







Let it SNOW for Trino

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https://github.com/trinodb/trino/pull/17909







Bloomberg

















Introductions



Why ForePaaS needed **Snowflake Connector**



02 **Introduce Snowflake**



Features of the connector











Who we are?







- I am Teng YU, a Full-Stack Developer at ForePaaS
 - https://www.linkedin.com/in/tyu-fr/



- ForePaaS is a modern data platform for creating, deploying and scaling analytics & AI projects on the cloud
 - 2014: ForePaaS is founded in Paris, France
 - 2018: ForePaaS expands in the United States with a 1st SF office
 - 2022: ForePaaS is acquired by OVHcloud, the leading European cloud provider





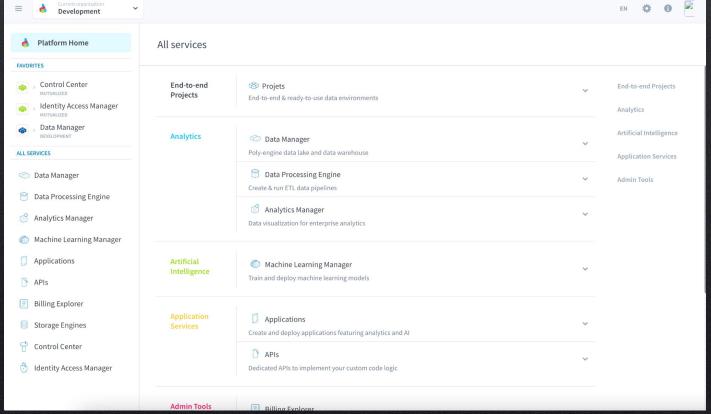


















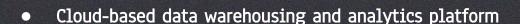






Introduce Snowflake

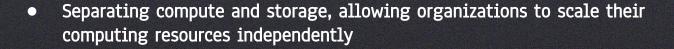






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• Scalability, flexibility and performance













Select a storage engine to start with

The storage engine is the technology powering your data lake & data warehouse. You can always use others later on.









Use PostgreSQL

Dedicated storage engine running on PostgreSQL. You can specify the location and resources to allocate.





Dedicated storage engine running on Snowflake. You can specify the location and resources to allocate.



NEW STORAGE ENGINE



CONNECT AN ACCOUNT Coming soon!

Sandbox

This is a basic testing environment. Not recommended for a productionready Dataplant.



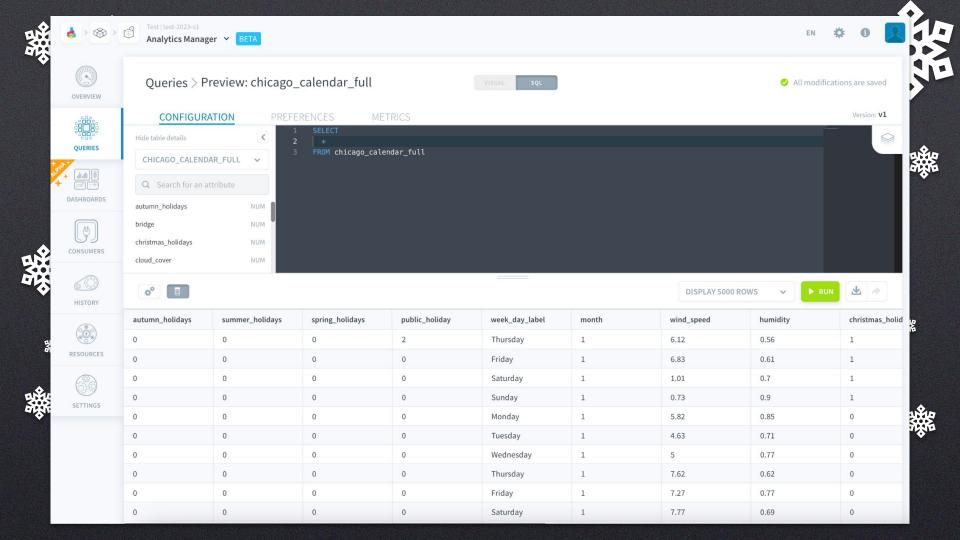
Use your organization's default configuration

This is your default storage engine configuration. You can customize it in your organization's settings.













Connector Features



A full feature trino connector



• Bridge between Trino and Snowflake



• Leveraging the power of Trino's distributed query engine and the scalability, flexibility, and security features of Snowflake.



Using Snowflake's optimized architecture and distributed computing capabilities, ensuring high performance and scalability for processing large datasets.



• Thanks for Trino community



















Second part highlights

01 **Introduce self and Bloomberg**

Bloomberg's need for 02 **Snowflake**

03 Demo time!









- Erik Anderson, Software Engineer. Bloomberg Enterprise Data/API's, Services, and of course Trino ecosystem!
- https://linkedin.com/in/erikanderson
 - Please mention this TrinoFest talk in your request or
- Software Engineer for over 30 years (aka a Senile Engineer)
- Been working in open source for 20+ years and Trino open source for ~3
 years
- Standard Financial Services Disclaimer: My MANY opinions are my own

https://www.bloomberg.com/company/values/tech-at-bloomberg/open-source/

"We believe open source software is a key driver of innovation not only within our business, but across the global tech industry. Over the last two decades, Bloomberg has undergone a journey and cultural shift in becoming an 'open source first' company. Today, our engineers are actively engaged in the open source ecosystem as both users and contributors. Hundreds of global employees, from senior leadership down, are encouraged to get involved in our open source efforts, with Bloomberg's Open Source Program Office (OSPO) within the Office of the CTO spearheading our efforts to produce, publish and support open source software."



















Bloomberg's need for *

- Its open source!
- I dont discuss Bloomberg business use cases but to make up for that I will show an interactive demo of how to use the Snowflake connector to solve an interesting business data analytics challenge
- I will use that connector to publish the new derived content to Snowflake cloud services













Demo time!

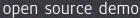
- https://github.com/bloomberg/trino/tree/trinofest_june_2023
- TrinoFest Let it Snow SQL's
 - All SQL for this demo is in this gist link
 - https://gist.github.com/dprophet/62fa4b569ee253adb125da25c1979be6



Demo:

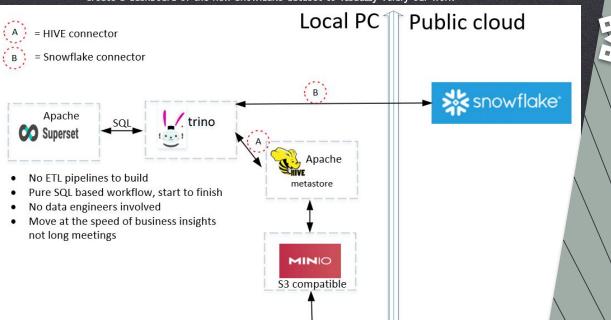








- Local PC
 - Download data set https://www.kaggle.com/datasets/varpit94/uber-stock-data?resource=download
 - Load the data into MinIO+Apache HIVE Metastore
 - Using Apache Superset we will create new derived dataset known as trading envelopes for stock trading triggers. All SQL driven workflow. No long meetings, no data engineers involved.
- Public Cloud
 - o Publish that new dataset from PC to Snowflake cloud using pure SQL
 - Create a dashboard of the new Snowflake dataset to visually verify our work



UBER.csv



















Does anyone have any questions?

