

Final TripCom prototype



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- Implementation progress
- Open issues
- Final release

- Security and distribution
 - Security in distributed index storage
 - Secure request forwarding
 - Security checks on distributed subspaces
- Optimization of policy evaluation
 - Enhanced TAM model
- Query Processor
- Additional start scripts
 - All components in one JVM
 - Embedded integration space

- Found and fixed more than 80 bugs since meeting in Milano.
- Distributed subspaces finally work.
 - Create, Lookup, RD (recursive)
- Improved timeout handling
 - API and DM compute new timeout so that it's more likely that results are returned in time.

- **Blocking RD vs. distributed spaces:**
 - Initial implementation: DM waits for results from local TSA before asking other kernels.
 - If there are no local results, the TSA blocks and then there is not enough time to forward the request to other kernels.
 - Improvement: DM forwards requests concurrently.
 - Better, but unless every kernel involved finds a result, the operation cannot be finished before the timeout is reached.
 - Quick fix: DM sets timeout for TSA to 0.
 - Recursive RD works much better.
 - Blocking RD no longer works

- Transactions don't work because there are still a few open bugs.
- Concurrency issues
 - Uncaught exceptions are thrown.
 - Components may freeze.
 - → Severely complicates scalability evaluation!

- Release on Monday, March 30.
- CD-Rom image will include:
 - Documented source code of prototype and use cases
 - Unit tests
 - Start scripts, configuration files, etc.
 - Documentation
- Should we include all dependencies?
 - Many different licenses. Legal issues possible.
 - → Create a second image without dependencies?

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