3 August 2004
The Globus Alliance

Call for Community Testing:
GT 3.9.2
RFT – Reliable File Transfer

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 3.9.2 distribution from http://www-unix.globus.org/toolkit/downloads/development/; the code can also be retrieved directly from CVS using the tag **globus_3_9_2.**
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 3.9.2 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 or Lisa Childers at childers@mcs.anl.gov.

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About RFT

This version of Reliable File Transfer (RFT) is a WSRF-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 Web service so it can be managed using the soft state model, and queried using the Resource Property interfaces available to WSRF services. It contains the same functionality as a reliable and recoverable globus-url-copy.

Reasons for testing RFT

The main reason for testing RFT is to get feedback on the new WSRF port. This version of RFT also includes scalability improvements over the RFT included in GT 3.2. Any feedback regarding the success of these improvements is welcome. We would particularly like feedback on attempts to move very large (10's or 100's of thousands, or even 1,000,000+) transfer requests.

Substantial improvements in the form of changes to RFT's security code were also made. Host based authorization and GSI-based authorization have been added to the RFT Factory. The default clients have been updated to perform Host Based authorization with the RFT factory and perform delegation only when necessary. The clients also perform Self authorization as default now.

Components affected by RFT

No components are specifically affected by RFT changes.

Environment/build parameters and other special conditions to test

- Submit a transfer to the RFT factory using the clients provided
- Update clients that you may have written in order to test the new security code

Release Notes

http://www-unix.globus.org/toolkit/docs/development/3.9.2/rft/release_notes.html

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