



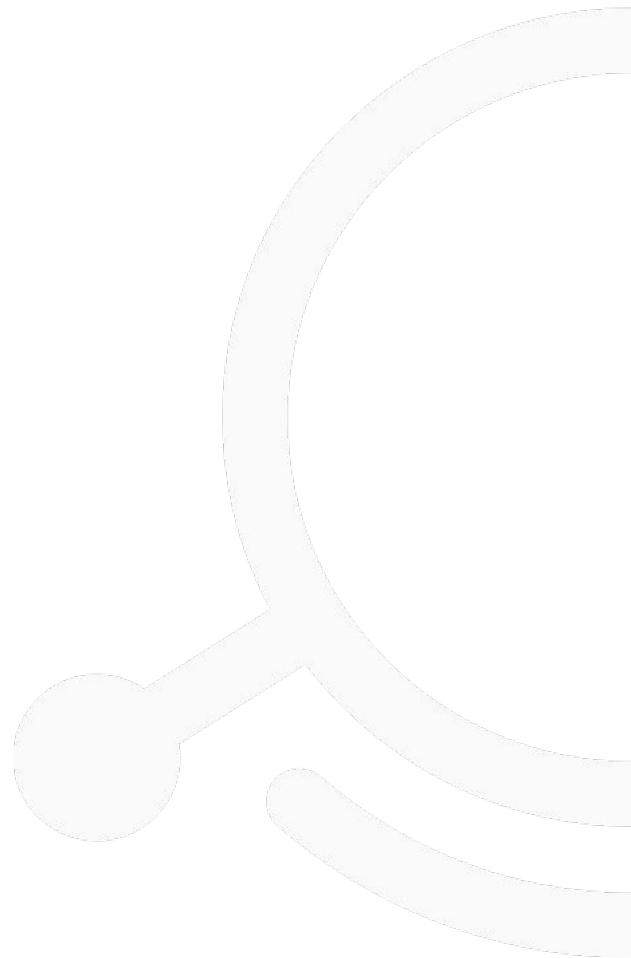
# THESE PETS NEED HOMES!

Data Council - March 28, 2023

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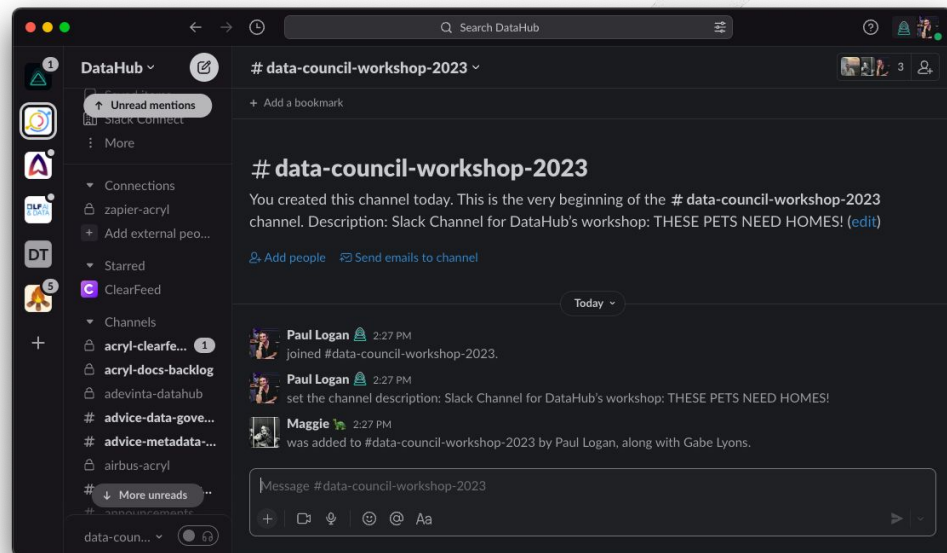
# Agenda

- Welcome!
- Workshop Details:
  - Workshop Slack Channel
  - What is DataHub?
  - Scenario overview
  - Split into teams
- Ingestion
  - Teams ingest data from their platform into DataHub
- The Broken Dashboard
  - Live troubleshooting a problem in our data pipeline.
- Q&A and Closing



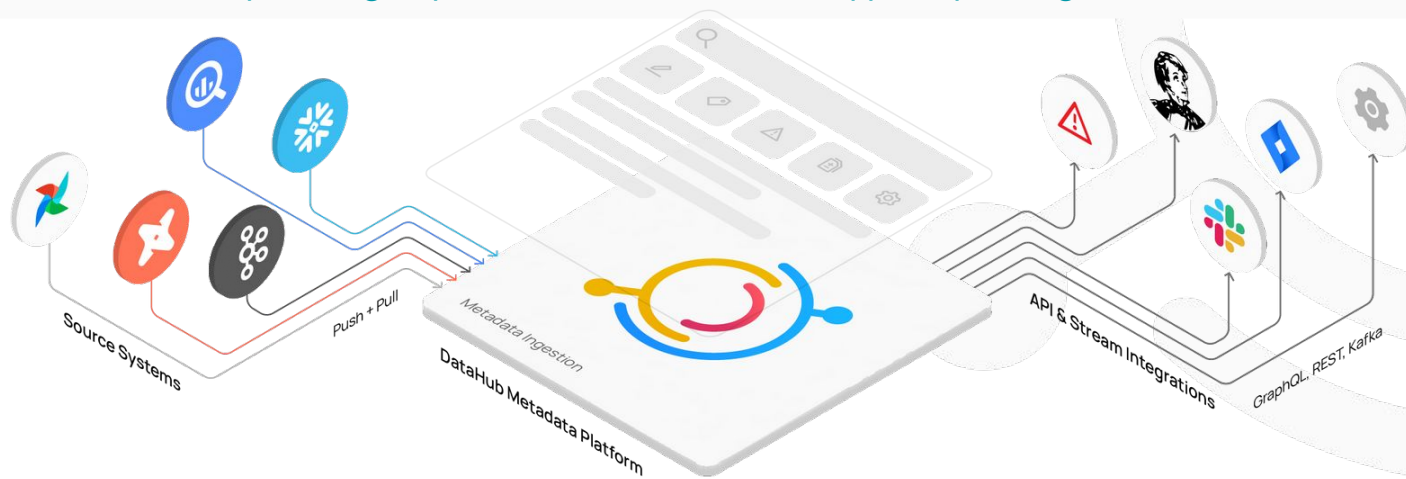
# Workshop Slack Channel

- Throughout the workshop, we'll be sharing materials and communicating via a slack channel
- Sign up for the DataHub Slack community if you're not a member
  - [Slack.datahubproject.io](https://slack.datahubproject.io)
- Join the channel:
  - [#data-council-workshop-2023](#)



# What is DataHub?

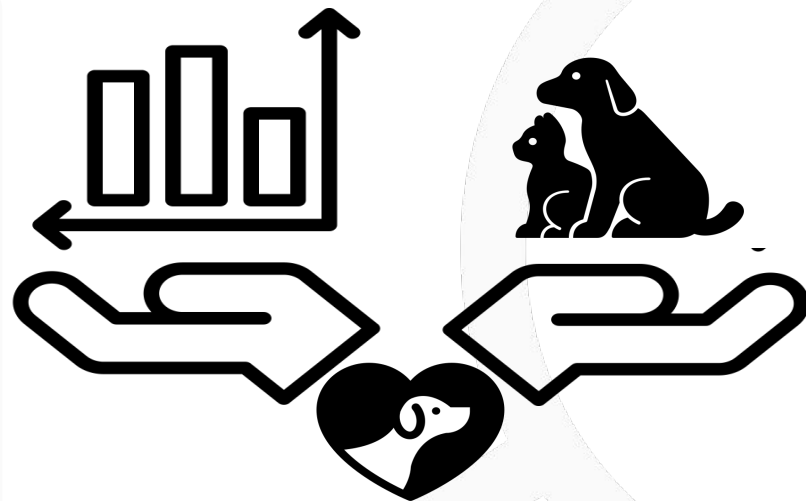
- DataHub is a modern data catalog built to enable end-to-end data discovery, data observability, and data governance.
- We integrate with 50+ platforms out of the box, enabling a holistic view of your entire data stack.
- Use this sign up link to get started in our workshop instance (also in the Slack channel):  
[https://datacouncil.acryl.io/signup?invite\\_token=xcnkxypbdqcdubghcktabeshriktcttf](https://datacouncil.acryl.io/signup?invite_token=xcnkxypbdqcdubghcktabeshriktcttf)





# Scenario: Long Tail Companions

- **Long Tail Companions** is a fictional data-driven pet adoption service.
- Today you'll be taking on the role of an employee on the Data Team at **Long Tail Companions**
- To improve the stability and observability of their data stack, the team has decided to implement DataHub to integrate their Snowflake, Looker, and dbt instances



Long Tail Companions



# The Adoption Report is broken

The screenshot shows the 'Pet Profile' dashboard in Looker. The pet's name is Zara, a Beagle-Harrier, 4 years and 2 months old. She has a fawn, black, and white coat. Her status is 'is ready for adoption' and she has been in status for 804 days. The dashboard includes a pet image, a temperament description ('Active, Alert, Confident, Friendly, Hard-working, Prote...'), and a spay/neuter status table.

Spay/Neuter Status	
In Pet Spayed/Neutered?	Sex
Yes	F

The screenshot shows the 'Adoption Report' dashboard in Looker. The pet's name is Zara, a Beagle-Harrier, 4 years and 2 months old. Her status is 'is ready for adoption' and she has been in status for 805 days. The dashboard includes a 'No results' message for the pet image, a temperament description ('Active, Alert, Confident, Friendly, Hard-working, Protective, St...'), and a spay/neuter status table.

Spay/Neuter Status	
In Pet Spayed/Neutered?	Sex
Yes	F

How will Zara ever get adopted if people can't see what she looks like?  
**THESE PETS NEED HOMES!** We need to help, and DataHub is here to save the day.



# Split into teams

- We're going to split into three teams, each will ingest one platform into DataHub:
  - dbt
  - Snowflake
  - Looker
- After we've ingested Data, we'll break something in the data pipeline and see which team can use DataHub to find what went wrong first!





