Trino Contributor Congregation 2024

June 14th | Boston, MA
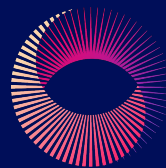
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Agenda

- 9:00-14:00

- Introductions

- Trino community update

- Discussions and collaboration on specific topics

- 12:30 - 13:00 Lunch and networking

- Open discussion

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Trino project and community update

- Discuss and answer questions about Trino Fest keynote
- [New maintainers and subproject maintainers](#)
- Commitment to Apache license, CLA clarification – copyright stays with contributors
- Project of individuals
- Contributors and reviewers as path to maintainership
  - Help get specific features added
- Maintainer is a job with work to be done, not a title with privileges
  - Help with lots of features and overall project health

Forks and working with upstream = Trino

- Admit it - you are maintaining a fork

- Whatever your features on your fork are - we are interested to talk about it

- The cost of maintaining a fork is high

- The more it diverges - the higher the cost

- Use that reason to keep it small

- Management will want to save money and therefore help you to...

- Contribute upstream

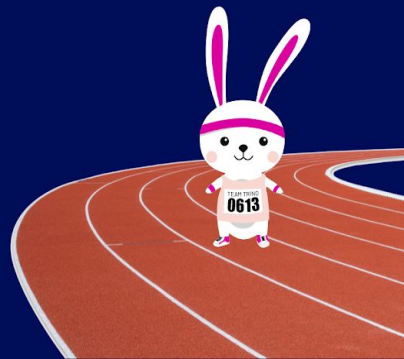Together we can make Trino the best query engine available.

Small Trino topics to discuss

- **Native file system testing and experience**

- **Java 22 adoption progress details**

- **Working on trino-js-client contribution**

- **Object storage connectors**

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Apache Iceberg

- Community effort to ensure continued open Apache Iceberg project
- Additional proposals for Iceberg features, for example indexes (Hilbert index, covering indexes, full-text search indexes with Lucene, geospatial index, vector index), materialized views (including library changes)
- Iceberg aggregation pushdown presented and discussed by osscm
- Incremental refresh on materialized views in Iceberg and beyond osscm

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Support and enable HTTP/2

- **Getting really close**
  - **Client to coordinator**
  - **Internal communication**
  - **Cluster to data sources and other systems**
- **Details in** https://github.com/trinodb/trino/issues/21793

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Trino on Kubernetes

- **Lots of progress with the Trino Helm chart**

- **Proposal for Trino Kubernetes operator (osscm)**

- **Related tooling for metastores/catalogs – for example Snowflake Polaris?**

Trino connector

- PR coming soon

- Details at https://github.com/trinodb/trino/issues/21791

- Various follow up tasks to come

- Related to client protocol performance improvements and potentially also   HTTP/2

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Access control with Open Policy Agent (OPA)

- **Status update on current OPA integration**

- **Effort to create standard request for relational data domain**
  - **catalog, schema, table, column, row, data types,**
  - **SELECT, INSERT, DELETE, UPDATE, …**

- **Work on related tooling and more vagaerg, dprophet, dain**

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Trino Gateway update

Find details in the **separate slide deck from the subproject maintainers**

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Any additional topics to discuss?

Think caching, native file system, table formats, security, connectors, SQL, ...

Lunch and networking

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Open discussion