Loading Data from Snowflake Marketplace

INTRODUCTION TO SNOWFLAKE



Daniel HongSenior Data Engineer



Let's practice!



Loading Data from a cloud provider

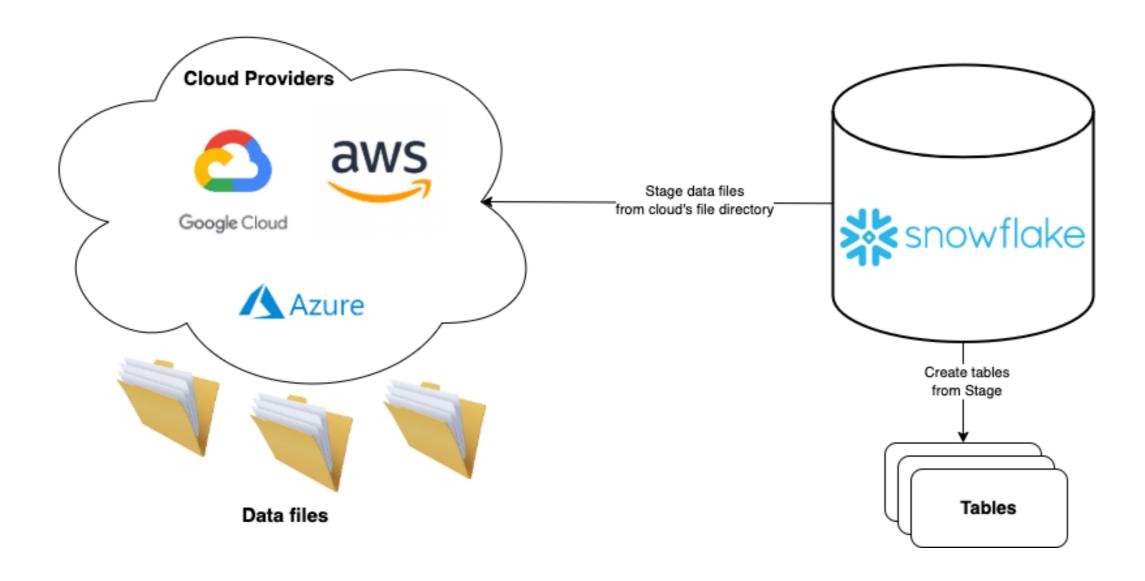
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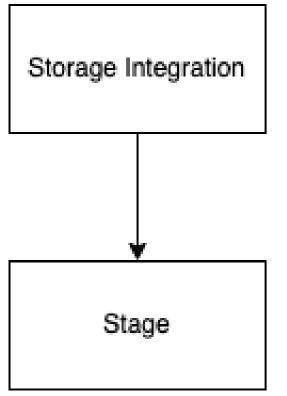
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High Level Workflow



Setting up stage permissions



Reference cloud credentials and storage provider (AWS, GCP, Azure)