Snowflake



# Snowflake: Log In & Navigate to Project

URL:

[https://diukgvb-data\\_council.snowflakecomputing.com/](https://diukgvb-data_council.snowflakecomputing.com/)

Username:





maggie

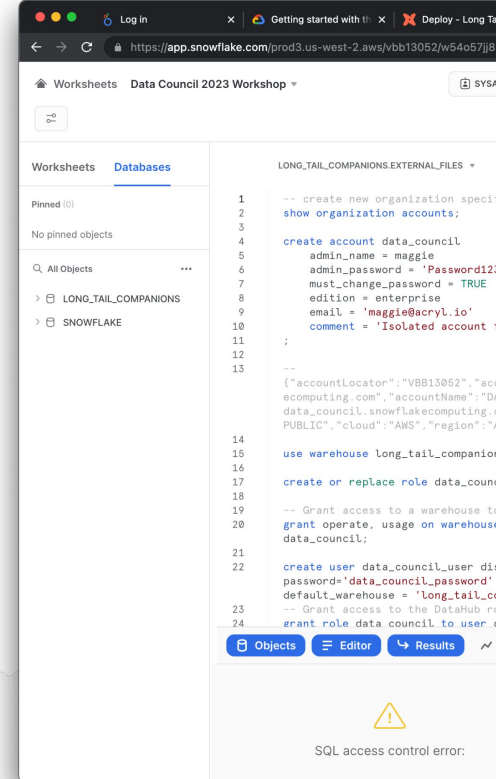
PW:

comic@nonstop2VENDOR

## Worksheets

Recent Shared with me My Worksheets Folders

TITLE	VIEWED ↓	UPDATED
 Data Council 2023 Workshop	4 days ago	just now
 2023-03-10 7:54pm	1 week ago	1 week ago
 2023-03-10 6:09pm	1 week ago	1 week ago
 create_noisy_datasets	1 week ago	1 week ago



```

1  -- create new organization account;
2  show organization accounts;
3
4  create account data_council
5     admin_name = maggie
6     admin_password = 'Password1234567890'
7     must_change_password = TRUE
8     edition = enterprise
9     email = 'maggie@acryl.io'
10    comment = 'isolated account';
11
12
13
14
15
16
17 use warehouse long_tail_companion;
18
19 create or replace role data_council_role;
20 grant operate, usage on warehouse to
21 data_council_role;
22
23 create user data_council_user identified by
24 password='data_council_password'
25 default_warehouse = 'long_tail_companion'
26 -- Grant access to the DataHub role
27 grant role data_council_role to user
  
```

SQL access control error:



Login

Select Data Council Worksheet

How it should Look

# Ingestion: Create New Source

Top right corner of screen:

Analytics Ingestion Govern

Click "Ingestion"

Search Datasets, People, & more

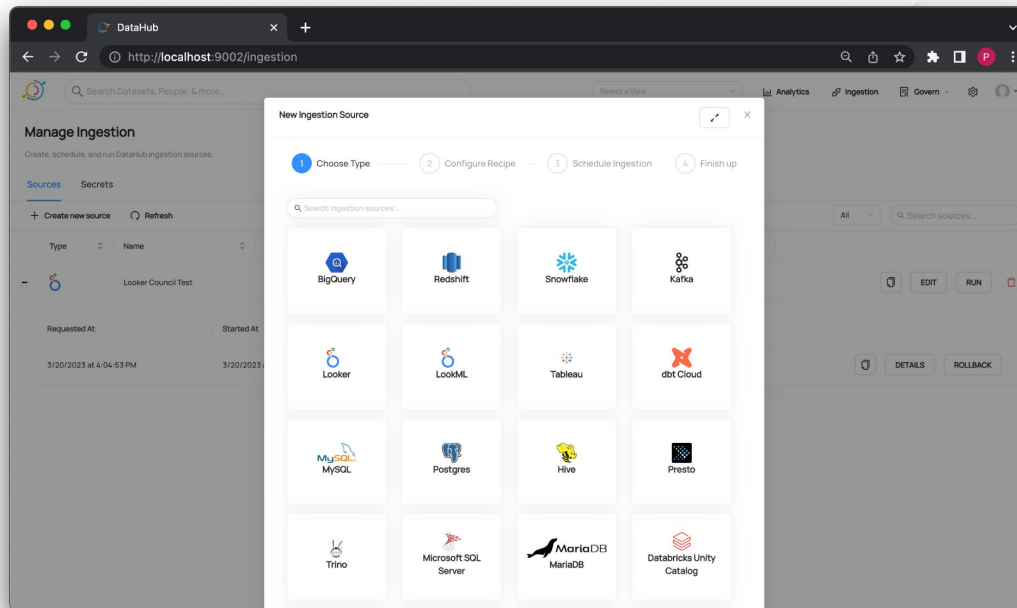
## Manage Ingestion

Create, schedule, and run DataHub ingestion sources.

Sources Secrets

+ Create new source Refresh

+ Create new Source



Choose Source



# Snowflake Ingestion: Configure

Select Source

Copy Fields from Worksheet &amp; URL

Configure



```

21
22  create user data_council_user display_name = 'Data Council'
    password='data_council_password' default_role = data_council
    default_warehouse = 'long_tail_companions';
23  -- Grant access to the DataHub role created above
24  grant role data_council to user data_council_user;
25

```

*Account ID:***vbb13052***Warehouse:***long\_tail\_companions***Username:***data\_council\_user***Password***data\_council\_password***Role***data\_council**

New Ingestion Source

1 Choose Type — 2 Configure Recipe — 3 Schedule Ingestion — 4 Finish up

Snowflake Recipe Form YAML

Connection

\* Account ID

\* Warehouse

\* Username

\* Password Secret Field

\* Role

Test Connection

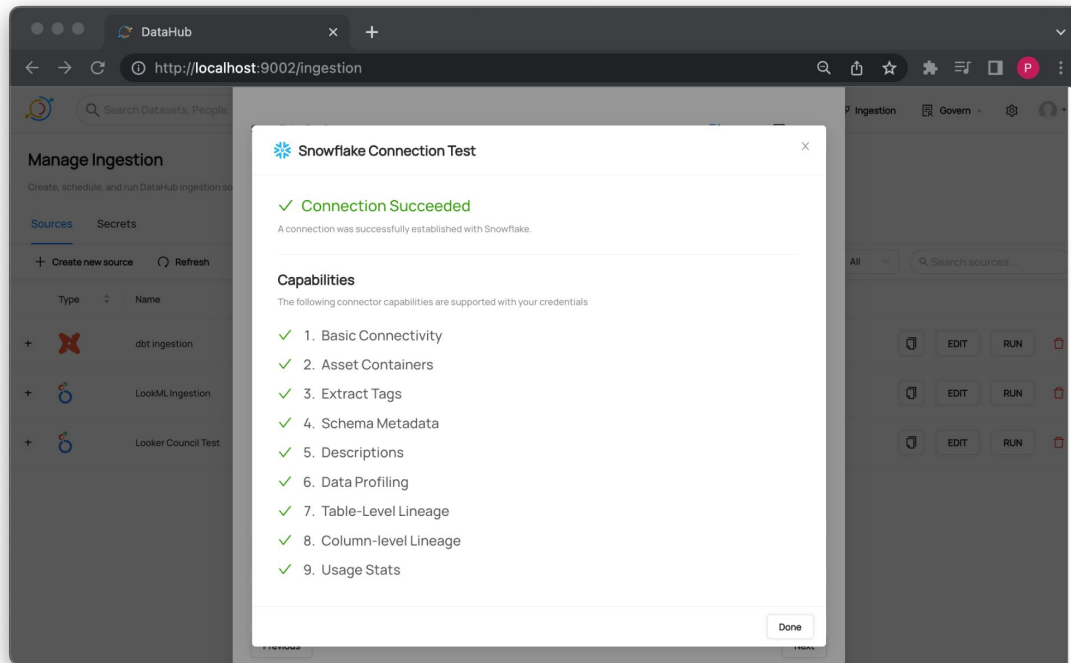
>  Filter

>  Advanced

Previous Next



# Snowflake Ingestion: Test Connection, Save & Run



**Snowflake Connection Test**

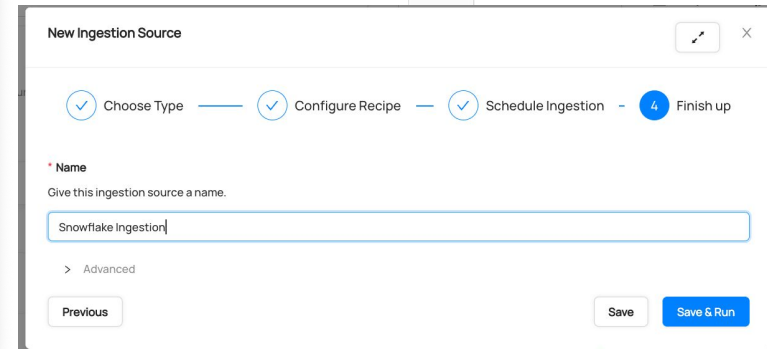
✓ **Connection Succeeded**  
A connection was successfully established with Snowflake.

**Capabilities**  
The following connector capabilities are supported with your credentials

- ✓ 1. Basic Connectivity
- ✓ 2. Asset Containers
- ✓ 3. Extract Tags
- ✓ 4. Schema Metadata
- ✓ 5. Descriptions
- ✓ 6. Data Profiling
- ✓ 7. Table-Level Lineage
- ✓ 8. Column-level Lineage
- ✓ 9. Usage Stats

Done

*\* We won't be configuring scheduled ingestion today, so just click "Next" on that page.*



**New Ingestion Source**

Choose Type — Configure Recipe — Schedule Ingestion — 4 Finish up

**Name**  
Give this ingestion source a name.

Snowflake Ingestion

> Advanced

Previous Save Save & Run



Connection Succeeded

Done

Next

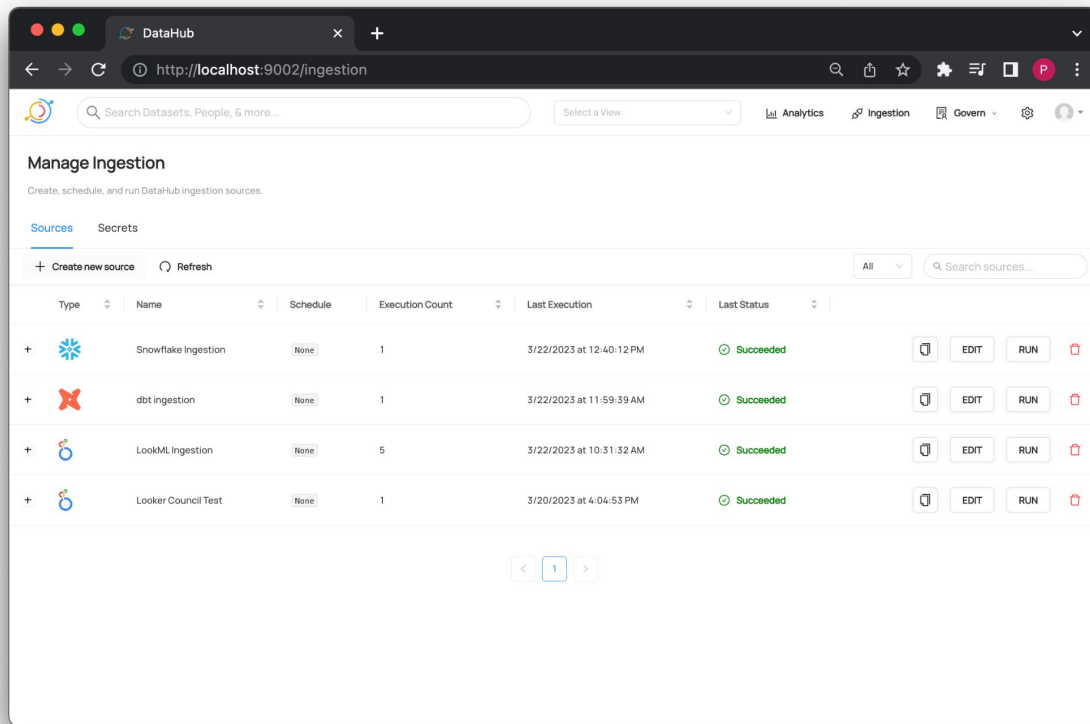
Next

Name Source

















Save & Run



# Snowflake Ingestion: Success



The screenshot shows the DataHub interface for managing ingestion sources. The page title is 'Manage Ingestion' with a subtitle 'Create, schedule, and run DataHub ingestion sources.' There are tabs for 'Sources' and 'Secrets'. A table lists four ingestion sources, all of which have a 'Succeeded' status. The table columns are Type, Name, Schedule, Execution Count, Last Execution, and Last Status. Each row also includes a copy icon and buttons for 'EDIT', 'RUN', and a delete icon.

