

AWS re:Invent

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Build your data lakehouse with Starburst Galaxy

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Data lake analytics



“The main challenge with a data lake architecture is that raw data is stored with no oversight of the contents.”

AWS, “What is a data lake?,” go.aws/3NtKLwz

Are you getting the best possible insights out of your data lake?

Data lakehouse analytics



Object storage

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Scalable query engine

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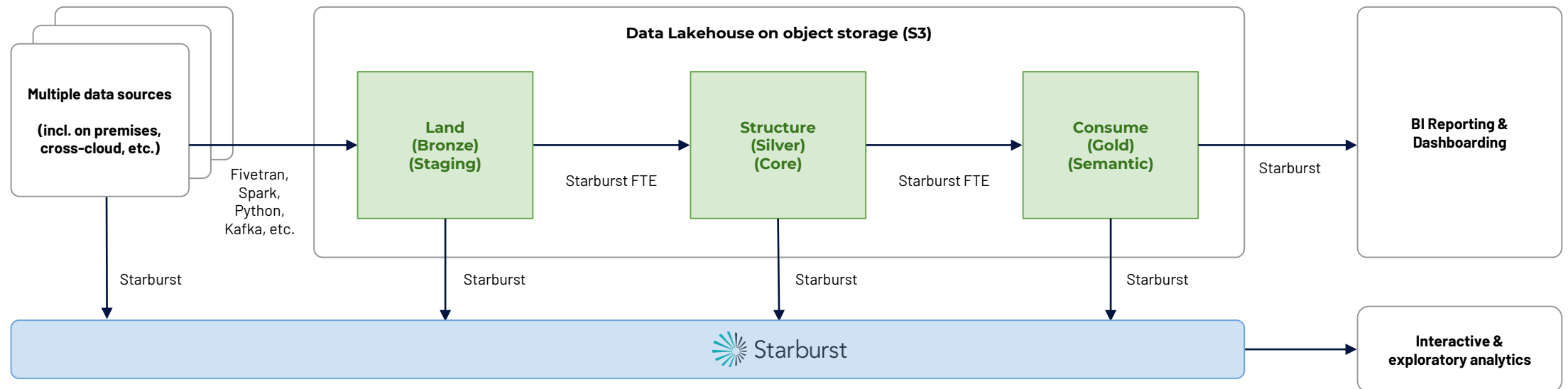


Lakehouse analytics

Why a Starburst lakehouse?

