



# **Vulnerability Assessment Walk-through example**



This is an example of what you could do for analyzing geographic data in the UK to provide vulnerability insights combined with fuel consumption and weather data.


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- Hex is a best of breed notebook tool.
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## INITIAL SETUP

In snowsight, navigate to the private exchange and get the following:

**Hourly Forecasts and Daily Summaries**  
The Met Office · UK Publically Available Data  
Daily Summaries going back 12 years Hourly Forecasts for the last 3 years, We provide more data but for the purposes of the hack ...  
HOURLY\_FORECASTS\_AND\_DAILY\_SUMMARIES ·  Installed 4 days ago  
Free

**ONS Geographic Data**  
Office for National Statistics · UK Publically Available Data  
The dataset contains the following: -Lower Layer Super Output Areas (2021) Boundaries EW BGC -Middle Layer Super Output...  
Published 1 day ago  
Free

**UK HOUSEHOLDS**  
The Ark · UK Publically Available Data  
The UK Household File provides comprehensive and accurate information on properties and key characteristics on the people...  
UK\_HOUSEHOLDS ·  Installed 1 week ago  
Free

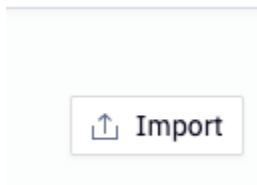
**UK Points and Boundaries as Published by OS**  
Ordnance Survey · UK Publically Available Data  
This Dataset has Geospatial information containing Points and Boundaries within the UK Code Point - Code-Point is a postcode...  
Published 2 weeks ago  
Free

In snowsight, import the sql file which is called [Initial\\_Setup.sql](#).

This will create views of data inside a new snowflake database. The views are located in a Private Exchange.

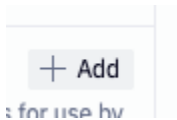
## LOAD THE NOTEBOOK YAML FILE INTO HEX

In the workspace home page press Import



Upload the Yaml file provided. There will be a warning that the project connection cannot be imported. We will need to set this up.

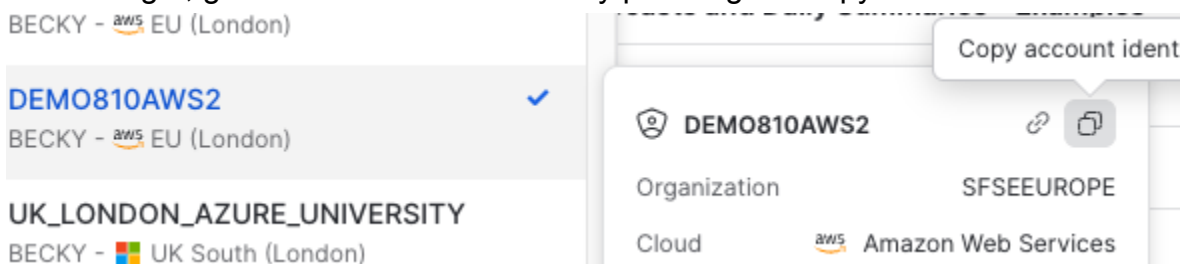
In data connections press add



Add a data connection and select Snowflake

In connection name, call it **Vulnerability Assessment Datasets**

In Snowsight, grab the account identifier by pressing the copy icon



Paste it in the Account Name field in Hex.

IMPORTANT - replace the '.' with a hyphen '-'

**DATABASE**

Account name  Proxy ☐


Warehouse

Database

Schema (Optional)

**AUTHENTICATION**

Populate the rest of the details and Create Connection.

Add a data connection >  Snowflake

**GENERAL**

Name

Description

**DATABASE**

Account name  Proxy ☐

Warehouse

Database

Schema (Optional)

**AUTHENTICATION**


Type

Username

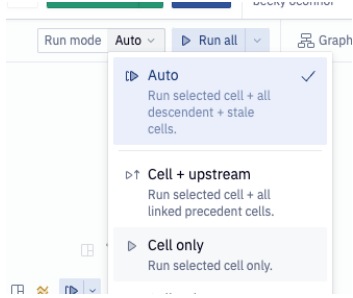
Password

User role (optional)

**INTEGRATIONS**

☐ dbt metadata [Learn more.](#) 

Next step - for learning purposes its best to load one step at a time - in hex, change the 'Run Mode' to Cell Only.



Now continue to follow the instructions in the hex notebook.

GOOD LUCK!