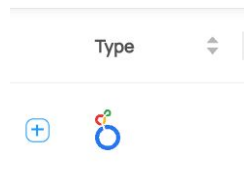
Type	Name	Schedule	Execution Count	Last Execution	Last Status	
+	 Snowflake Ingestion	None	1	3/22/2023 at 12:40:12 PM	 Succeeded	 EDIT RUN 
+	 dbt ingestion	None	1	3/22/2023 at 11:59:39 AM	 Succeeded	 EDIT RUN 
+	 LookML Ingestion	None	5	3/22/2023 at 10:31:32 AM	 Succeeded	 EDIT RUN 
+	 Looker Council Test	None	1	3/20/2023 at 4:04:53 PM	 Succeeded	 EDIT RUN 

Successful Ingestion



# Snowflake Ingestion: Validate

Left side of screen:



Click “+”

Right side of screen:



Click “Details”

Click “View All”

Validate

The 'Ingestion Run Details' modal window shows the following information:

- Status:** Succeeded (green checkmark icon). Ingestion successfully completed.
- Ingested Assets:** Total 380 assets. The following asset types were ingested during this run.

368	11	1
Tables	Schemas	Database

[View All](#)
- Logs:** View logs that were collected during the ingestion run. [Download](#)

```
~~~~ Execution Summary - RUN_INGEST ~~~~
Execution finished successfully!
{'exec_id': '826551f1-315a...
```

[Show More](#)

The 'View Ingested Assets' modal window displays a list of ingested assets:

- Schema: Snowflake
- DBT\_DEV**: 12 entities
- Schema: Snowflake
- PRODUCT\_MANAGEMENT**: 41 entities
- Schema: Snowflake
- ADOPTION\_EVENTS**: 48 entities

At the bottom, there is a pagination control showing '1 - 10 of 380' and a '10 / page' dropdown menu.



dbt



# dbt: Log In & Navigate to Project

*URL:*

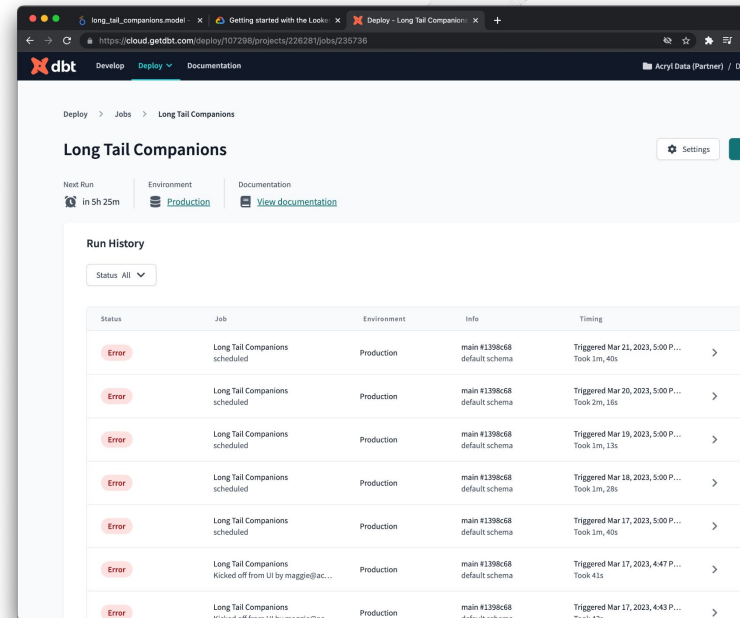
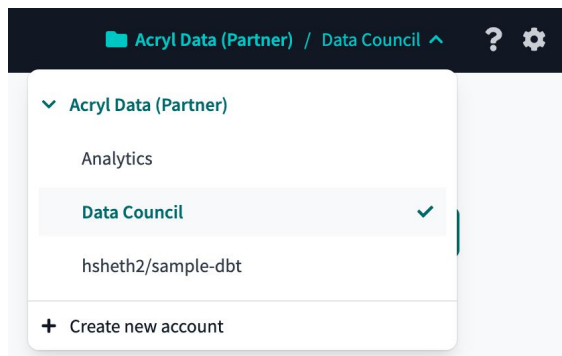
<https://cloud.getdbt.com/>

*Email:*

maggie+datacouncil@acry.io

*PW:*

replay!positive9HYPE



Login

Navigate to "Data Council"

How it should Look

# Ingestion: Create New Source

Top right corner of screen:

Analytics Ingestion Govern

Click "Ingestion"

Search Datasets, People, & more

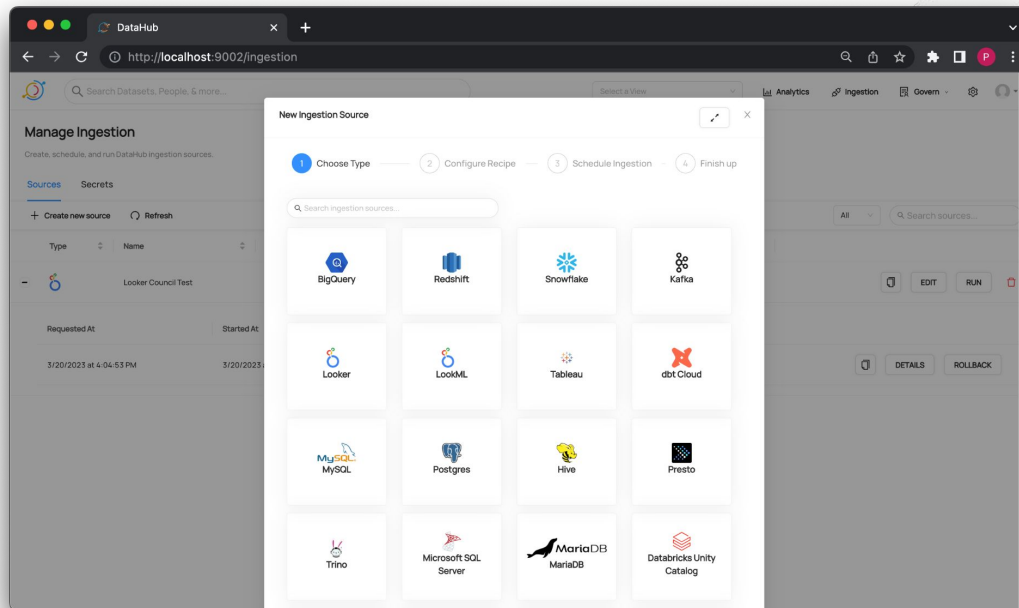
## Manage Ingestion

Create, schedule, and run DataHub ingestion sources.

Sources Secrets

+ Create new source Refresh

+ Create new Source



Choose Source



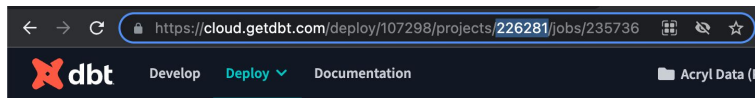
# dbt Ingestion: Configure

Select Source

Copy Fields from URL

Configure

Next



*Account ID:*

**107298**

*Project ID:*

**226281**

*Job ID:*

**235736**

*API Token*

**31a38e97c625d1e411aada56629a5639f10e9ae7**

*Data Platform:*

**Snowflake**

New Ingestion Source

Choose Type — 2 Configure Recipe — 3 Schedule Ingestion — 4 Finish up

dbt Cloud Recipe [Form](#) [YAML](#)

Connection

\* Account ID

\* Project ID

\* Job ID

\* API Token Secret Field

\* Data Platform (Connection Type)

Data Platform Instance

> Filter

> Advanced

Previous Next



# dbt Ingestion: Save & Run, Ingest

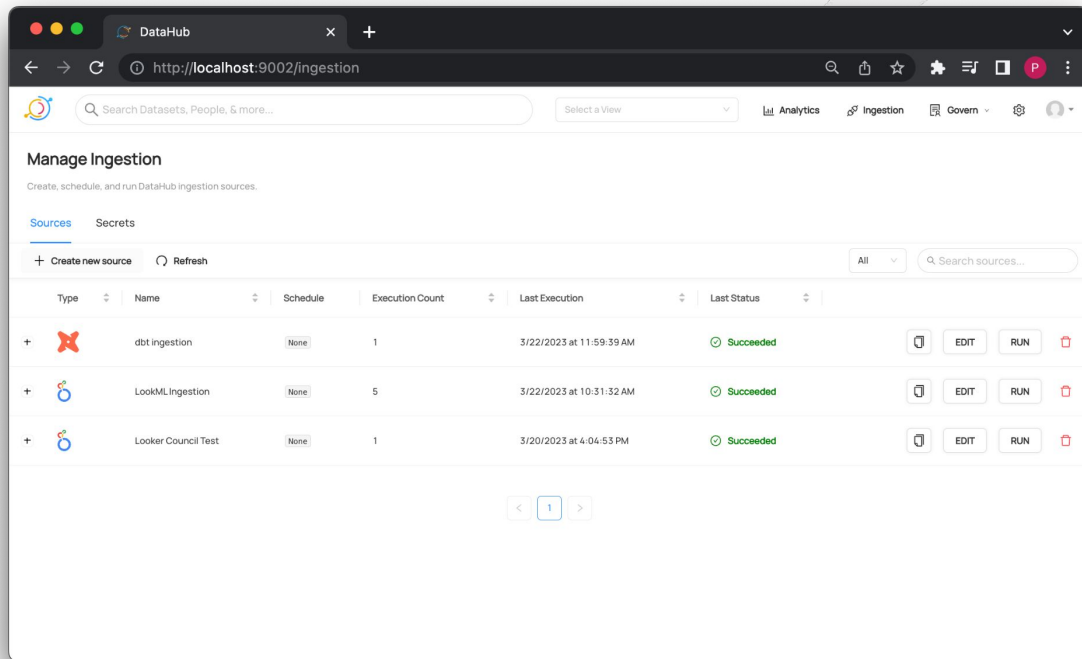
*\* We won't be configuring scheduled ingestion today, so just click "Next" on that page.*

Next

Name Source

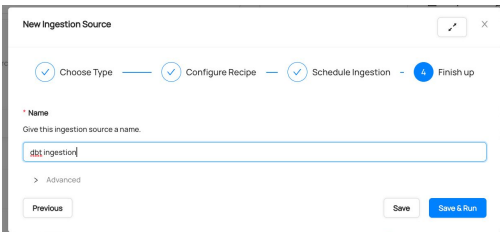
Save & Run

Successful Ingestion



The screenshot shows the DataHub interface for managing ingestion sources. The page title is "Manage Ingestion" and the URL is "http://localhost:9002/ingestion". Below the title, there are tabs for "Sources" and "Secrets". A table lists the ingestion sources with columns for Type, Name, Schedule, Execution Count, Last Execution, and Last Status. The table contains three rows:

Type	Name	Schedule	Execution Count	Last Execution	Last Status
+	dbt ingestion	None	1	3/22/2023 at 11:59:39 AM	Succeeded
+	LookML Ingestion	None	5	3/22/2023 at 10:31:32 AM	Succeeded
+	Looker Council Test	None	1	3/20/2023 at 4:04:53 PM	Succeeded

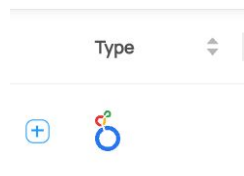


The screenshot shows the "New Ingestion Source" form. It has a progress bar with four steps: "Choose Type", "Configure Recipe", "Schedule Ingestion", and "Finish up". The "Finish up" step is active. The form has a "Name" field with the value "dbt ingestion" and "Save" and "Save & Run" buttons.



# dbt Ingestion: Validate

Left side of screen:



Click “+”

Right side of screen:



Click “Details”

Click “View All”

Validate

**Ingestion Run Details**

**Status**  
Succeeded  
Ingestion successfully completed

**Ingested Assets** Total 5 assets  
The following asset types were ingested during this run.

4	3	1	1
Views	Tables	Seed	Incremental

[View All](#)

**Logs**  
View logs that were collected during the ingestion run. [Download](#)

