

Trino/Starburst Training: Apache Iceberg table format

Starburst Academy v1.0.0





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 #2 objectives

- Move beyond Hive to understand the benefits of modern table formats such as Apache Iceberg.
- Run ACID compliant transactions to modify your data and understand how this creates new table versions.
- Explore time-travel queries and table rollbacks.
- Modifying the partitioning strategy without rebuilding your table.



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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
 - January 31st Creating & querying data lake tables
 - February 14th Modern table formats & Apache Iceberg (Happy Valentine's Day!!)
 - February 28th Materialized views & data pipelines
 - March 13th Experience Warp Speed in action
 - March 27th Transformation processing with PyStarburst
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Session 1 recording available



Today's approach

- I'm going to perform the labs myself & you can...
 - do them along with me
 - o or just watch (and maybe do later)
- We ALL come from DIFFERENT experiences & backgrounds, so...
 - ASK QUESTIONS
 - FILL UP THE CHAT!
 - I'LL STOP DOING THE EXERCISES TO ADDRESS QUESTIONS!!

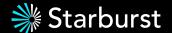


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HANDS-ON LABS!!

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