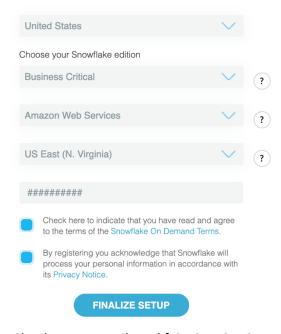
Snowflake Hands-On Workshop Real-time Analytics with External Data September 10, 2019

1. Sign up for free Snowflake trial - https://trial.snowflake.com/

Receive \$400 of credits to try all Snowflake features First Name Last Name Email Company CREATE ACCOUNT

Let's get your account set up.



2. Check your e-mail, and [CLICK TO ACTIVATE].

Hi Jason,

Congratulations on taking the first step to become a data-driven organization by signing up for Snowflake. Click the button below to activate your account.

CLICK TO ACTIVATE

Please note, your activation link is temporary and will expire in 72 hours. Once you activate your account, you can access it at https://CZ78988.us-east-1.snowflakecomputing.com.

Be sure to bookmark your login link to easily access your account going forward. If you experience any problems logging into your account or you forgot your username or password, please contact support@snowflake.com.

Best regards,

The Snowflake team

3. Create the admin User ID.

Welcome to Snowflake, Jason Shull!

Please choose your user name and password to get started.

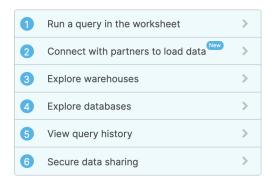
User Name	
admin	
Password	
•••••	
Confirm Password	
•••••	
(Get Started

4. Minimize the Welcome to Snowflake message.

Welcome to Snowflake

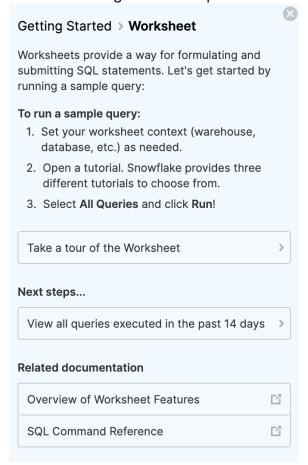
Getting to know Snowflake

Explore the following topics to navigate through and learn about high-level Snowflake concepts.

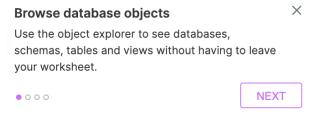


Explore more topics in **Snowflake Documentation**

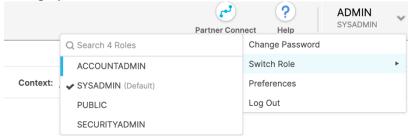
5. Close the Getting Started side panel.



6. Close Browse the database objects panel.



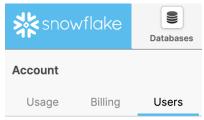
7. Change your Context to ACCOUNTADMIN.



8. Click on the Account button in the top middle of the Web UI.



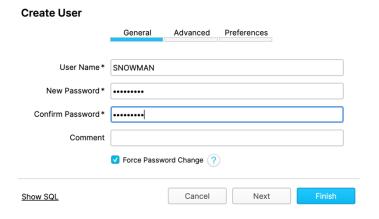
9. Click on the Users tab.



10. Click on the Create button.



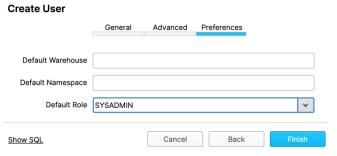
11. Fill in the required General fields to create a new user named SNOWMAN, and click on the Next button.



12. The Advanced information is not required, but you may fill it out of you would like to. Then click on the Next button.