```
~~~~ Execution Summary - RUN_INGEST ~~~~  
Execution finished successfully!  
{'exec_id': '346a9b17-b27a...
```

[Show More](#)

Close

**View Ingested Assets**

Filters

- Seed dbt
- ShelterDogs
  - Table dbt
  - active\_customer\_tv
  - Table dbt
  - customer\_last\_purchase\_date
  - Table dbt
  - pet\_details

1 - 5 of 5

Close







Looker



# Looker: Log In

- URL:
  - <http://acryl.cloud.looker.com>
- Email:
  - maggie+datacouncil@acry.io
- PW:
  - empress@artiste3ASTOUND

The screenshot shows the Looker web interface in a browser window. The address bar displays <https://acryl.cloud.looker.com/browse>. The interface includes a navigation sidebar on the left with options like Explore, Develop, Admin, Home, Recently Viewed, Favorites, Boards, Folders, Blocks, and Applications. The main content area features a welcome message for Paul, a section for favorite dashboards and looks (with 'No looks yet' and 'No dashboards yet' messages), and sections for 'Recently viewed by you' and 'Recently viewed at your organization'. The 'Recently viewed by you' section shows two dashboard thumbnails: 'Pet Profile' (38 Views, Created by Maggie Hays) and 'Adopted Pets' (26 Views, Created by Maggie Hays). The 'Recently viewed at your organization' section shows two more dashboard thumbnails: 'Pet Profile' (38 Views, Created by Maggie Hays) and 'Pet Profile Deep Dive' (5 Views, Created by Maggie Hays). A 'Group: Everyone' dropdown is visible in the bottom right corner of the dashboard area. A 'Development Mode' toggle is located at the bottom left of the interface.



# Looker Ingestion: Get Creds (Admin only)

This slide is just for your reference, we'll provide keys today, as only Looker Admins can generate & edit keys

Looker

Admin

Looker

Explore

Develop

Admin

Find a setting

Errors and Broken Content

Users

Users

Find integration user in user list

19

Data Council Workshop

Sudo

Edit

Disable

API3 Keys

Edit Keys

Open Menu

Click "Admin"

Scroll+Click "Users"

Click "Edit"

Click "Edit Keys"

Client ID: **xTrMK2rYDV7Wq9pCHDSf**

Secret: **dYWtzHtx2D3dWgvgpNMnkjRn**

Data Council Workshop API3 Keys

Client ID

Client Secret

Purpose

xTrMK2rYDV7Wq9pCHDSf

dYWtzHtx2D3dWg



Unhide & Copy



# Ingestion: Create New Source

Top right corner of screen:

Analytics Ingestion Govern

Click "Ingestion"

Search Datasets, People, & more

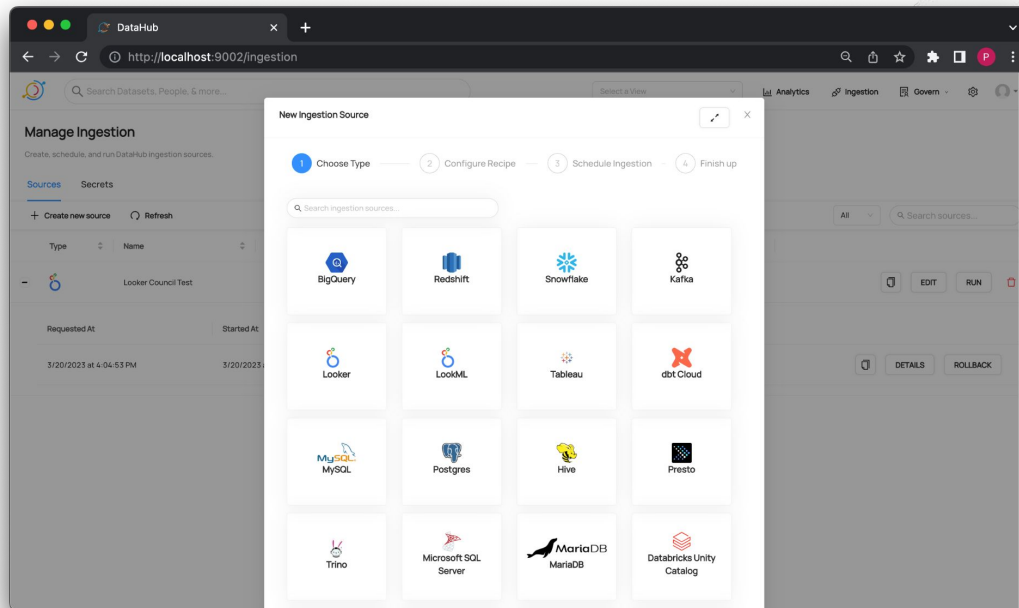
## Manage Ingestion

Create, schedule, and run DataHub ingestion sources.

Sources Secrets

+ Create new source Refresh

+ Create new Source



Choose Source



# Looker Ingestion: Configure

Base URL:

<https://acryl.cloud.looker.com>

Client ID:

xTrMK2rYDV7Wq9pCHDSf

Client Secret:

dYWtzHtx2D3dWgvgpNMnkjRn



New Ingestion Source

1 Choose Type — 2 Configure Recipe — 3 Schedule Ingestion — 4 Finish up

To complete the Looker integration (including Looker views and lineage to the underlying warehouse tables), you must also use the [DataHub LookML Ingestion Source](#).

Looker Recipe Form YAML

Connection

\* Base URL

\* Client ID

\* Client Secret

> Filter

> Advanced

Advanced

Extract Usage History

Extract Owners

Skip Personal Folders

Enable Stateful Ingestion



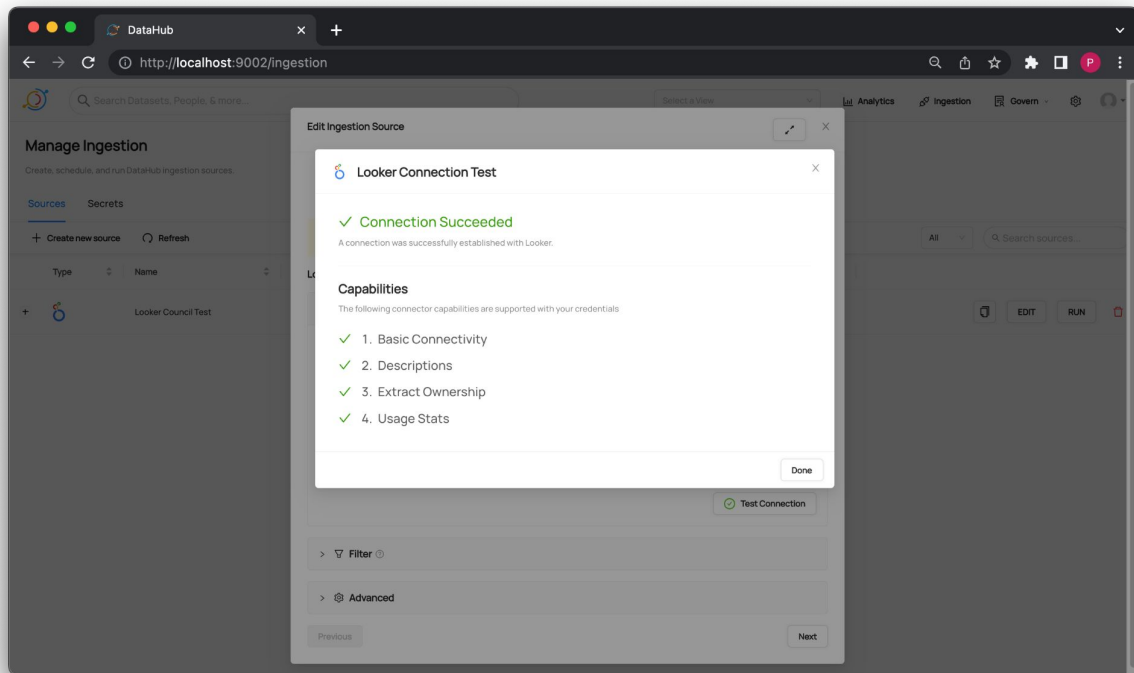
Select Source

Configure

Advanced Settings

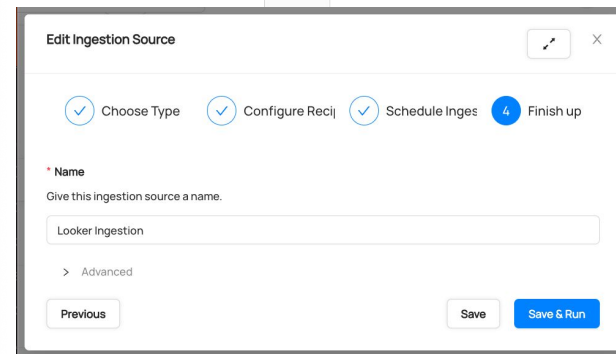
Test Connection

# Looker Ingestion: Test Connection, Save & Run



The screenshot shows the 'Edit Ingestion Source' dialog in the Looker interface. A modal window titled 'Looker Connection Test' is open, displaying a green checkmark and the text 'Connection Succeeded'. Below this, a list of capabilities is shown, all with green checkmarks: 1. Basic Connectivity, 2. Descriptions, 3. Extract Ownership, and 4. Usage Stats. A 'Done' button is at the bottom right of the modal. In the background, the 'Edit Ingestion Source' dialog is partially visible, showing a 'Test Connection' button and 'Next' navigation options.

*\* We won't be configuring scheduled ingestion today, so just click "Next" on that page.*



The screenshot shows the 'Edit Ingestion Source' dialog in the Looker interface. The 'Finish up' step is highlighted with a blue circle and the number 4. The dialog shows a progress bar with four steps: 'Choose Type', 'Configure Recip', 'Schedule Inges', and 'Finish up'. Below the progress bar, there is a 'Name' field with the value 'Looker Ingestion' and a 'Save & Run' button.



