



CDIGS: Community Driven Improvement of Globus Software

<http://www.cdigs.org>

What is CDIGS?

Funded under NSF's Cyberinfrastructure Initiative, the CDIGS (*Community Driven Improvement of Globus Software*) project ensures the continued development and support of the Globus Toolkit - the leading open source platform for grid infrastructure. While the primary focus of CDIGS is the National Science Foundation's (NSF) user community, it also provides benefits to the grid community at large. CDIGS is currently in its first year of operation.

CDIGS has the following goals:

- To evolve and enhance Globus functionality, performance, scalability and robustness
- To improve usability and manageability, so as to decrease the cost and complexity of using Globus infrastructure
- To support NSF users and communities
- To expand the Globus community

Open Development and what it means to you

The Globus toolkit has been developed under an open source license from its inception in 1996. The CDIGS project enhances this openness via the adoption of a **transparent development process** as described in the handout on the [Globus Development Roadmap](#). Software status, feature lists, development plans and timelines are easily available to the community at large. This open model of development allows users of Globus software to have an important say in defining its development directions and its future. It makes it easy for developers to contribute software, modules, documents, solutions and implementations to the existing body of work, leading to a bigger and more robust Globus community along with a useful suite of software. All software is available under a standard open source license. For more information, please look at the web pages and the handout on [dev.globus](#) and the [Globus Incubator Process](#).

How can you get involved?

If you are part of the NSF user community or project, CDIGS has established an explicit outreach effort. The goal of this effort is to engage current and prospective Globus users in order to identify your set of requirements, meet your needs through our work, and to adapt our

development and activities in order to continue to meet your changing requirements. We have begun interacting with NSF user communities via individual project meetings, interviews, workshops, tutorials and presentations to establish a tight coupling and to set up a continuous two-way exchange.

We target key community events to reach current and potential Globus users. If you are a scientific user or developer, you can join the CDIGS efforts by downloading and trying our software, participating on the mailing lists, using the [dev.globus](https://dev.globus.org) and the Incubator processes to provide feedback, suggestions, directions and software contributions.

Highlights of CDIGS achievements to date

Released software

During the past year the CDIGS team has produced three releases of the Globus Toolkit: two incremental releases from the stable branch ([4.0.2](#), [4.0.3](#)) and one development release ([4.1.0](#)). The releases contain several new features, security enhancements and improvements in usability, performance and reliability. The team has also affected several improvements to documentation, including the creation of How-To guides, glossaries and other documents aimed at improving usability.

Created the Globus Development Roadmap

As part of its efforts to promote transparency and encourage input from the community, the CDIGS team published its development work plans in the newly created [Globus Development Roadmap](#).

Founded dev.globus

Recent work of the CDIGS team included the creation of the [dev.globus](https://dev.globus.org) community forum, a new home for open development of Globus Software. Modeled on Apache Jakarta, *dev.globus* comprises the policies, processes and infrastructure (mailing lists, issue trackers, web pages and source repositories) that enable on-demand user support and facilitate community participation at all levels and stages of Globus development.

Community expansion and outreach

The new *dev.globus* incubator process, established to open and expand the Globus community, has met with great success. Several new Globus incubator projects are now operational, bringing new ideas and directions for Globus-related development. In the area of outreach, we have worked to assess the needs of key scientific communities by conducting numerous presentations and workshops, as well as participating actively in several meetings.

Opportunities for interaction at GlobusWorld

Several CDIGS staff members are attending GlobusWorld and participating in a variety of sessions. We are also staffing the Globus Open Source booth. Please take the opportunity this week to talk with us face-to-face, asking questions, explaining your requirements and sharing your ideas for how CDIGS might further support your efforts.