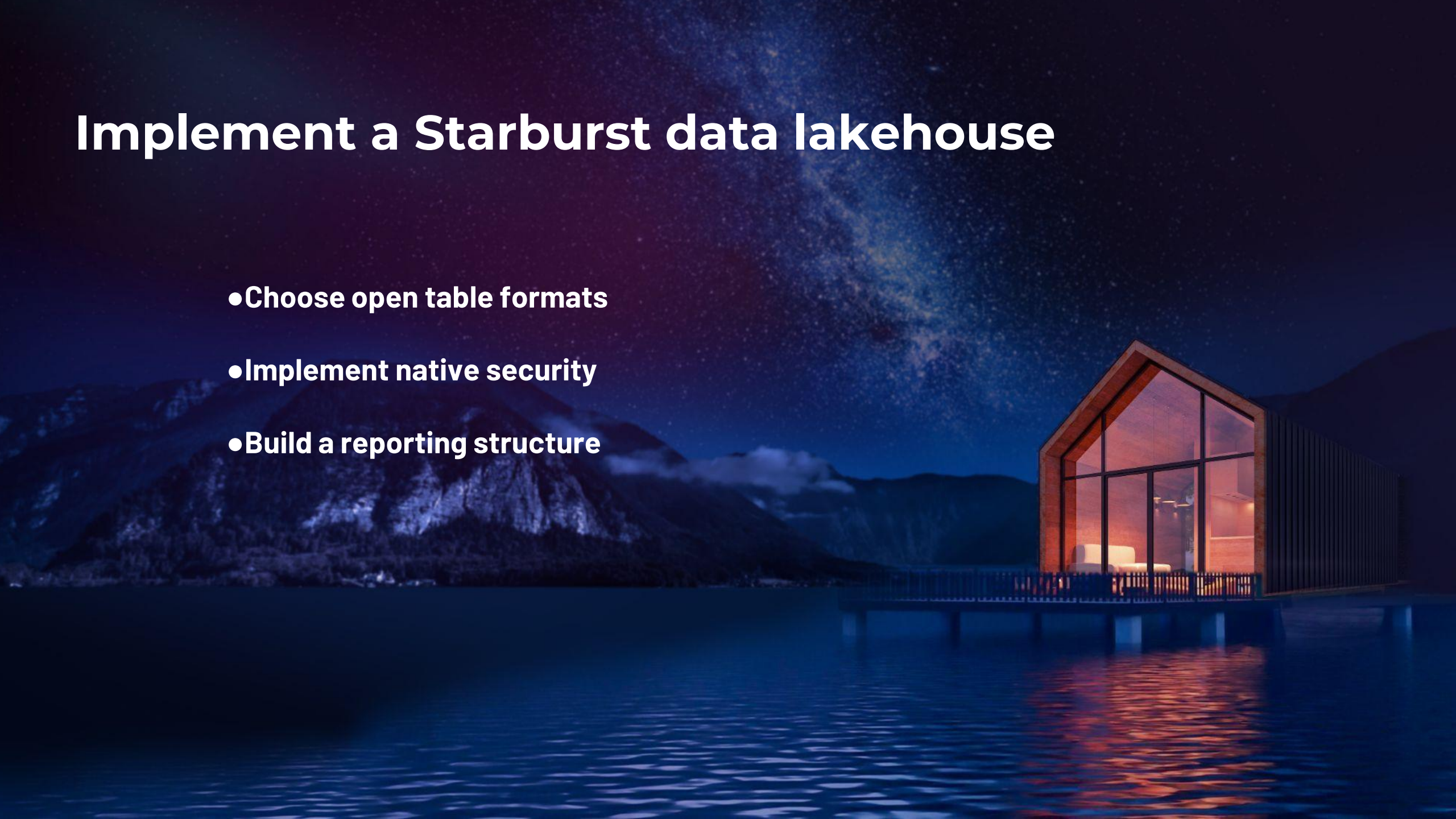
Combine inexpensive data lake storage with a highly performant/scalable query engine

- Flexibility to handle a both interactive and long-running queries
- Power your architecture with no vendor lock-in and support for open file formats such as Apache Iceberg, Delta Lake, Apache Hudi
- Integrates seamlessly with AWS products and services (Amazon S3, AWS Lake Formation, AWS Graviton, and more)



Implement a Starburst data lakehouse

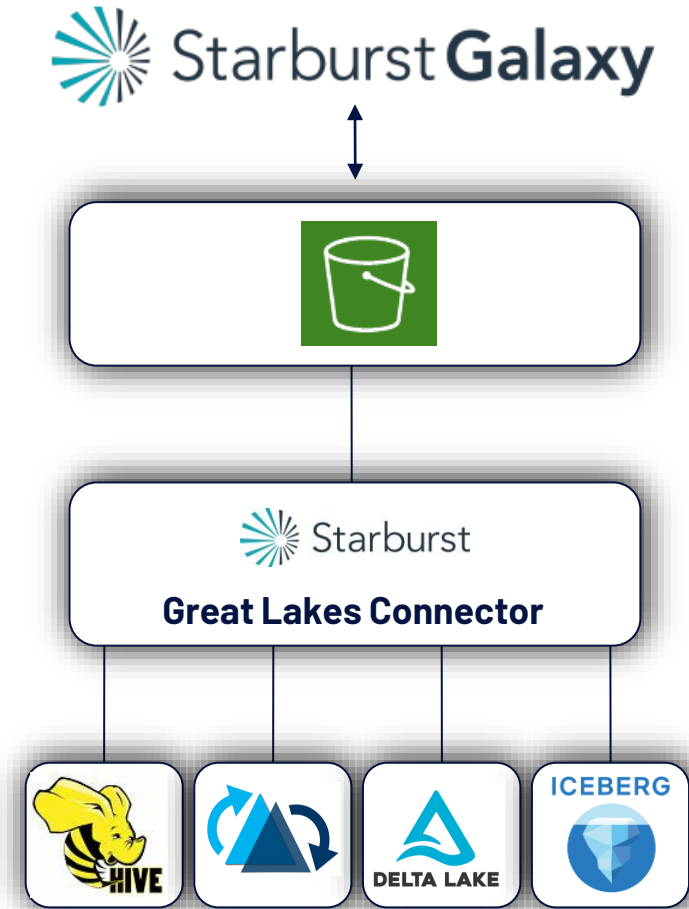
- Choose open table formats
- Implement native security
- Build a reporting structure



