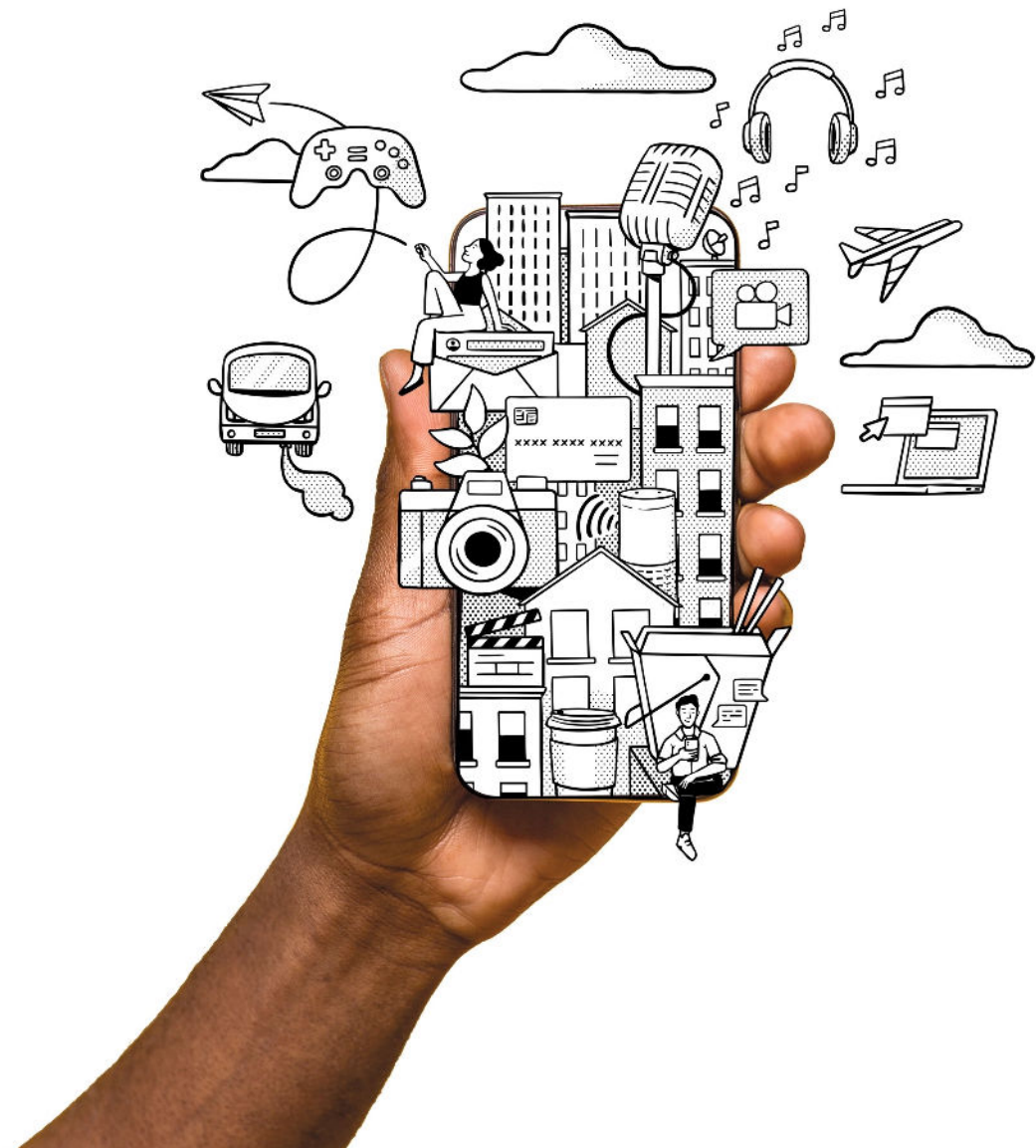


Data 360° for Data Platform

Going beyond Data Catalogs



asurion

is a **tech care** company

We eliminate the fears and frustrations associated with technology, to ensure our 300 million customers get the most out of their devices, appliances and connections.

asurion

WE OFFER:



**Protection &
insurance plans**



**Repair &
replacement services**



24/7 live tech help



Setup & installation

FOR:



Phones



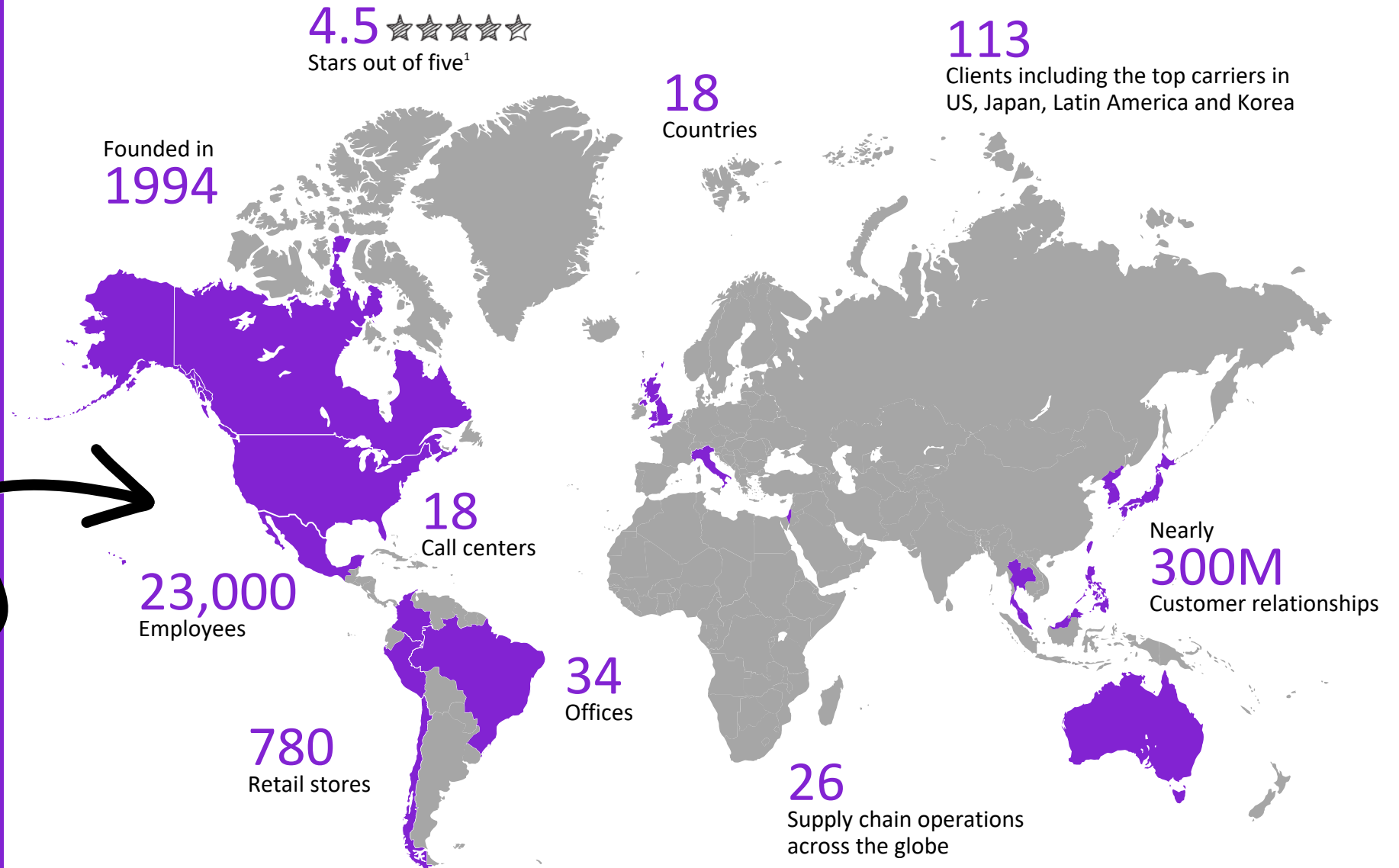
**Connected
home tech**



**Major
appliances**

asurion

We operate
on a global
scale



¹ based on 14M Asurion customer reviews

How we help our customers:

9,000+
experts

We've created the largest tech care network:

- ✓ **Virtual**
Call or chat with us 24/7
- ✓ **In-Store**
780+ stores nationwide
- ✓ **On the road**
We make house calls for 85% of US Population

asurion

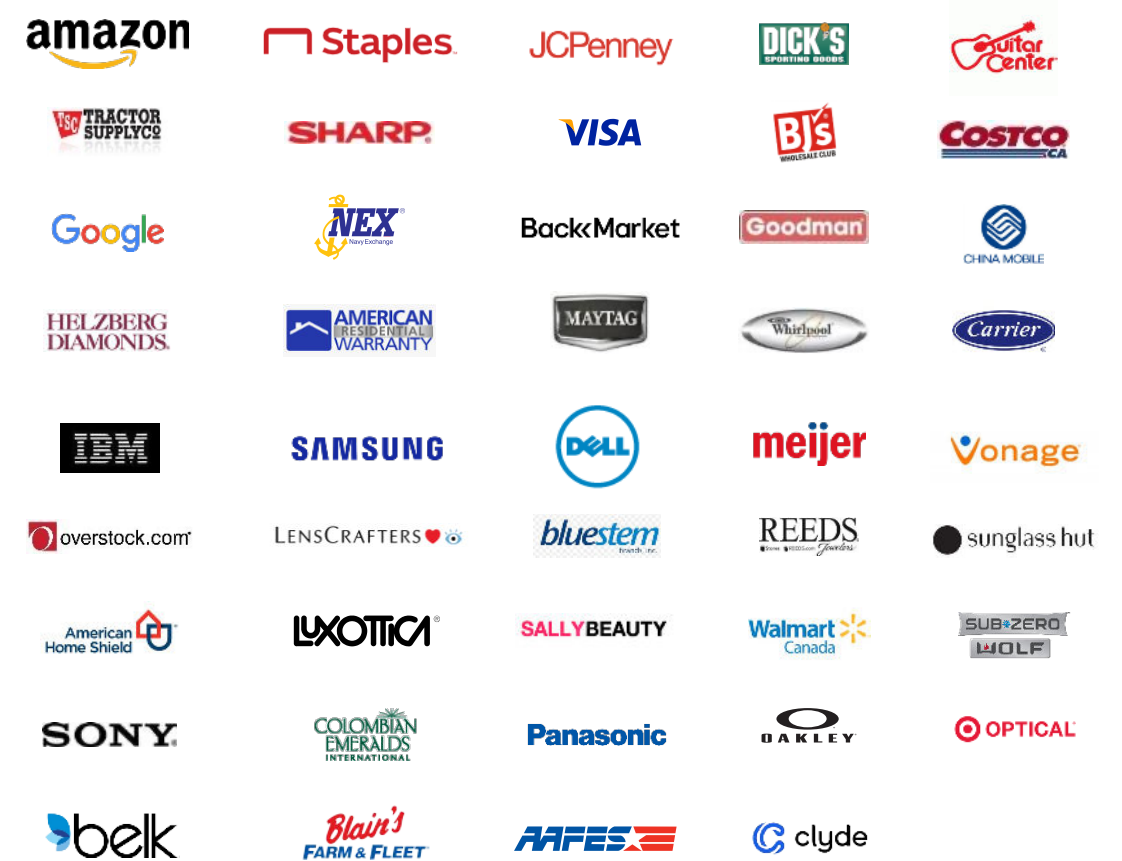


We have built long-term partnerships

Mobile | Telco | Cable



Retail | OEM



asurion

Why DPS?

