with purge policies, disseminating data to colleagues for further analyses, pipelining data to/from specialized machinery, etc.) Yet moving high-volume data across wide area networks is no easy task. Infrastructure failures are common, and tracking which transfers succeeded and which ones failed can be quite time-consuming. globusonline.org addresses these issues by delivering high-performance, reliable data movement services to end-users without requiring construction of custom, end-to-end systems.

In this session, we will provide an update on recent developments in Globus and discuss future plans. We will also provide a brief introduction to globusonline.org, demonstrate current capabilities, and describe how they map to some current use cases.

Duration (90min sessions)

90min. (one session)

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