Connection Succeeded

Done

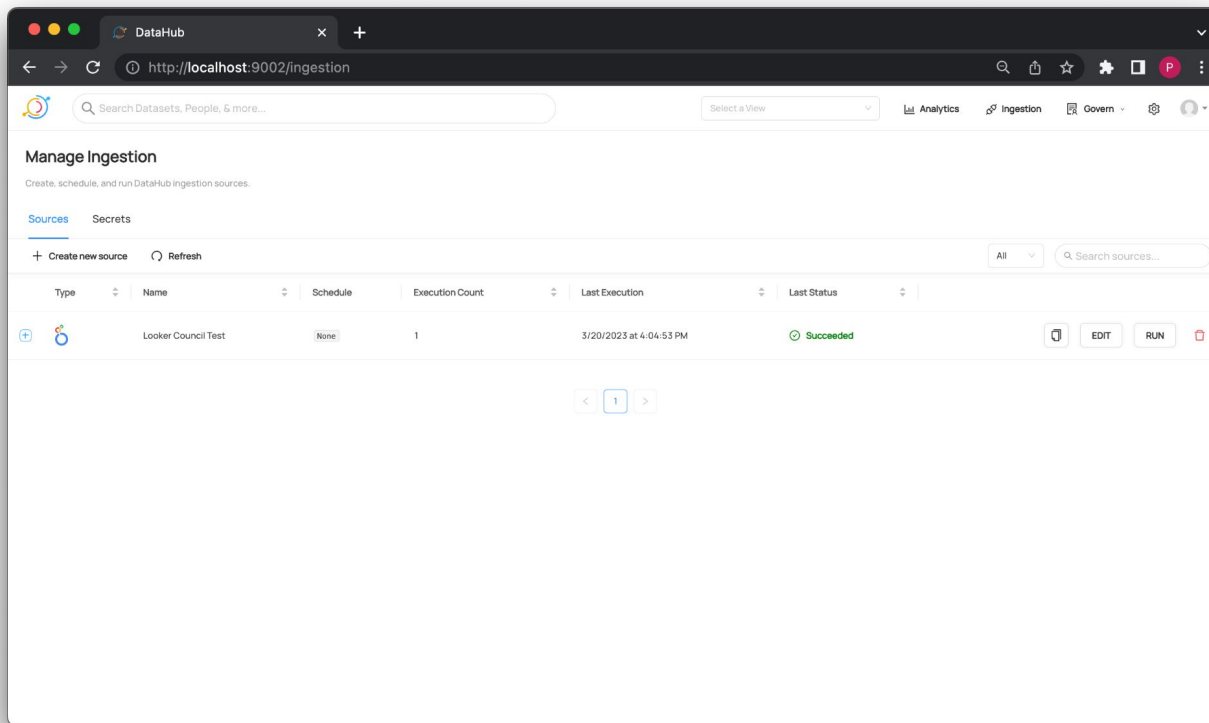
Next

Next

Name Source

Save & Run

# Looker Ingestion: Success



The screenshot shows the DataHub interface for managing ingestion sources. The page title is "Manage Ingestion" with a subtitle "Create, schedule, and run DataHub ingestion sources." There are two tabs: "Sources" (active) and "Secrets". Below the tabs are buttons for "Create new source" and "Refresh". A search bar for sources is on the right. The main content is a table with columns: Type, Name, Schedule, Execution Count, Last Execution, and Last Status. One source is listed: "Looker Council Test" with a schedule of "None", an execution count of 1, and a last execution time of "3/20/2023 at 4:04:53 PM". The status is "Succeeded". Action buttons for "EDIT", "RUN", and a trash icon are visible for this source. A pagination control shows "1" of 1 items.

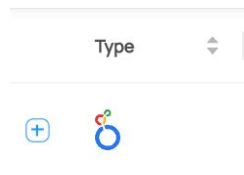
Type	Name	Schedule	Execution Count	Last Execution	Last Status
	Looker Council Test	None	1	3/20/2023 at 4:04:53 PM	Succeeded

Successful Ingestion



# Looker Ingestion: Validate

Left side of screen:



Click “+”

Right side of screen:



Click “Details”

Click “View All”

Validate

A screenshot of the 'Ingestion Run Details' modal window. The window has a close button (X) in the top right corner. It contains the following sections:

- Status:** A green checkmark icon followed by the text 'Succeeded' and 'Ingestion successfully completed'.
- Ingested Assets:** A table showing '1' Explore and '154' Charts, with a total of '191 assets'. A 'View All' link is present.
- Logs:** A section for viewing logs with a 'Download' button. A code block shows: 

```
~~~~ Execution Summary - RUN_INGEST ~~~~  
Execution finished successfully!  
{ 'exec_id': 'a8cf71a0-4b74...' }
```

At the bottom right, there is a 'Close' button.

A screenshot of the 'View Ingested Assets' modal window. It has a close button (X) in the top right corner. It features a search bar with the placeholder text 'Search entities...'. Below the search bar, there are several chart tiles, each with a 'Looker' icon and title:

- Number of First Purchasers
- 30 Day Repeat Purchase Rate
- New Tile
- Best of Breed Campaign

At the bottom, there is a pagination control showing '1 - 10 of 191' and a 'Close' button.



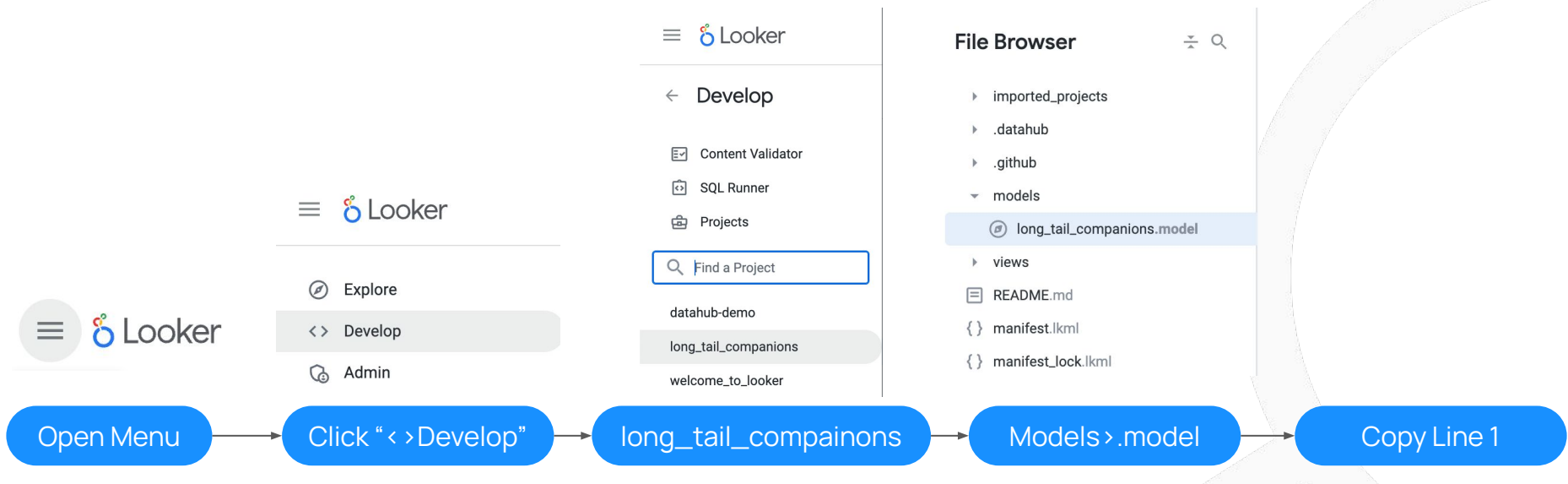


A large, light gray, stylized logo consisting of several concentric, curved lines that form a circular shape. The lines are thick and have rounded ends. In the center of this logo, the text "LookML" is written in a bold, black, sans-serif font.

LookML



# LookML Ingestion: Get Connection Name



long\_tail\_companions.model ▾