General Advanced	l Preferences
SNOWMAN	
SNOWMAN	
Frosty	
Snowman	
frosty@snowflake.com	
Cancel Back	Next Finish
	SNOWMAN SNOWMAN Frosty Snowman frosty@snowflake.com

13. Change the Default Role to SYSADMIN under Preferences, and click on the Next button.



14. Open a new tab within the Worksheets for the Web UI by clicking on the +.



15. Enter the following SQL command, click on the Run button, and verify that the statement completed successfully.

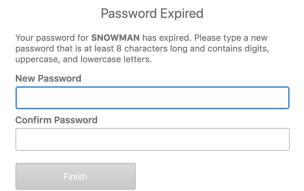
```
grant role accountadmin to user snowman;
```

- 16. Launch a new tab in your browser, and connect to your Trial Snowflake URL.
- 17. Login with the User you created above.

Log in to Snowflake



18. If you did not uncheck the Force Password Change check box on the General tab, change the password for your new user, and click on the Finish button.

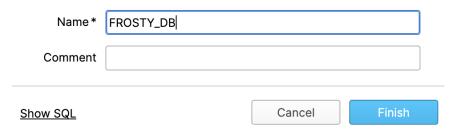


- 19. Close / Minimize the informational messages as you did before starting in Step 4 above.
- 20. Click on the Databases tab.

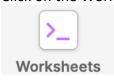


21. Click on the Create button, type in a name for your Database, and click on the Finish button.

Create Database



22. Click on the Worksheets button.



23. Type in the following commands in the SQL Worksheet.

--Set up

USE ROLE ACCOUNTADMIN; --Highest level access for this URL

DROP DATABASE IF EXISTS DEMO_WEATHERSOURCE; --Clean up

DROP SHARE IF EXISTS "WEATHER_2016"; --Clean up

DROP MANAGED ACCOUNT IF EXISTS "OLAF"; --Clean up

USE ROLE SYSADMIN; --Change to lower privileged DBA role

CREATE OR REPLACE DATABASE FROSTY_DB; --Create Database

CREATE OR REPLACE WAREHOUSE WINTER_WH WITH WAREHOUSE_SIZE =

'MEDIUM' WAREHOUSE_TYPE = 'STANDARD'

AUTO_SUSPEND = 600 AUTO_RESUME = TRUE MIN_CLUSTER_COUNT = 1

MAX_CLUSTER_COUNT = 2 SCALING_POLICY = 'STANDARD'; --Create

virtual compute warehouse

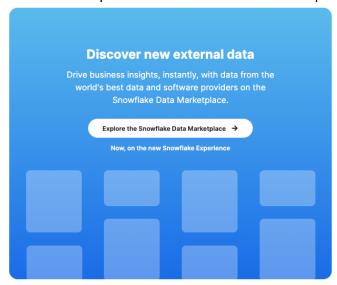
- 24. Check the All Queries box.
 - All Queries
- 25. Click on the Run button.



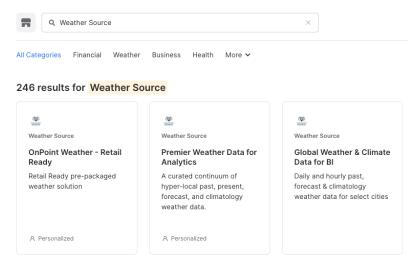
26. Go out to the Data Marketplace by clicking on the button shown below.



27. Click on the Explore the Snowflake Data Marketplace -> button.



28. Search for Weather Source.



- 29. Select Weather Source Global Weather & Climate Data for BI.
- 30. Click on the Get Data button.



- 31. Get the data and name the Database DEMO_WEATHERSOURCE.
- 32. Leave the default permissions for SYSADMIN.
- 33. Be sure to click the "I accept..." check box.
- 34. Click on the Create Database button.
- 35. Go back to the Browser tab where the snowman user is logged in.
- 36. Be sure that you are still on the Worksheets tab within the Snowflake Web UI.
- 37. Paste the following SQL at the end of the worksheet where you were working before.

```
/* How many Deliveries will be delayed due to snowfall?
When it snows in excess of 6 inches per day, my company
experiences delivery delays.
How many deliveries may have been delayed? */
SELECT
         COUNTRY,
         POSTAL CODE,
         DATE VALID STD,
         TOT SNOWFALL IN
FROM
         DEMO WEATHERSOURCE.STANDARD TILE.HISTORY DAY
         COUNTRY='US'
WHERE
AND
         TOT SNOWFALL IN > 6.0
ORDER BY POSTAL CODE, DATE VALID STD
LIMIT 10;
```

38. Click on the Run button with All Queries unchecked. Your cursor will need to be placed somewhere within the code that you pasted from above.