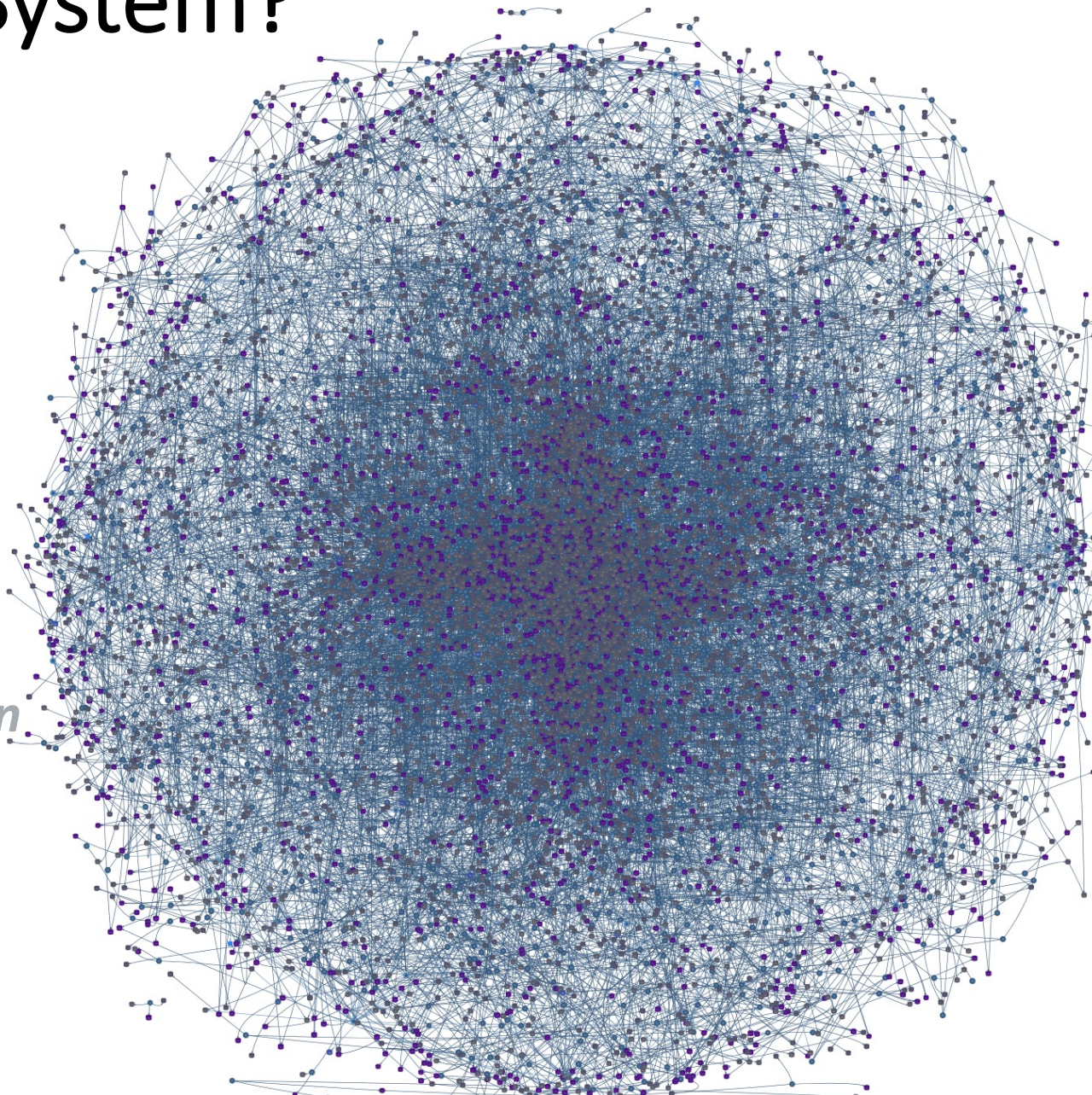
- **Connected data is more valuable.**
- **Easy access to Metadata saves a ton of time for all Data and Platform Engineers.**
- **A “connected” metadata solution makes it easy to unlock the true potential of a Data Platform.**
- **Most metadata solutions are completely or partially siloed, technology specific and complex.**