Reference storage integration and file directory

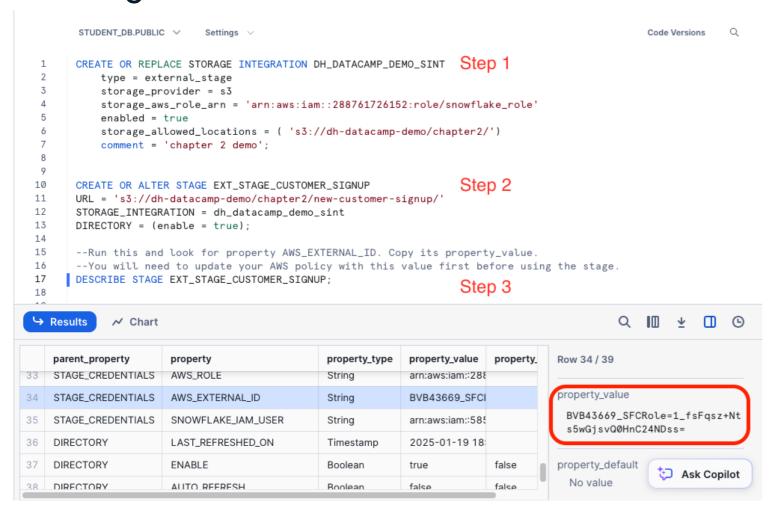
AWS file directory

s3://dh-datacamp-demo/chapter2/new-customer-signup/

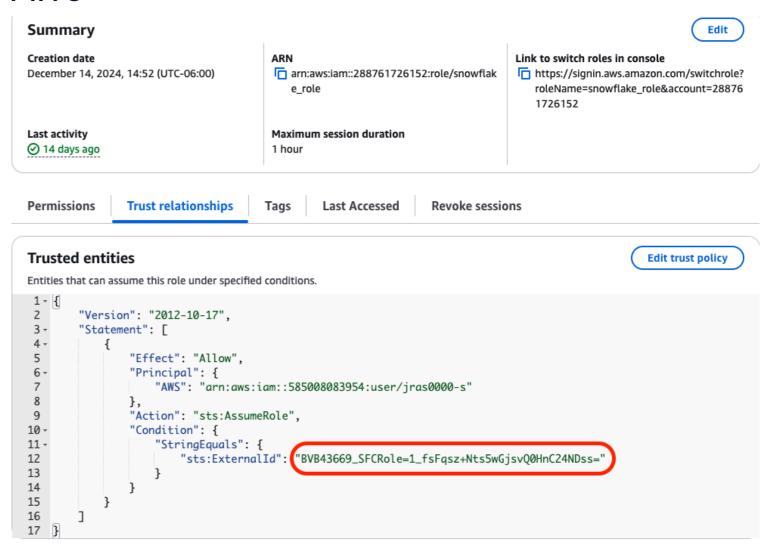


Creating an external stage

Snowsight

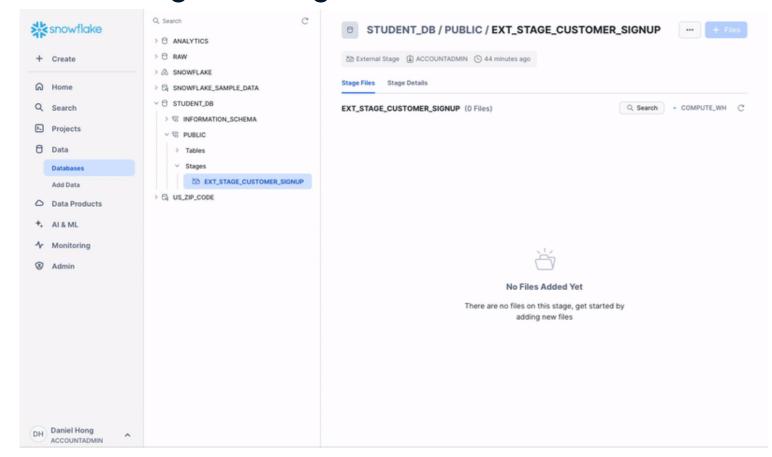


AWS

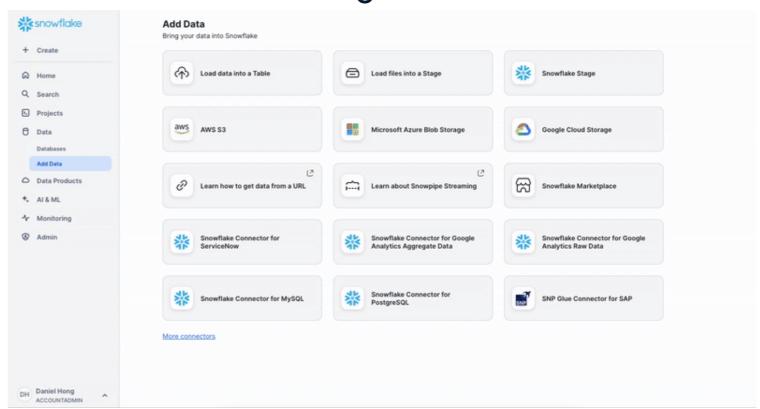


Refresh and use external stage

Refreshing the stage



Create table from stage



Let's practice!



