

Title:

Globus Platform Services for Data Publication

Abstract:

Data publication systems are typically tailored to the requirements and processes of a specific domain, collaboration, and/or use case. We propose here an alternative approach to engineering such systems, based on customizable compositions of simple, independent platform services, each of which provides a distinct function such as identification, metadata association, and discovery. We argue that this approach can reduce costs and increase flexibility and overall service quality. We describe a collection of such services that we are developing within [Globus](#), which initially provide persistent identifier association, data management, and discovery capabilities; we are also working towards an automation service that can reliably and flexibly coordinate these and other services to satisfy varied user needs. We describe data publication use cases that motivate our design, present our vision for a data publication platform, and report on current implementation status.

Bio:

Greg Nawrocki is the Director of Customer Engagement of the [Globus Department at the University of Chicago](#). He is responsible for ensuring subscribers are getting optimal value from their [Globus subscriptions](#) by promoting user adoption. His experience includes building controls and diagnostics for high energy physics experiments, software development in the television and consumer products industry, working with the Globus Toolkit in the early days of Grid Computing, and as the technical lead for a data analytics company he co-founded. Greg holds a B.S. in Electrical Engineering from Michigan State University and a M.S. in Electrical and Computer Engineering from the Illinois Institute of Technology. He enjoys bridging the gap between science and technology and the marketing and business development worlds.

Relevant link:

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