

Workshop:
Migrate from MySQL
to Highly Available
PostgreSQL with
YugabyteDB

September 12, 2023 11:30am PT



About this Workshop

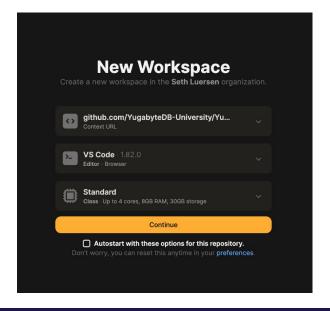
Hands-on in Gitpod



https://github.com/YugabyteDB-University/YugabyteDB-Voyager

VS Code → Editor Browser

Standard → Up to 4 cores

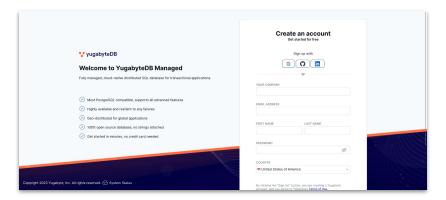




What you will need

YugabyteDB Managed sandbox

https://cloud.yugabyte.com

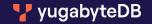


Github Account

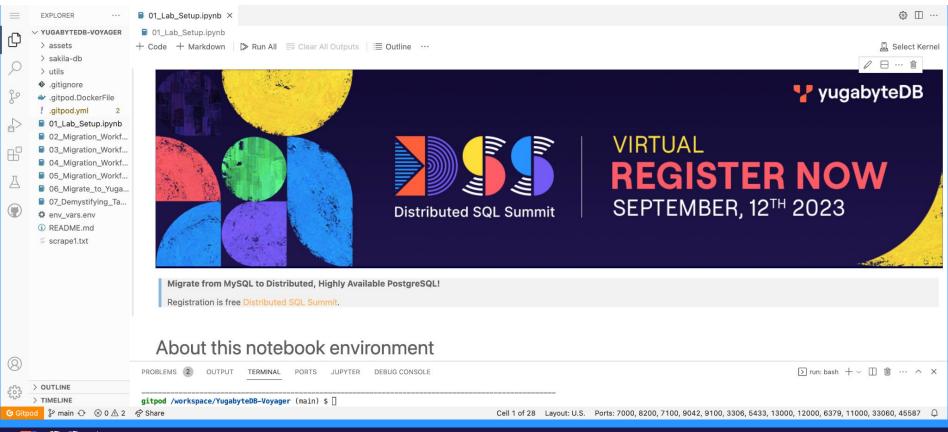
https://github.com/join







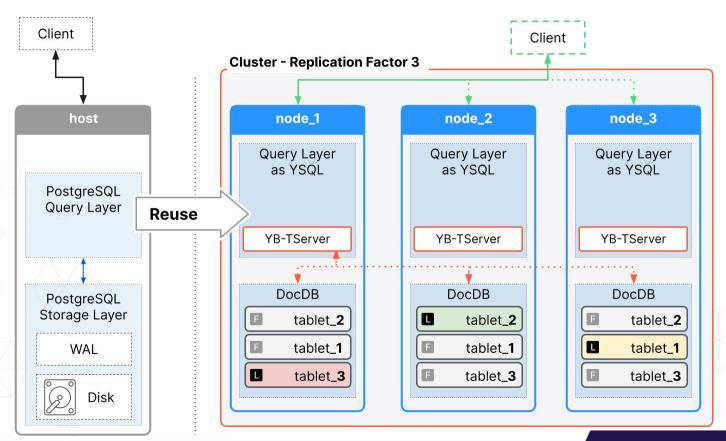
Gitpod Workspace





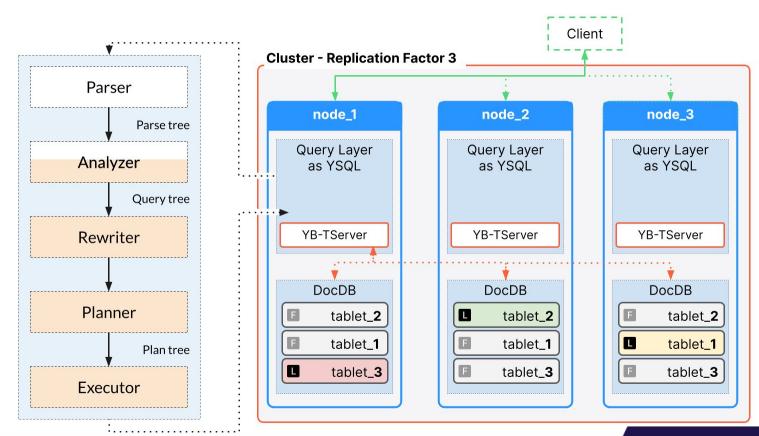


About Highly Available PostgreSQL (1)

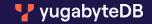


Client connects to any node the cluster

About Highly Available PostgreSQL (1)



Client connects to any node the cluster