```
1 connection: "long-tail-companions-snowflake"
2 include: "/*//*.view"
3
```

```
4 ▾ *We only need:
5 "long-tail-companions-snowflake"
6
7
8
```

# Ingestion: Create New Source

Top right corner of screen:

Analytics Ingestion Govern

Click "Ingestion"



Search Datasets, People, & more

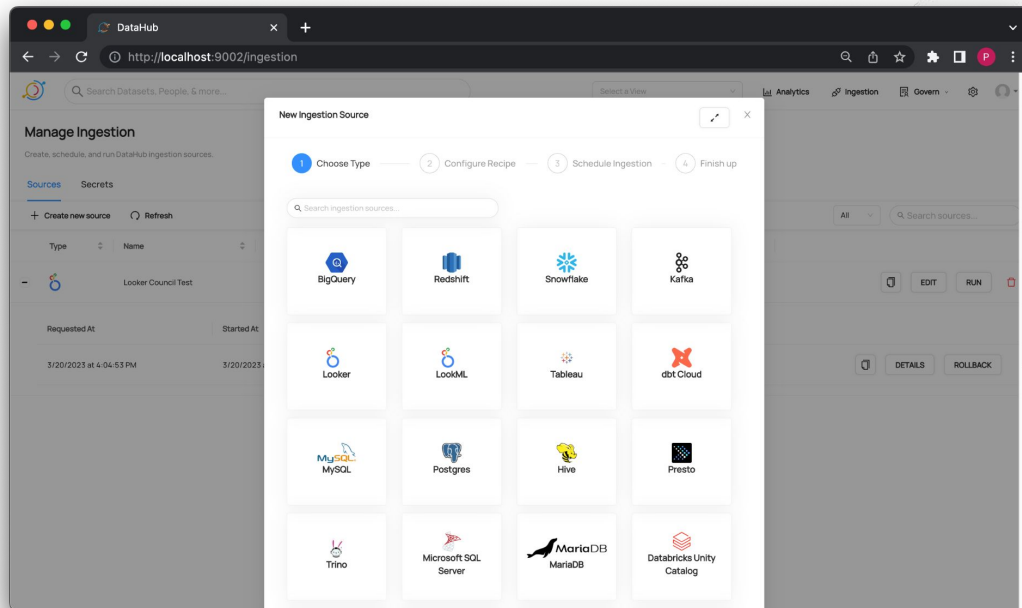
## Manage Ingestion

Create, schedule, and run DataHub ingestion sources.

Sources Secrets

+ Create new source Refresh

+ Create new Source



Choose Source

# LookML Ingestion: Configure

Select Source

Configure

Advanced Settings

Next



Edit Ingestion Source

Choose Type — 1 — **2: Configure Recipe** — 3 — Schedule Ingestion — 4 — Finish up

To complete the Looker integration (including Looker views and lineage to the underlying warehouse tables), you must also use the [DataHub Looker Ingestion Source](#).

LookML Recipe Form YAML

Connection

GitHub Repo

GitHub Deploy Key

LookML Project Name

Looker Base URL

Looker Client ID Secret Field

Looker Client Secret Secret Field

Advanced

Previous Next

Advanced

Extract External Lineage

Connection To Platform Map

Name

Platform

Default Database

+ Add mapping

Enable Stateful Ingestion

GitHub Repo:

acryldata/long-tail-companions-looker

GitHub Deploy Key:

Look in Slack for SSH key

LookML Project Name:

long\_tail\_companions

Connection Name:

long-tail-companions-snowflake

Platform

snowflake

Default Database

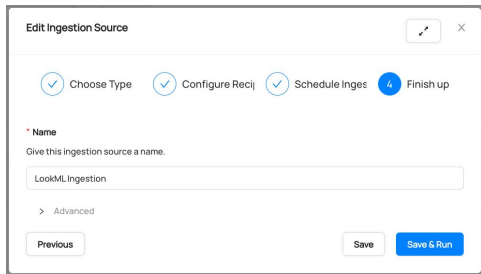
LONG\_TAIL\_COMPANIONS

Base URL: <https://acryl.cloud.looker.com> Client ID: xTrMK2rYDV7Wq9pCHDSf  
Client Secret: dYWtzHtx2D3dWvgpNMnkjRn



# LookML Ingestion: Save & Run, Ingest

*\* We won't be configuring scheduled ingestion today, so just click "Next" on that page.*



Edit Ingestion Source

Choose Type  Configure Recij  Schedule Inges  **4 Finish up**

**Name**  
Give this ingestion source a name.  
LookML Ingestion

> Advanced

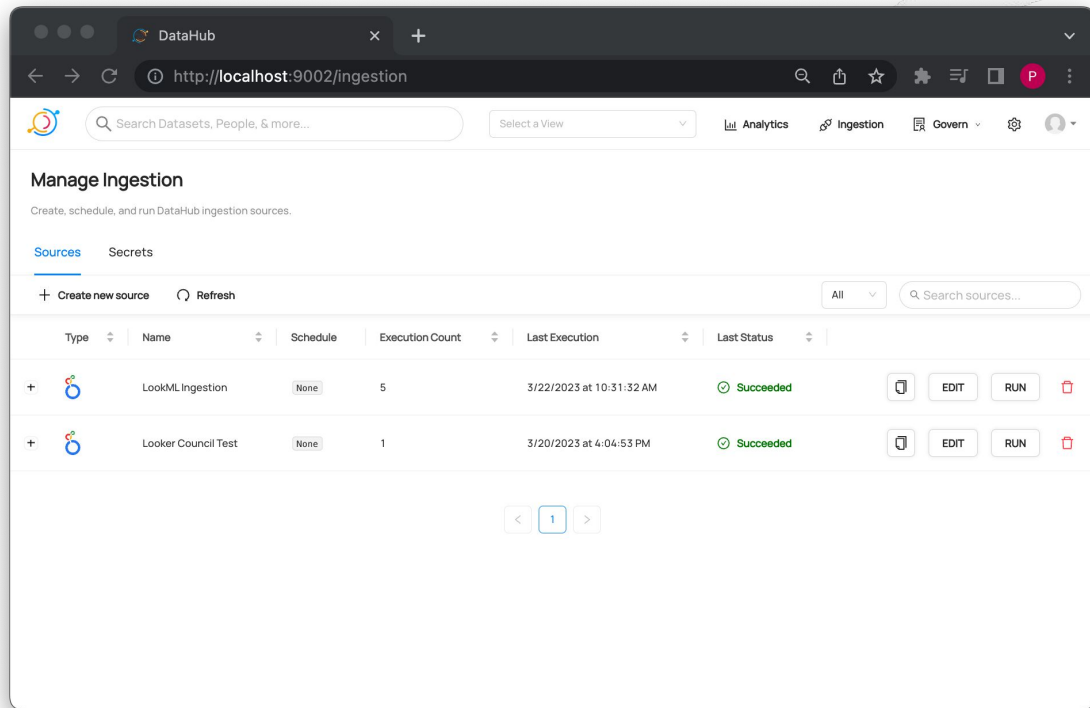
Previous Save Save & Run

Next

Name Source

Save & Run

Successful Ingestion



DataHub

http://localhost:9002/ingestion

Search Datasets, People, & more...

Select a View

Analytics Ingestion Govern

### Manage Ingestion

Create, schedule, and run DataHub ingestion sources.

Sources Secrets

+ Create new source Refresh

All Search sources...

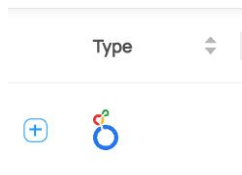
Type	Name	Schedule	Execution Count	Last Execution	Last Status	
	LookML Ingestion	None	5	3/22/2023 at 10:31:32 AM	Succeeded	EDIT RUN
	Looker Council Test	None	1	3/20/2023 at 4:04:53 PM	Succeeded	EDIT RUN

< 1 >



# LookML Ingestion: Validate

Left side of screen:



Click “+”

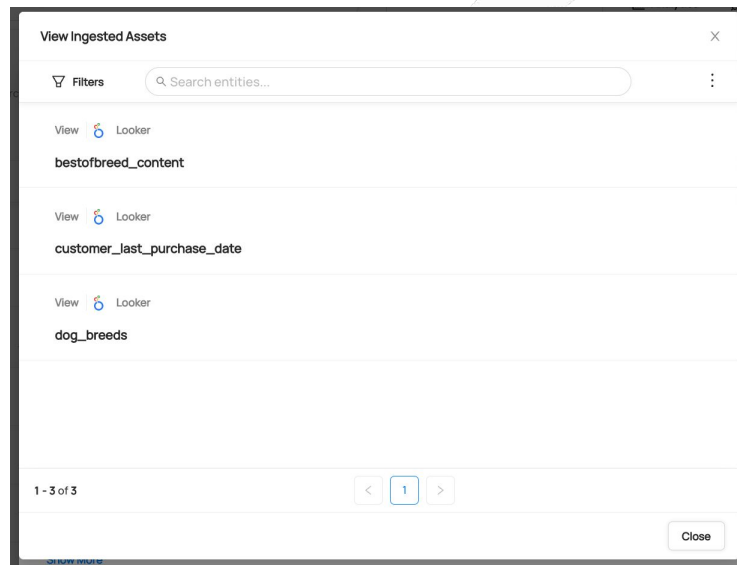
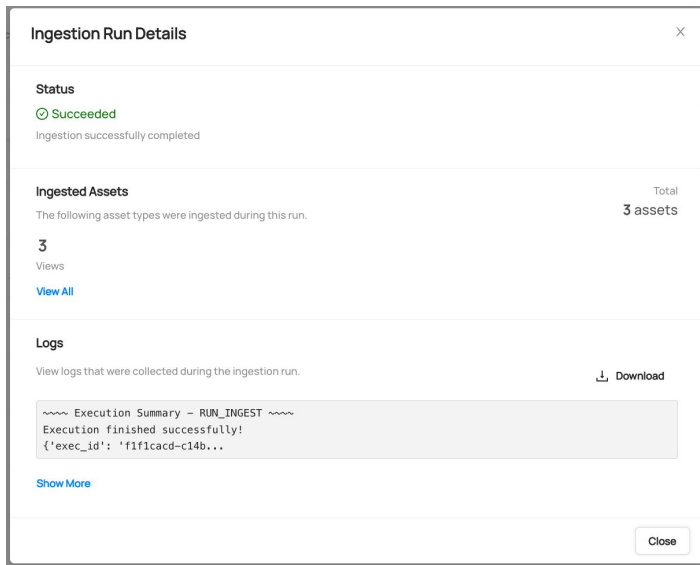
Right side of screen:



Click “Details”

Click “View All”

Validate



# The Broken Dashboard



# Looker: Log In

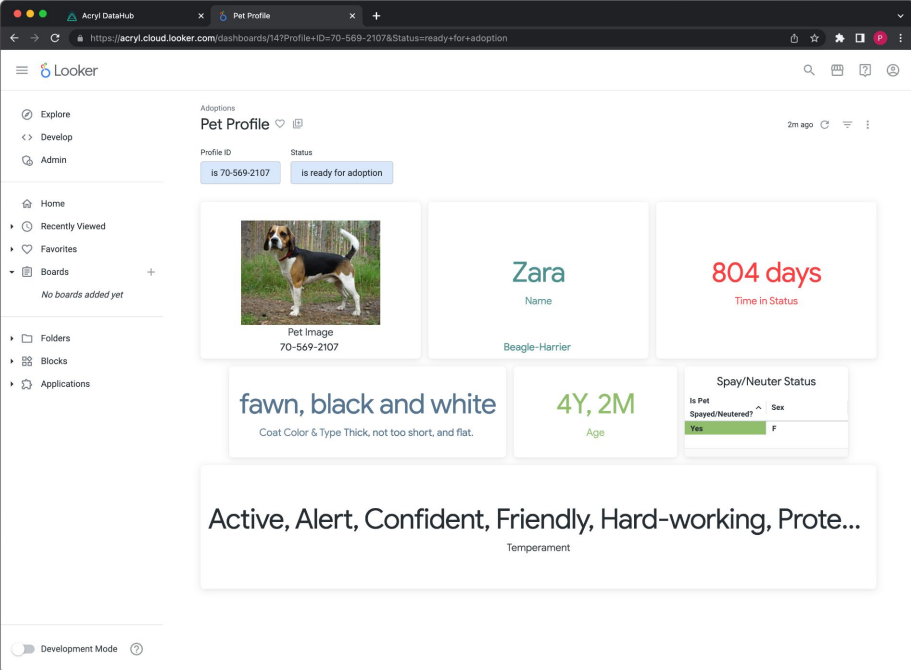
- URL:
  - <http://acryl.cloud.looker.com>
- Email:
  - maggie+datacouncil@acryl.io
- PW:
  - empress@artiste3ASTOUND

The screenshot shows the Looker dashboard in a browser window. The browser address bar displays `https://acryl.cloud.looker.com/browse`. The Looker logo is in the top left. A navigation sidebar on the left includes links for Explore, Develop, Admin, Home (selected), Recently Viewed, Favorites, Boards (with a plus sign and the text "No boards added yet"), Folders, Blocks, and Applications. A top notification bar says "Welcome, Paul! See recent updates and more from your colleagues below." The main content area is titled "Your favorite dashboards and Looks" and contains two placeholder cards: "No looks yet" and "No dashboards yet". Below this is a "Recently viewed by you" section with two dashboard thumbnails: "Pet Profile" (38 Views, Created by Maggie Hays) and "Adopted Pets" (26 Views, Created by Maggie Hays). At the bottom is a "Recently viewed at your organization" section with two more dashboard thumbnails: "Pet Profile" (38 Views, Created by Maggie Hays) and "Pet Profile Deep Dive" (5 Views, Created by Maggie Hays). A "Group: Everyone" dropdown is visible in the bottom right. A "Development Mode" toggle is at the bottom left.





# Long Tail Companions Adoption Report Dashboard



The screenshot shows a Looker dashboard for a pet profile. The dashboard is titled "Pet Profile" and displays the following information:

- Profile ID:** 70-569-2107
- Status:** is ready for adoption
- Pet Image:** A photograph of a Beagle-Harrier dog.
- Name:** Zara
- Time in Status:** 804 days
- Coat Color & Type:** fawn, black and white (Thick, not too short, and flat).