Choose open table formats

Deliver data warehouse-like functionality to the data lake

- Enable transactional functionality like UPDATE, DELETE, MERGE in the data lake
- Achieve incredibly fast performance, including benefits over traditional formats such as ORC and Parquet
- Use the Great Lakes Connector to query multiple table formats by providing unified connectivity

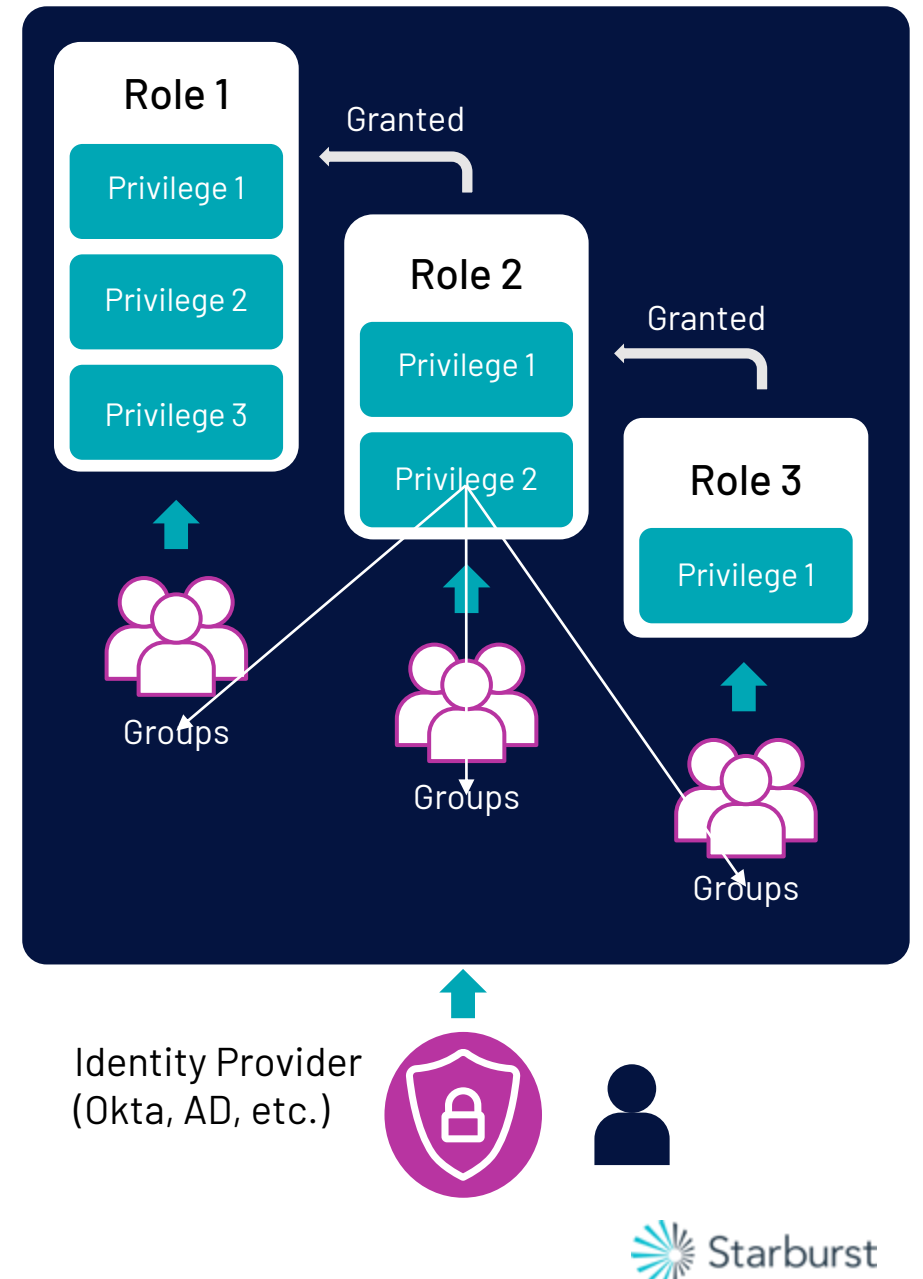


Query open table formats like **Iceberg**, **Delta Lake**, and **Hudi**

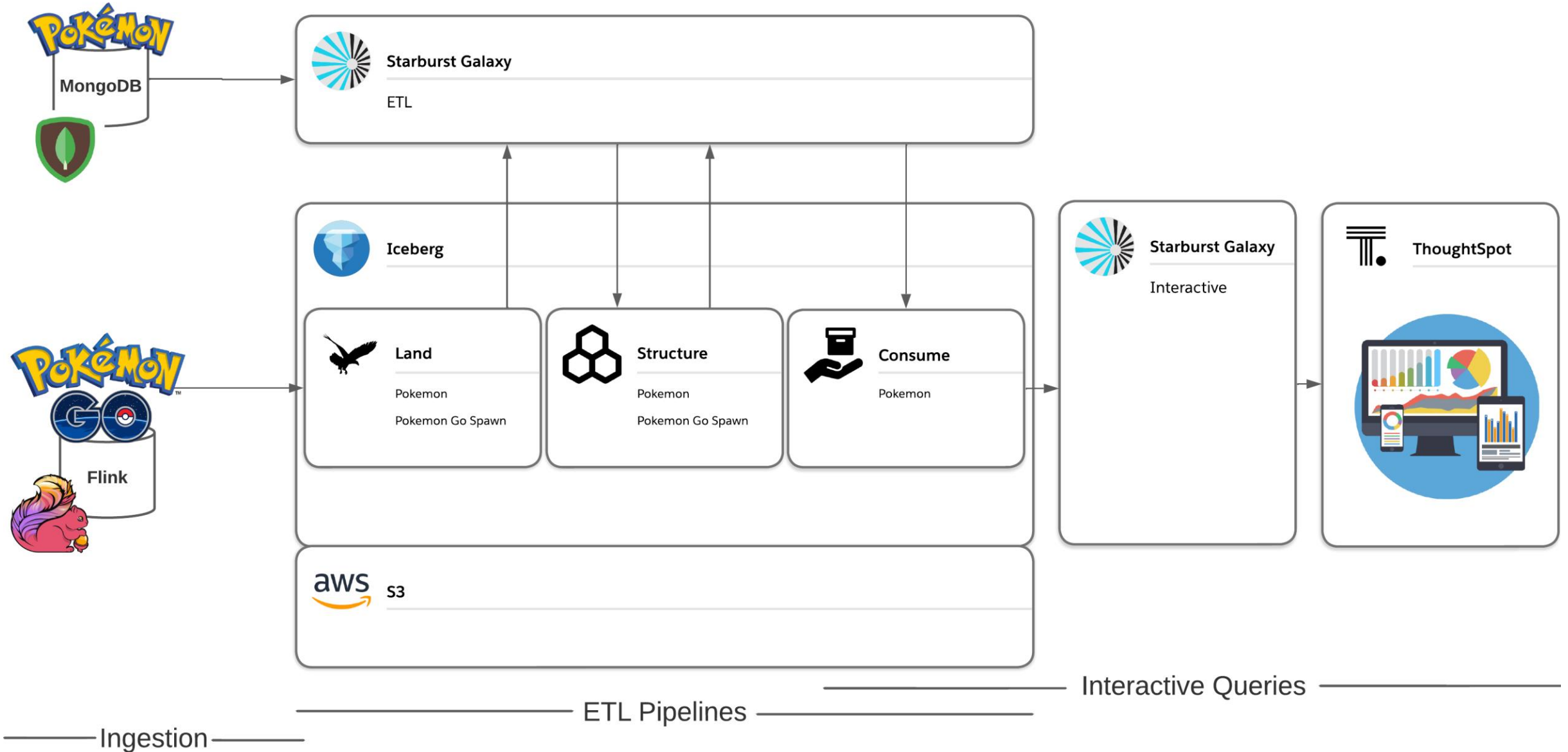
Implement native security

Enable secure access within your data architecture

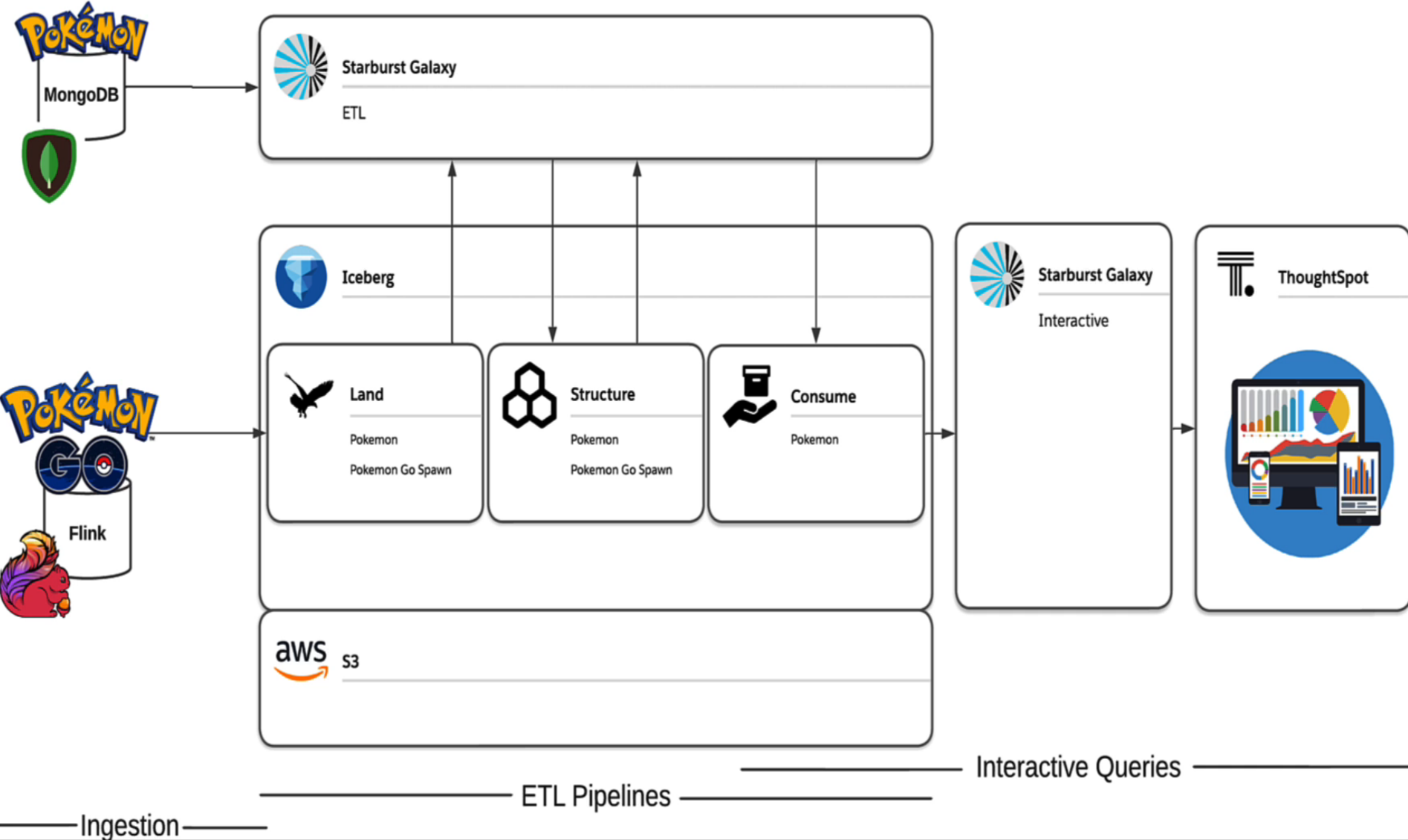
- Full support of different authentication providers such as OKTA, Azure AD, and Google Workspace
- Customize access for multiple roles, allowing you to assign read and/or write access to different groups and users
- Built in role-based access control ensures proper access down to the table level or storage location



Build a reporting structure




Pokemon Data Lakehouse Architecture



Thank you!

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