39. Paste the following SQL at the end of the worksheet where you were working before.

```
-- Create a table for snowfall greater than 6 inches.

CREATE OR REPLACE TABLE FROSTY_DB.PUBLIC.HISTORY_DAY as

SELECT COUNTRY,

POSTAL_CODE,

DATE_VALID_STD,

TOT_SNOWFALL_IN

FROM DEMO_WEATHERSOURCE.STANDARD_TILE.HISTORY_DAY
WHERE COUNTRY='US'

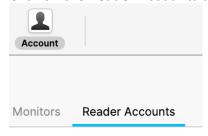
AND TOT_SNOWFALL_IN > 6.0

ORDER BY POSTAL CODE, DATE VALID STD;
```

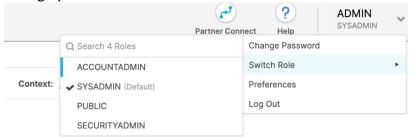
40. Click on the Run button with All Queries unchecked. Your cursor will need to be placed somewhere within the code that you pasted from above.



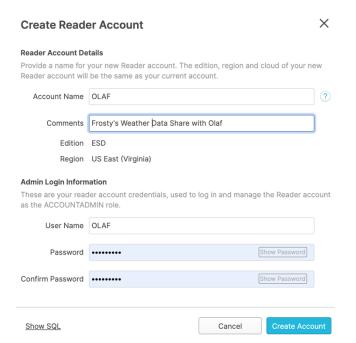
- 41. Go back to the Browser tab where the admin user is logged in.
- 42. Click on the Reader Accounts tab.



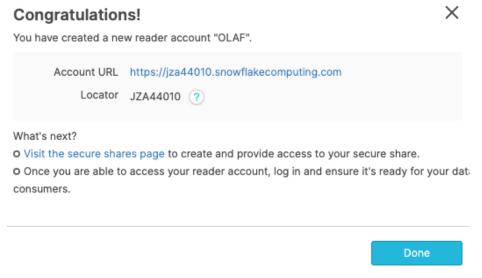
- 43. Click on the Create Reader Account button.
 - + Create Reader Account
- 44. Change your Context to ACCOUNTADMIN.



45. Fill out the Reader Account information as shown below and click on the Create Account button.



46. Wait for the shared URL to be created. Click on the URL created in the following window (Note – all URLs are unique and will not match the example below). This step may take approximately 20 minutes for the URL to be registered.



47. Log in with your newly created OLAF reader user. If you get a 403 forbidden error, you need to wait a little longer until the URL is registered.



Sign in to Snowflake



48. Once logged in, click on the I'm A Data Consumer button.

Minimize 7

Welcome to your reader account

Reader accounts allow you to prepare secure shares and explore shared data sets. To get started, tell us who you are:



I'm a Data Consumer

Dismiss

49. Go back to the Admin user tab in your web browser, and click on the Done button.

You have created a new reader account "OLAF". Account URL https://jza44010.snowflakecomputing.com Locator JZA44010 ? What's next? O Visit the secure shares page to create and provide access to your secure share. O Once you are able to access your reader account, log in and ensure it's ready for your data consumers.

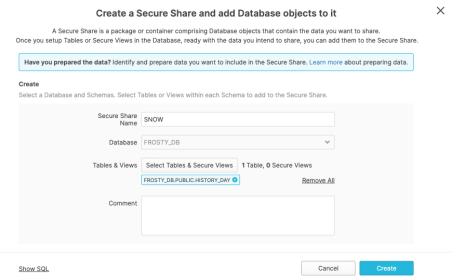
50. Click on the Shares button.