- Age:** 4Y, 2M
- Spay/Neuter Status:** Yes (Spayed/Neutered), F (Sex)
- Temperament:** Active, Alert, Confident, Friendly, Hard-working, Prote...

The dashboard also includes a navigation menu on the left with the following items:

- Home
- Recently Viewed
- Favorites
- Boards (No boards added yet)
- Folders
- Blocks
- Applications

The "Adoption Report" is highlighted in the navigation menu.

Open Menu

Favorites &gt; Adoption Report

How it should Look



# The Adoption Report is broken

Adoptions

## Adoption Report ♥ +

Profile ID

is 70-569-2107

Status

is ready for adoption



Pet Image

70-569-2107

Tile actions

Explore from here

View

Clear cache &amp; refresh

The screenshot shows the Looker interface for the Adoption Report. The pet image tile is broken, displaying "No results" instead of the dog's photo. Other tiles show the dog's name "Zara", breed "Beagle-Harrier", age "4Y, 2M", and status "805 days Time in Status". The temperament is listed as "Active, Alert, Confident, Friendly, Hard-working, Protective, St...".

If people can't see these pets, how will they ever get adopted? We need to help!



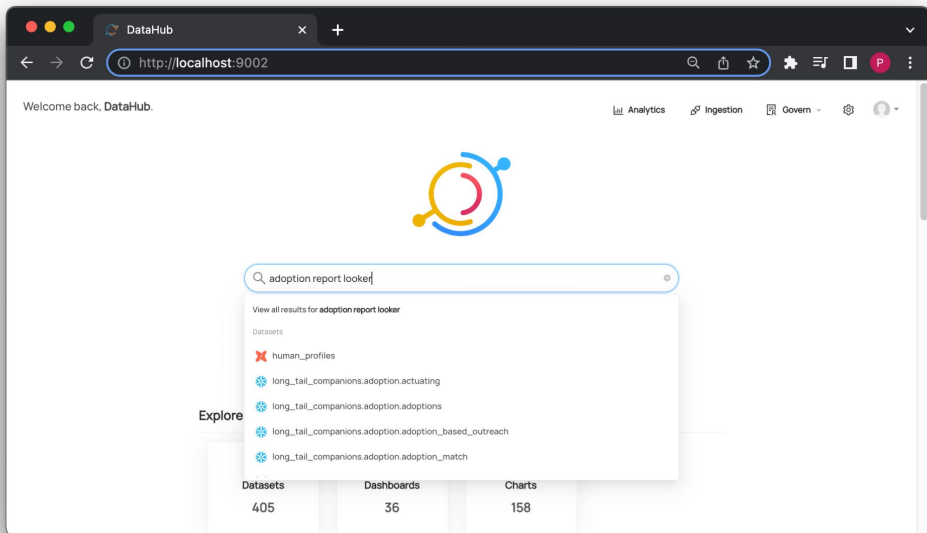
Click "... " on Pet Image

Clear cache &amp; refresh

Image is broken

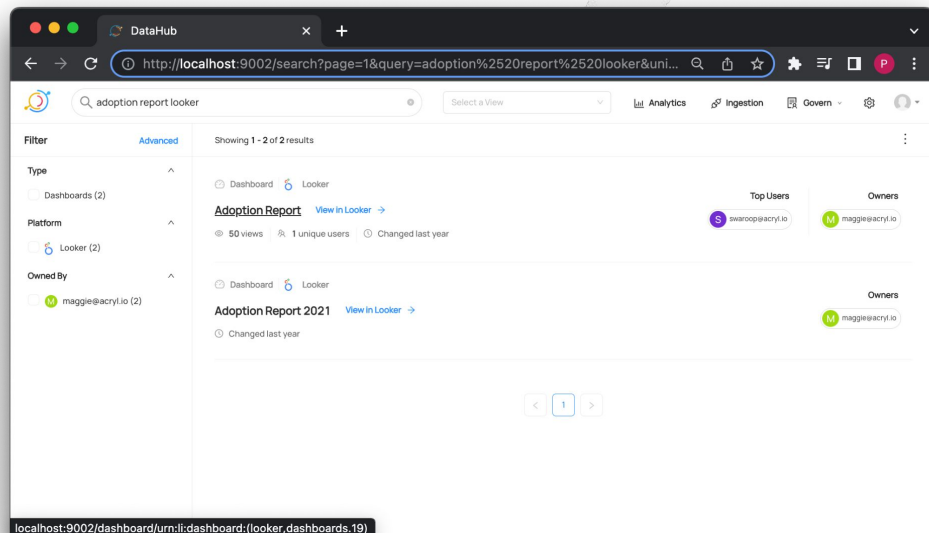
# Finding The Adoption Report

First, we need to find the adoption report in DataHub.



Screenshot of the DataHub search interface. The search bar contains the text "adoption report looked". Below the search bar, a dropdown menu displays search results under the heading "View all results for adoption report looked". The results are categorized into "Datasets" and include items like "human\_profiles", "long\_tail\_companions.adoption.actuating", "long\_tail\_companions.adoption.adoptions", "long\_tail\_companions.adoption.adoption\_based\_outreach", and "long\_tail\_companions.adoption.adoption\_match". At the bottom of the search results, there is a summary table:

Datasets	Dashboards	Charts
405	36	158



Screenshot of the DataHub search results page. The search bar contains the text "adoption report looked". The results are filtered to show "Showing 1 - 2 of 2 results". The first result is "Adoption Report" (Type: Dashboard, Platform: Looker), which is highlighted. The second result is "Adoption Report 2021" (Type: Dashboard, Platform: Looker). The "Adoption Report" result shows "50 views", "1 unique users", and "Changed last year". The "Adoption Report 2021" result shows "Changed last year". The "Adoption Report" result is linked to "View In Looker". The "Adoption Report 2021" result is linked to "View In Looker". The "Adoption Report" result is owned by "maggie@acrylio" and "swarop@acrylio". The "Adoption Report 2021" result is owned by "maggie@acrylio".

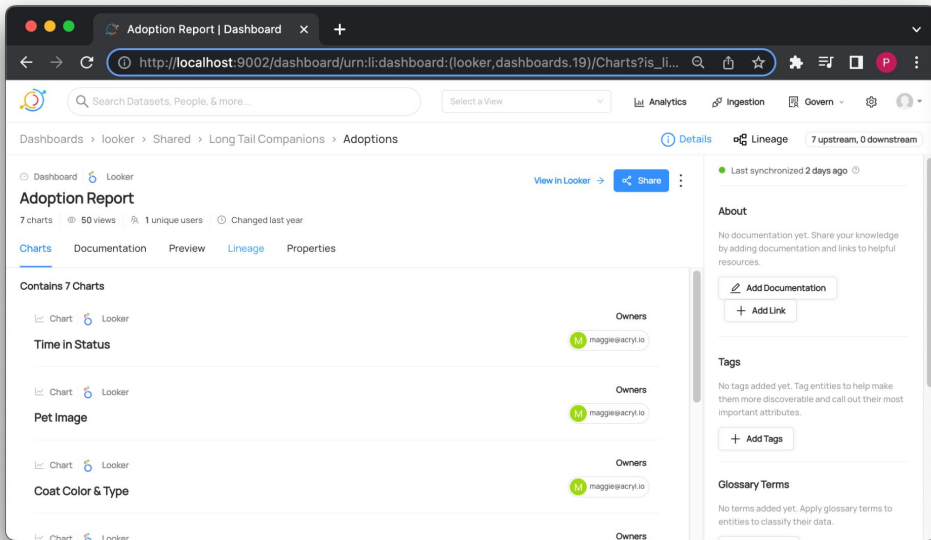


Search for "adoption report looked"

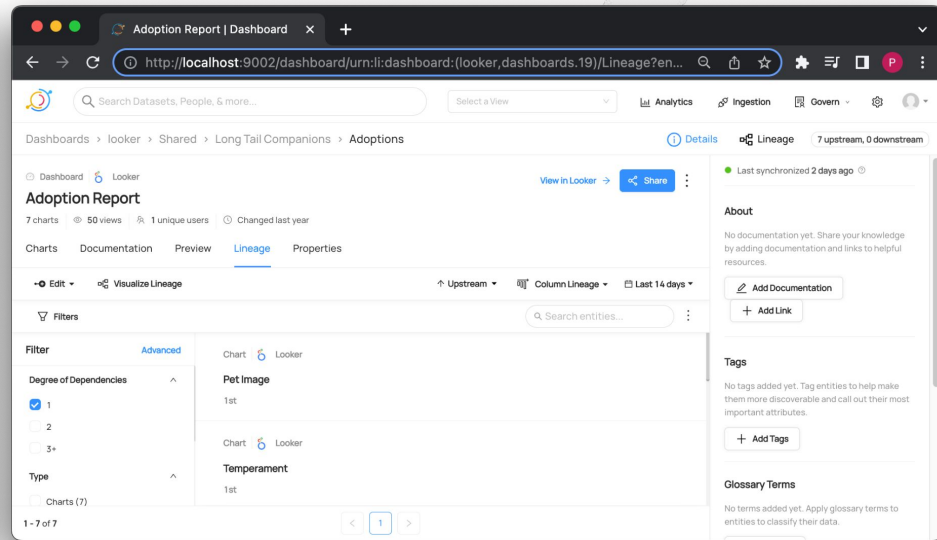
Click on the Adoption Report Dashboard

# Viewing Adoption Report Lineage

Now that we've found our Adoption Report in DataHub, let's see what data feeds into it.



The screenshot shows the DataHub interface for the 'Adoption Report' dashboard. The 'Lineage' tab is selected, and the 'Visualize Lineage' button is visible. The dashboard contains 7 charts, including 'Time in Status', 'Pet Image', and 'Coat Color & Type'. The 'About' section is empty, and the 'Tags' section is also empty. The 'Glossary Terms' section is empty.



The screenshot shows the DataHub interface for the 'Adoption Report' dashboard. The 'Lineage' tab is selected, and the 'Visualize Lineage' button is clicked. The dashboard contains 7 charts, including 'Time in Status', 'Pet Image', and 'Coat Color & Type'. The 'About' section is empty, and the 'Tags' section is also empty. The 'Glossary Terms' section is empty.

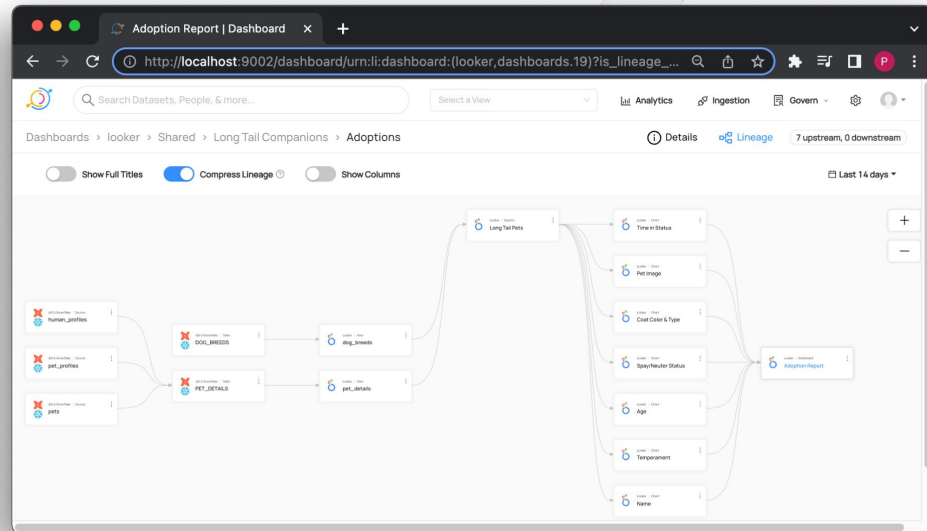
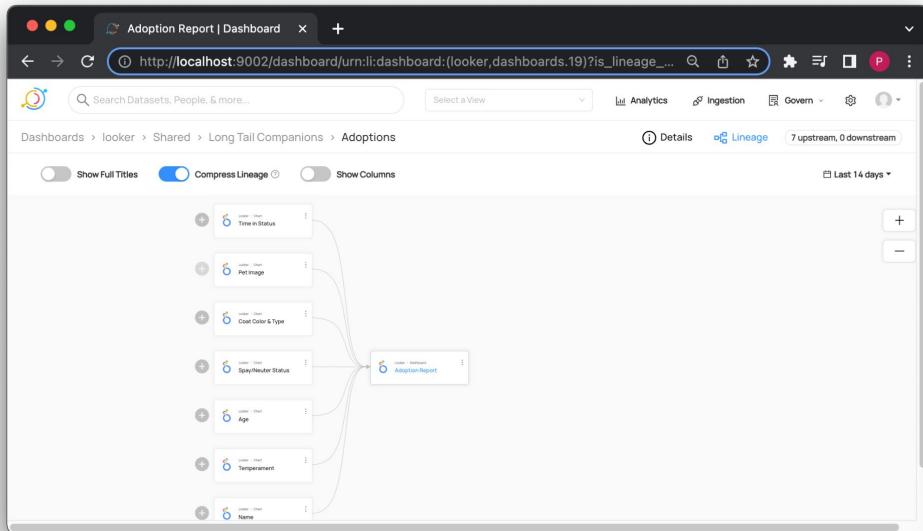


Select the "Lineage Tab"

Click  Visualize Lineage

# Finding Upstream Dependencies

To see what's broken, we need to find the highest upstream dataset from the Adoptions Report.



Click “+” next to Pet Images to reveal upstreams

Keep Clicking “+” to reveal all upstreams

# Tracking Down the Problem

Let's check these top level entities to see what could be amiss.

Adoption Report | Dashboard

http://localhost:9002/dashboard/urn:ll:dashboard:(looker\_dashboards.19)?is\_lineage\_...

Search Datasets, People, & more...

Select a View

Analytics Ingestion Govern

Dashboards > looker > Shared > Long Tail Companions > Adoptions

