

Condor Enhancements for a Rapid-response Adaptive Computing Environment for LHC

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Condor 7.0

Major **Scalability** Improvements

Focus on **Security** (e.g. privsep)

First *Open Source* Release!

More **Robust**

- * file transfer queueing,
- * job commit retries,
- * deadlocks removed,
- * many fixed-length buffers exterminated

Condor 7.2

Job Router

Big **Glidein** Scalability Improvement

- * strong security over high latency networks

Also of Interest:

- * some support for multi-core jobs
- * pluggable work-fetch in job executor

Condor 7.3 (current development branch)

More **Glidein** Scalability

- * RAM per running job cut in half
- * Sync to disk of job queue optimized

Improved Support for Private Networks

Condor Connection Broker (CCB) is in
Generic Connection Broker (GCB) is out

- * broker failover, restart, reconnect
- * strong security
- * much simpler configuration and troubleshooting!