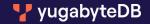
About YugabyteDB Voyager

1.4 Feature

- MySQL, PostgreSQL, Oracle
- Offline migration

1.5 Feature -- New!

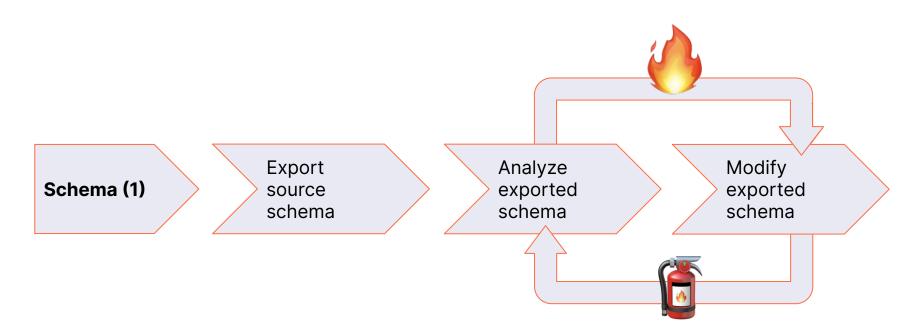
Online migration for Oracle!



Migration Workflow: Prepare

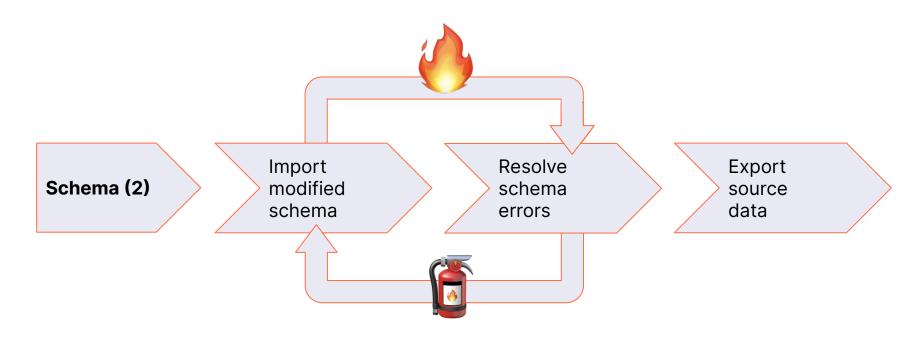
Prepare Install YB-Voyager Prepare MySQL Source Prepare YugabyteDB target

Migration Workflow: Schema (1)



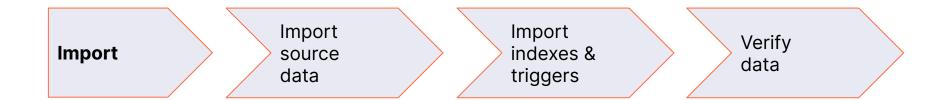


Migration Workflow: Schema (2)





Migration Workflow: Import data





Migration challenges

MySQL

- Primary Key
 - Auto Increment

- Tinyint / Smallint / Int as Boolean
- Geography and GIST
- group_concat()

YugabyteDB

- Primary key
 - Partition and Clustering keys
 - Serial and Sequence
- Boolean
- No support for GIST, low-level support for geometry
- Options
 - o string_agg()
 - array_to_string(array_agg(), ',')