Creating new roles, users, and warehouses

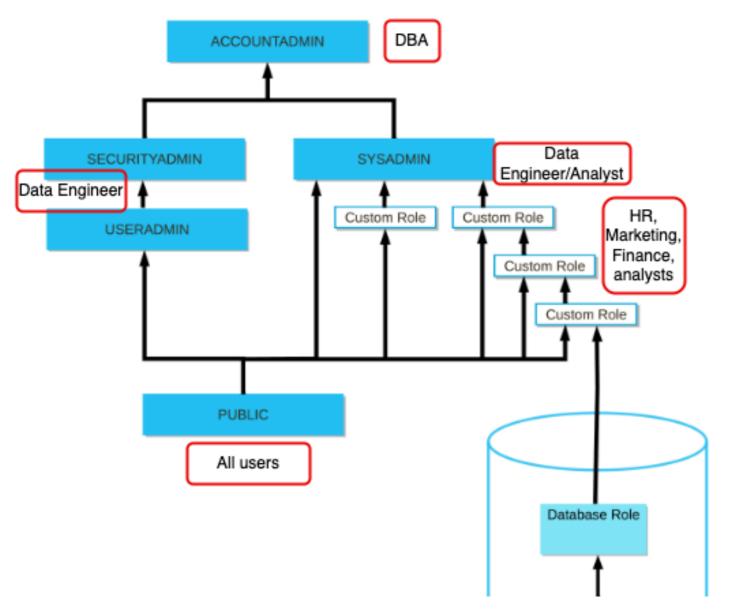
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Snowflake Roles Explained

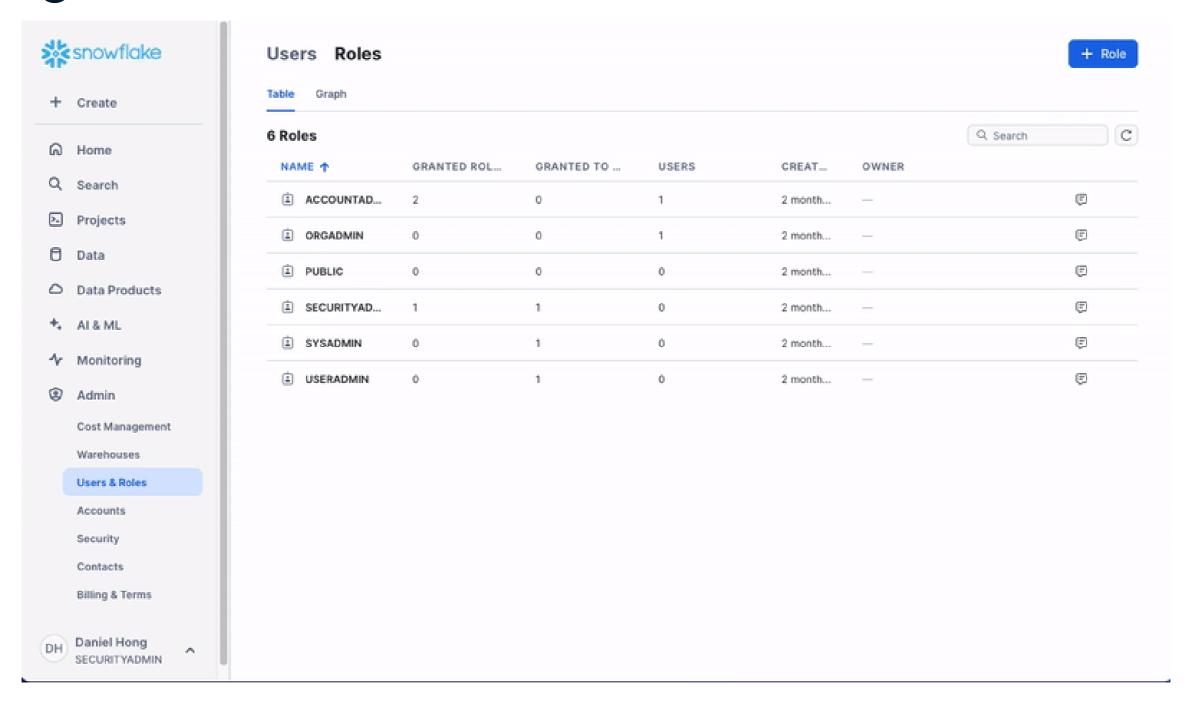


- ACCOUNTADMIN manages account-level tasks like billing
- SECURITYADMIN manages all objects in the account
- USERADMIN manages access to roles and users it owns
- SYSADMIN manages any objects it owns
- PUBLIC can access and manage objects granted to its role

