

Trino/Starburst Training: Creating & querying data lake tables

Starburst Academy
v1.0.0



**Session
1 of 5**



Connection Before Content

Lester Martin - <https://about.me/lestermartin>

- Educational Engineer @ Starburst
 - Build the content
 - Teach the class
 - Repeat
- 30 years of technology experience
 - Started my journey on a TRS-80 Model III
 - Played most every role, but consider myself a programmer at my core
 - Half of career in transactional systems and the second half in analytical processing
 - A DECADE of “big data” experience to include
 - Trino/Starburst, Hadoop, Hive, Spark
 - NiFi, Kafka, Storm, Flink
 - HBase, MongoDB

Session #1 objectives

- Leverage Starburst Galaxy to create a catalog and schema aligned to an AWS S3 object store.
- Construct external tables to existing datasets.
- Utilize optimized columnar file formats to create new tables.
- Design partitioned tables to improve performance.
- Federate data lake queries to join with traditional data sources.

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SO... we'd better get moving!!

POIs

- The lab guide has it ALL!
- The S3 credentials will expire after the weekend
- A NEW SESSION EVERY 2 WEEKS
 - February 14th – *Modern table formats & Apache Iceberg (makes a great Valentine's gift!!)*
 - February 28th – *Materialized views & data pipelines*
 - March 13th – *Experience Warp Speed in action*
 - March 27th – *Transformation processing with PyStarburst*

Today's approach

- I'm going to wait 5-10 mins to let folks get started...
- Then **I'll start at lab #2 for anyone who just wants to watch...**
- We ALL come from DIFFERENT experiences & backgrounds, so...
- **ASK QUESTIONS**
 - **FILL UP THE CHAT!**
 - **KNOWN THAT I'LL STOP DOING THE EXERCISES TO ADDRESS QUESTIONS!!**

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HANDS-ON LABS!!

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