

Call for Community Testing: RFT in GT 3.3.0

What is a “Call for Community Testing”?


A Call for Community Testing is a mechanism to notify our users that new Globus code is available for testing in the field. Through these calls, the Globus Alliance hopes to expose its code to a wide variety of usage scenarios early in its development process. The ultimate goals are to catch bugs that have historically been found only after final releases, and to elicit feedback from the community on ways our software can be improved.

Participating in the RFT Testing Call is Easy!

1. *Optional:* Consider sending mail to testing@globus.org to let us know that you’re helping out and describing what you intend to test
2. Install the software in a non-production environment: Use the 3.3.0 distribution from <http://www-unix.globus.org/toolkit/downloads/development/>
3. Use RFT as you normally would; stress tests are encouraged!
4. Log your experiences in <http://bugzilla.globus.org/globus/> under RFT, version “development”. Please mention 3.3.0 explicitly in the body of the report.
5. *Optional:* Consider sending descriptions of your tests to testing@globus.org so that we might use them to build standard tests in the future

If you have any questions or comments about the process, feel free to contact Bob Gaffaney at gaffaney@mcs.anl.gov.

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The Testing Period For This Call: 28 April – 30 June 2004

About RFT

This version of Reliable File Transfer (RFT) is an OGSI-compliant service that provides interfaces for controlling and monitoring 3rd party file transfers using GridFTP servers. The client controlling the transfer is hosted inside of a grid service so it can be managed using the soft state model and queried using the ServiceData interfaces available to all grid services. It contains the same functionality as a reliable and recoverable globus-url-copy.

Reasons for testing RFT

This version of RFT includes scalability improvements over the RFT included in GT 3.2. Feedback regarding the success of these improvements is welcome. The improvements come in the form of a change to RFT's WSDL: an SDE has been removed and a new, more scalable portType added.

Components affected by RFT

1. No components are specifically affected by RFT changes.

Environment/build parameters and other special conditions to test

1. Submit a recursive directory transfer with many files in it (where "many" is a number greater than 10000)

Release Notes

- rft schemas have been reworked by replacing an SDE with an equivalent portType operation to increase scalability. The SDE that represented the status of all files in a transfer request is replaced by two portTypes on RFT service (getStatus(String dest_url) and getStatusGroup(int initial, int offset)
 - Added a client to getStatus() functionality
 - changed database schema to persist subject names of source and destination gridftp servers if they are not the default ones.
 - fixes bugs 1368,1661
- A new SDE was added in this release "OverallStatusSDE" that gives following information
 - Total number of files in the request
 - Number of files in each state, i.e. pending, transferring, complete, etc.

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