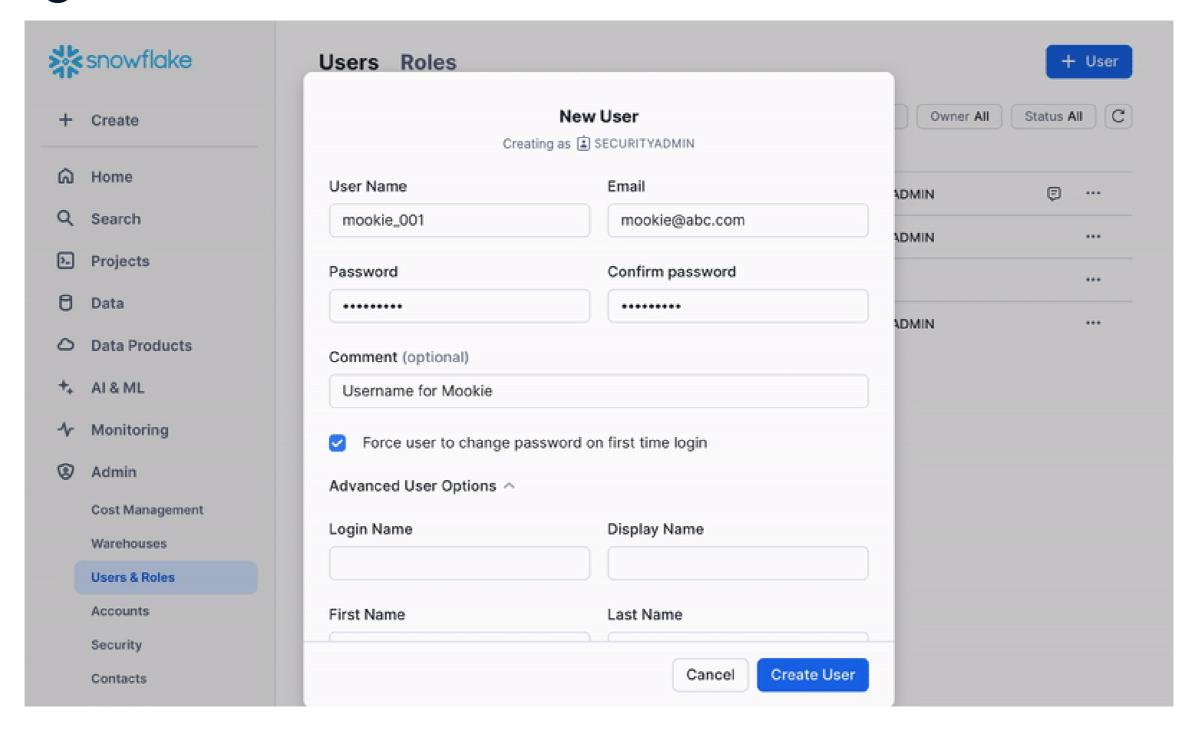
¹ https://docs.snowflake.com/en/user-guide/security-access-control-overview#role-hierarchy-and-privilege-inheritance



Creating a new role



Creating a new user





Why create a new virtual warehouse?

When do we want to do this?