Details Lineage 7 upstream, 0 downstream

Table dbt & Snowflake ...S > ADOPTION View in dbt

Columns Last 14 days

### human\_profiles

31,132 rows, 16 columns, 2.22 MB, 4 queries last month

Last synchronized 2 hours ago

About

this table contains profile details of all humans that have applied to adopt a pet

+ Add Link

Owners

No owners added yet. Adding owners helps you keep track of who is responsible for this data.

Close Dataset Details

Lineage diagram showing dependencies: human\_profiles, pet\_profiles, pets, dog\_breeds, pet\_details.

Adoption Report | Dashboard

http://localhost:9002/dashboard/urn:ll:dashboard:(looker\_dashboards.19)?is\_lineage\_...

Search Datasets, People, & more...

Select a View

Analytics Ingestion Govern

Dashboards > looker > Shared > Long Tail Companions > Adoptions

Details Lineage 7 upstream, 0 downstream

Table dbt & Snowflake ...S > ADOPTION View in Snowflake

Columns Last 14 days

### dog\_breeds

566 rows, 22 columns, 120.83 KB, 2 queries last month

Changed 2 days ago

Last synchronized 2 hours ago

About

No documentation yet. Share your knowledge by adding documentation and links to helpful resources.

+ Add Documentation + Add Link

Owners

matthew@longtail.com + Add Owners

Close Dataset Details

Lineage diagram showing dependencies: human\_profiles, pet\_profiles, pets, dog\_breeds, pet\_details.

Alert: Dataset is failing 1/1 assertions.



Click & explore the toplevels

There's a failing assertion on dog\_breeds!

Dataset Details

# Contacting the Owner

Sure enough, the “img” column failed an assertion Let’s find out who to talk to for a fix!

The screenshot shows a web browser window displaying a data catalog interface. The URL is `http://localhost:9002/dataset/urn:li:dataset:(urn:li:dataPlatform:snowflake,long_tail_compan...`. The interface shows the dataset `dog_breeds` with 566 rows and 22 columns. The `Validation` tab is active, showing an assertion failure: `Column img values are not null`. The error message indicates that 0 assertions were successful and 1 failed. The interface also shows options for `Schema`, `Documentation`, `Lineage`, `Properties`, `Queries`, `Stats`, and `Validation`.

Last synchronized 2 hours ago

## About

No documentation yet. Share your knowledge by adding documentation and links to helpful resources.

Add Documentation

Add Link

## Owners

matthew@longtail.com

Add Owners

Let’s contact Matthew to see if we can get this fixed ASAP.

These pets need homes!



Go to Validation Tab

Find the Dataset Owner

Contact them!



... Talking to “Matthew” (Maggie)...

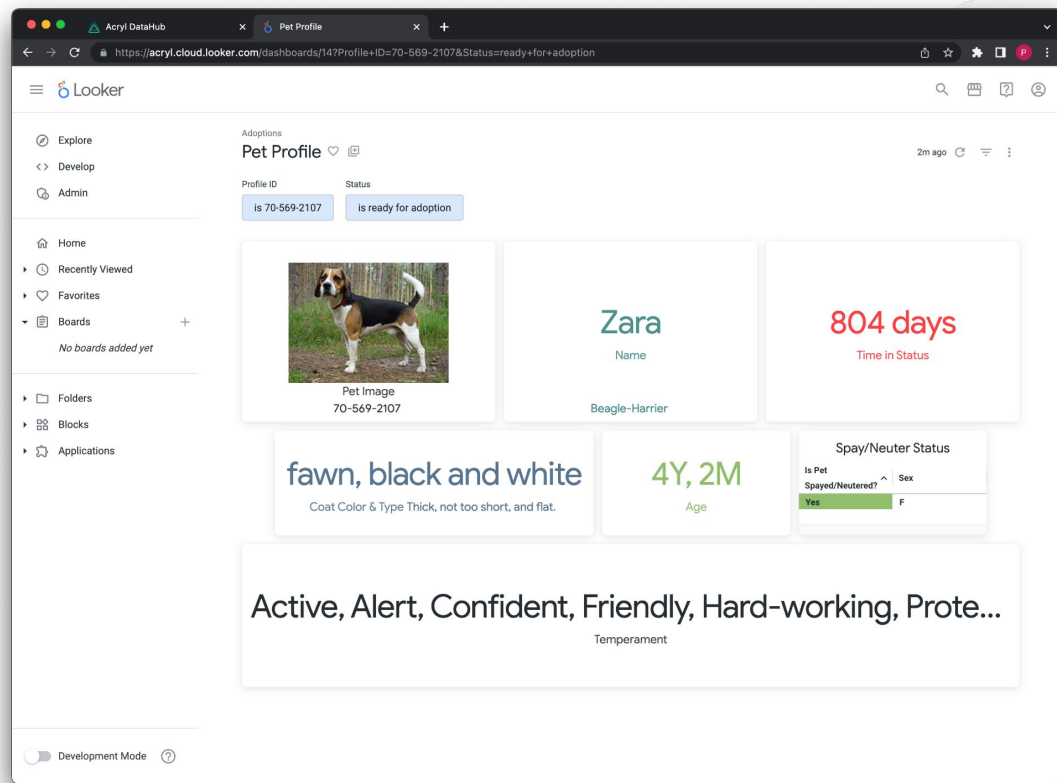




# Return to Normalcy

Voila! Thanks to our diligent data-sleuthing, our adoption dashboard is back on track.

Thank you,  
**DataHub!** 😊



The screenshot shows a web browser displaying the 'Pet Profile' page for a dog named Zara. The page is titled 'Adoptions Pet Profile' and includes a navigation sidebar on the left with options like 'Explore', 'Develop', 'Admin', 'Home', 'Recently Viewed', 'Favorites', 'Boards', 'Folders', 'Blocks', and 'Applications'. The main content area displays the following information:

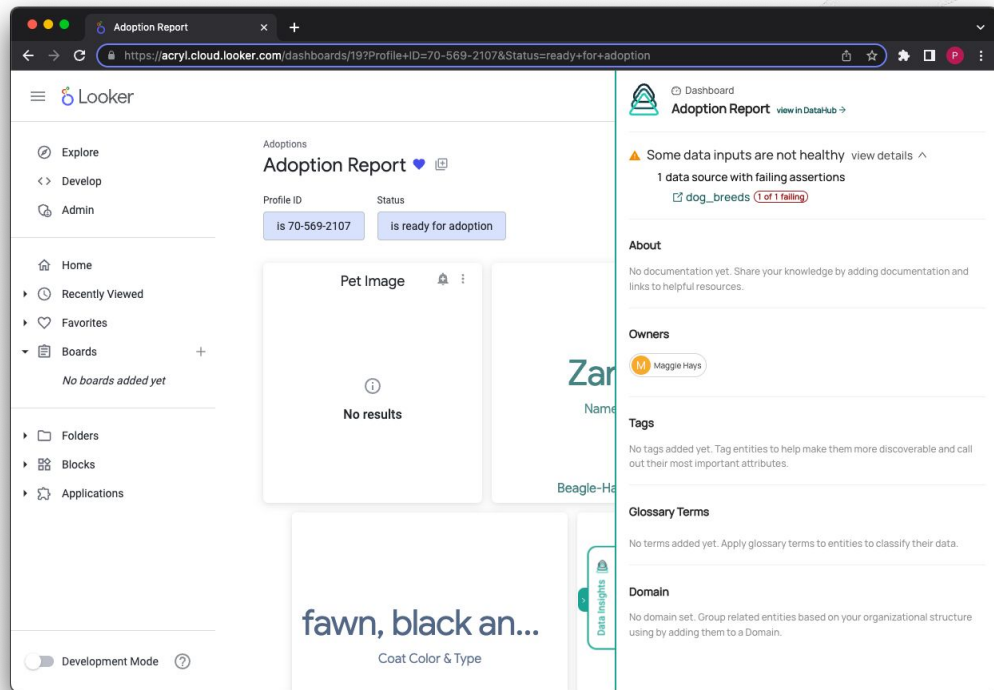
- Profile ID:** 70-569-2107
- Status:** is ready for adoption
- Pet Image:** A photo of a Beagle-Harrier dog.
- Name:** Zara
- Time in Status:** 804 days
- Coat Color & Type:** fawn, black and white (Thick, not too short, and flat.)
- Age:** 4Y, 2M
- Spay/Neuter Status:** Is Pet Spayed/Neutered? Yes, Sex: F
- Temperament:** Active, Alert, Confident, Friendly, Hard-working, Prote...

At the bottom of the page, there is a 'Development Mode' toggle switch.



# Bonus: Chrome Extension

We also have a [chrome extension](#) that lets you see what's wrong from the **looker dashboard** 🎉🎉



The screenshot shows a web browser window displaying the Looker dashboard. The URL is <https://acryl.cloud.looker.com/dashboards/19?Profile+ID=70-569-2107&Status=ready+for+adoption>. The dashboard title is "Adoption Report". A notification banner at the top right states: "Some data inputs are not healthy view details ^" and "1 data source with failing assertions" with a link to "dog\_breeds (1 of 1 failing)". The dashboard content includes a "Pet Image" section with "No results", a "fawn, black an..." section for "Coat Color & Type", and a right-hand sidebar with sections for "About", "Owners" (listing Maggie Hays), "Tags", "Glossary Terms", and "Domain". A "Data Insights" sidebar is partially visible on the right.



# Questions and Q&A





THANK YOU