51. Click on the Outbound button.



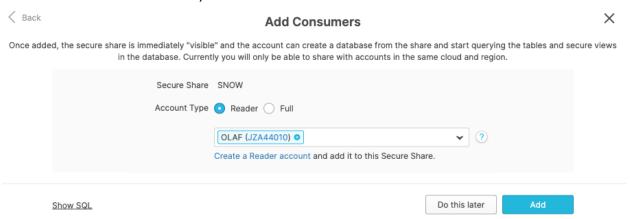
- 52. Click on the Create button.
 - (+) Create
- 53. Fill in the Secure Share info as shown below and click on the Create button.



54. Click on the Next: Add Consumers button.



55. Select the Olaf reader account, and click on the Add button.



56. Click on the Done button.

1 Account Added Successfully

The following account now has access to your secure share "SNOW"

Reminder: Login (as ACCOUNTADMIN) and create a database from the Share so that your data consumers can access the shared data.

OLAF (https://jza44010.snowflakecomputing.com)

Done

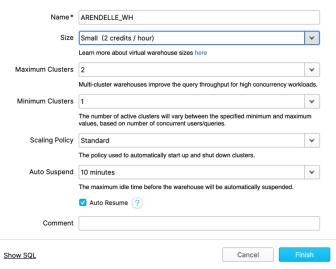
X

- 57. Go back over to the Olaf tab in your browser.
- 58. Click on Warehouses button.

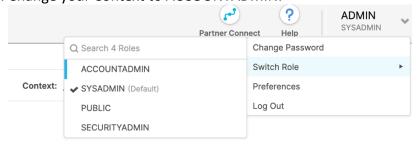


- 59. Click on the Create Warehouse button.
 - (+) Create...
- 60. Fill out the Warehouse information as shown below, and click on the Finish button.

 Create Warehouse



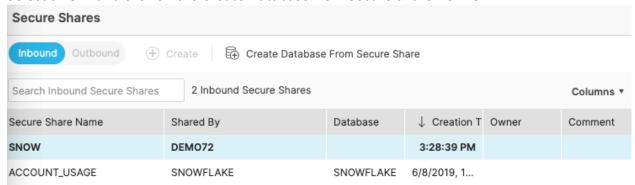
61. Change your Context to ACCOUNTADMIN.



62. Click on the Shares button.



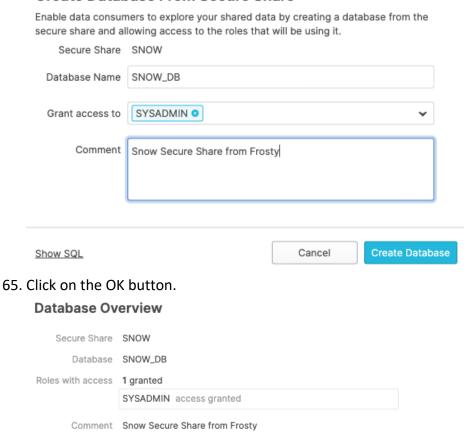
63. Select SNOW and click on the Create Database from Secure Share BUTTON.



64. Fill out the share information as shown below and click on the Create Database button.

Edit Database

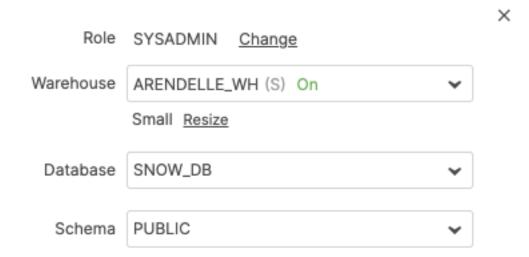
Create Database From Secure Share



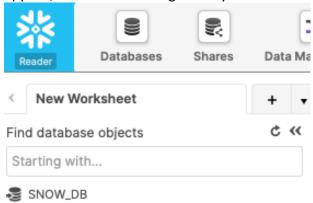
66. Click on the Worksheets button.



67. Select a warehouse, database, and schema in the worksheet context drop-down.



68. Click on the refresh button next to Find database objects, and your new database will appear, if it is not showing already.



69. Click on the shared SNOW_DB to expand the objects under the PUBLIC schema to preview the data.