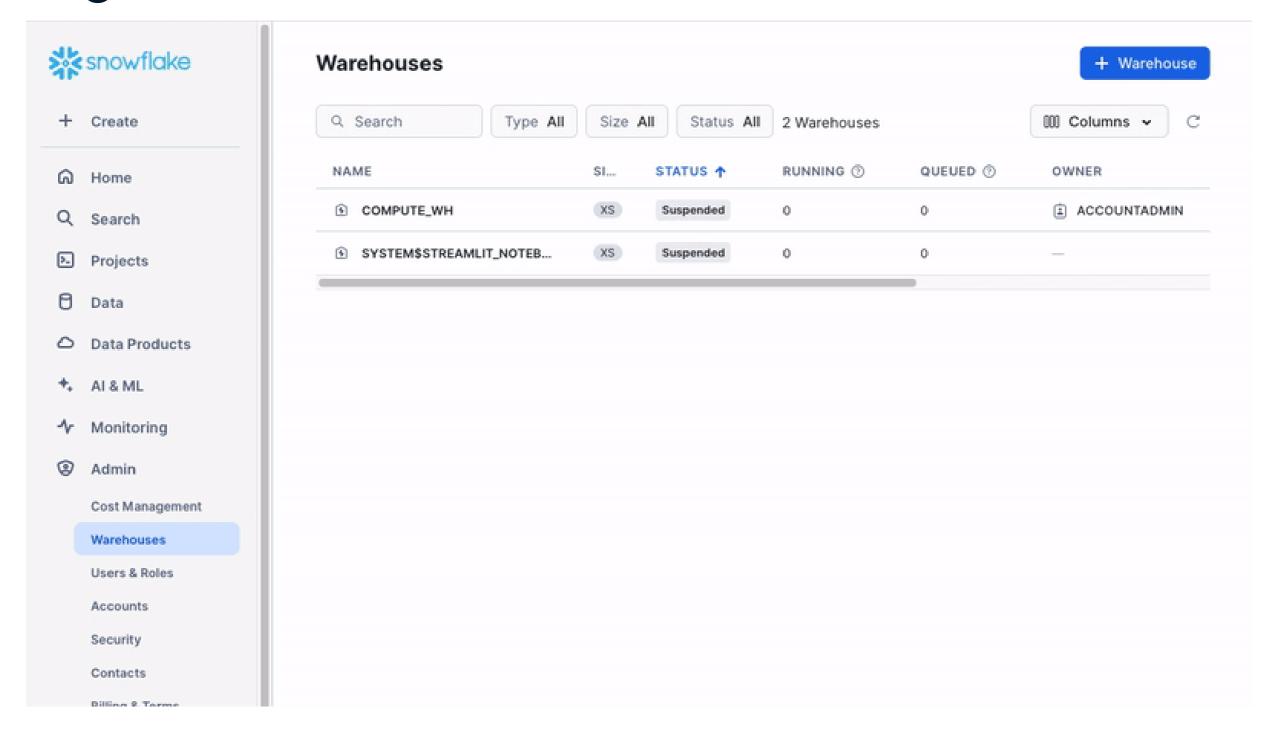
- Role-based warehouse access
 - Example: Engineers and Analysts
- Slow query execution
 - Example: Analysis query taking 10+ minutes long

Warehouse Size	Credits / Hour
X-Small	1
Small	2
Medium	4
Large	8
X-Large	16
2X-Large	32
3X-Large	64
4X-Large	128
5X-Large	256

¹ https://docs.snowflake.com/en/user-guide/warehouses-overview#warehouse-size



Creating a new virtual warehouse





Let's practice!



Course Wrap-Up

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Recap

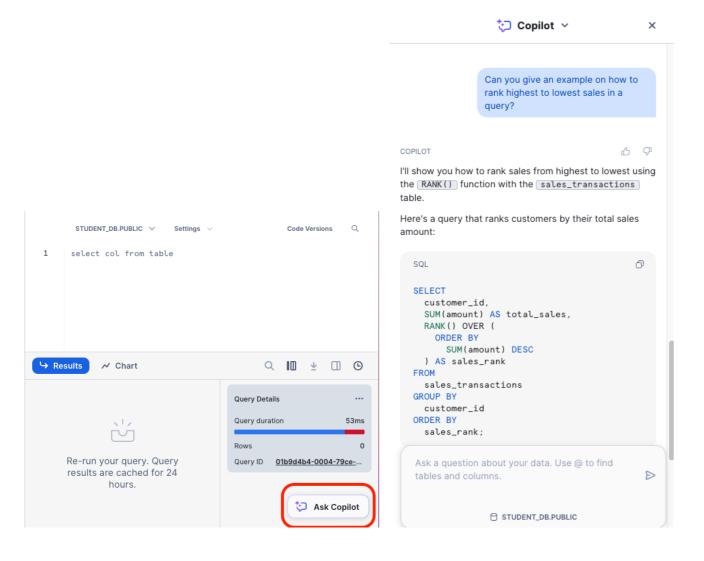


Key Learnings

- Find, query, and load data
- Manage access
- Monitor activities

Suggestions on what to explore next

Ask CoPilot in SQL Worksheet



- Learn more about Snowflake SQL:
- DataCamp's Introduction to Snowflake SQL course

COURSE

Introduction to Snowflake SQL

Intermediate

This course will take you from Snowflake's foundational architecture to mastering advanced SnowSQL techniques.



• https://docs.snowflake.com/en/reference

Thank you for completing the course!

Check out DataCamp's Snowflake

Foundations skill track

SKILL TRACK

Snowflake Foundations

Get hands-on with Snowflake! Learn to query, model, and manage data in this interactive intro for data engineers, analysts, and BI professionals.

Q Certification available



4 Courses and Projects

View Details

DataCamp partners with Snowflake:

- 120-day free trial
- including \$400 worth of free usage



Thank you for completing the course!