asurion



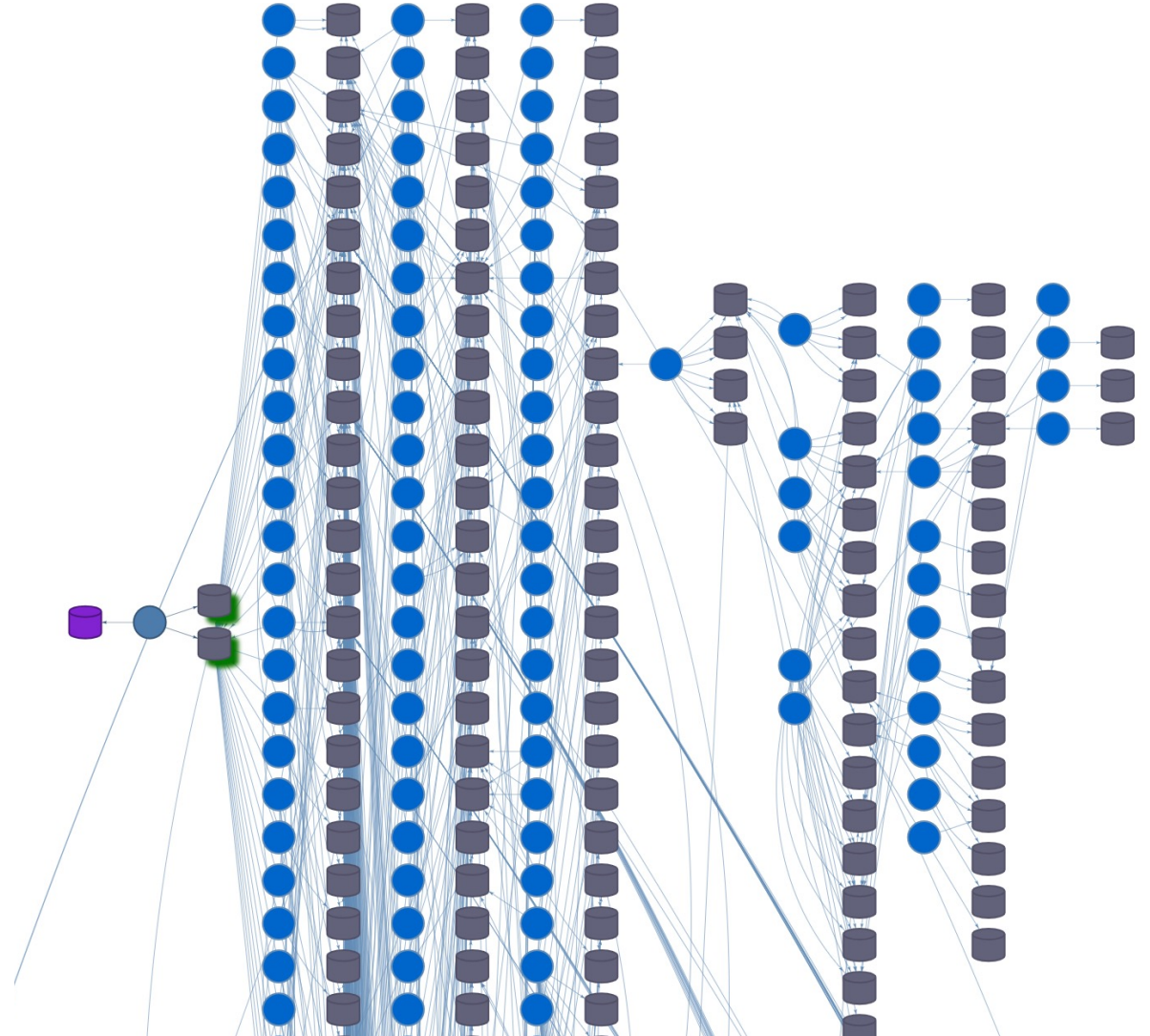
What is Data Positioning System?

- It's a solution developed to address our Data 360 needs.
- DPS is much more than a Data Catalog.
- It's the intelligence layer that gathers, connects and serves the metadata generated by *Data Assets*, *Data Integration Processes*, *Users* and *Infrastructure* of our Data Platform.



How is it solved?

- Custom built Search driven product.
- Tenant based Architecture.
- Event driven and Push mechanism based.
- Generic and comprehensive event schema design.
- Hybrid data model.



