GlideTester
A framework for distributed testing of network-facing services using Condor glideins on Grid resources.

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Services receive requests from many places
Should be tested the same way

Tests should be performed at different concurrency points
And must be repeatable

Conveyor belt

Tester needs an automated tool
Single submission point

Condor glideins provide convenient solution
The overlay provides uniform access

What is a Condor glidein?

Condor batch system, with execute daemons started in the Grid

GlideinWMS an easy way to submit glideins
Provides a feature-rich glidein factory

GlideTester automates the whole process
User only defines what, not how

How glideins help?

- Separate resource acquisition from utilization
- Discard broken resources
- Fast job startup time
- Resource control
- Precise monitoring
- Repeatability

GlideTester adds automation

Simple configuration
Automation with very little human overhead

Open Source – Hosted on SourceForge
http://sourceforge.net/projects/osgscal/
Support on best-effort basis

More details in the paper submitted to IWHGA2010
http://osg-docdb.opensciencegrid.org/cgi-bin/ShowDocument?docid=937
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