DPS – Goals & Use cases

Goals:

1. **Transparent** : *Users see what Platform/Data Engineers see*
2. **Self-service** : *Search driven answers when you need*
3. **One-stop** : *Comprehensive information about Data Assets, Data integration processes, People, Infrastructure, Usage, operational stats, ...etc*
4. **Shared knowledge** : *Unlock pockets of knowledge from individuals/teams to everyone.*



Use cases:

1. **Data Discovery** : *Help users discover, and self serve 80% of general questions*
2. **Lineage** : *End to end Lineage for Data movement*
3. **Impact Analysis** : *Trace impact starting from any point of the platform*
4. **Optimization** : *Optimize data movement by identifying bottlenecks*
5. **Quality Control** : *Minimize spread of bad data downstream*
6. **Business Glossary**: *Table, Column, Job descriptions*



DPS – Search results

DPS

v2.0.9

Q

sample

X

Tags

RG

Resource

Data Assets

6

Jobs

1

Columns

4

j_sample_job_instance

sample-project/sample-folder

python

Metadata Updated on
Mar 21, 2022

DPS – Job Details Page

DPS
v2.0.9

sample

×

Tags

RG

< ⚙️

j_sample_job

Jobs • edw • python • j_sample_job_instance

Metadata Updated on
Mar 21, 2022 10:15 PM EDT

Description

Add Description

Last Run Completed On:
Mar 22, 2022 9:16 AM EDT

Status:
Success

Data Current As Of:
Mar 22, 2022 8:36 AM EDT

Tags

+ New

1

2

3

4

5

6

7

8

⌵

■ Source Table

■ L1/L2/L3/L4 Table

■ EDW Table

● Ingestion Job

● EDW Job

● L3 Job

● L4 Job

Plot downstream lineage from this job

□

−

+

sample_t...

sample_t...

sample_t...

j_sample...

sample_t...

reads

reads

reads

writes

>

↓

asurion

Asurion_Public 12


DPS – Column Details page

DPS
v2.0.9

Search for data resources...

Tags


RG

<  **sample_table1**

Data Assets • l2 • parquet • non-prod-host • sample_db • na

Metadata Updated on
Mar 22, 2022 7:03 PM EDT


Description
[Add Description](#)

Tags 


+ New

Jobs Writing To This Table 0


Jobs Reading From This Table 1

 [j_sample_job_instance](#)


Columns 8

 sample_column1


timestamp

 sample_column2


varchar(200)

 sample_column3


varchar(100)

 sample_column4


varchar(20)

 sample_column5


varchar(30)

 sample_column6

int

 sample_column7

timestamp

 sample_column8

varchar(30)

Description: N/A

Business Description:
Sample description update

Transformation: N/A


DPS – Column Description update

DPS
v2.0.9

Search for data resources...

Tags

RG

< 


sample_column8

Metadata Updated on
Mar 26, 2022 11:28 PM EDT

Data Assets • parquet • non-prod-host • sample_db • na • l2 • sample_table1

Description

Add Description

Business Description 


Sample description update

Update

Cancel

Data Type

varchar(30)

Tags 

+ New

Transformation

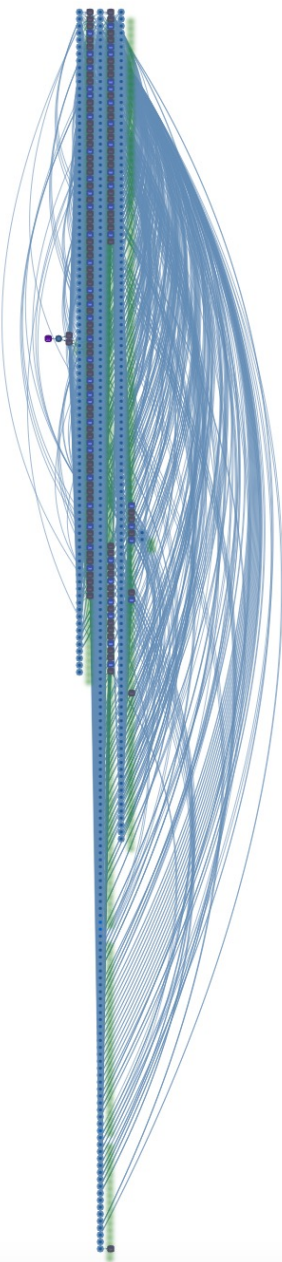
Add Description

DPS – Complex lineage

Tags

+ New

1
2
3
4
5
6
7
8
✕



DPS – Impact

2x



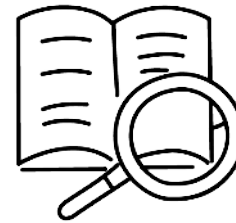
Trust

3x



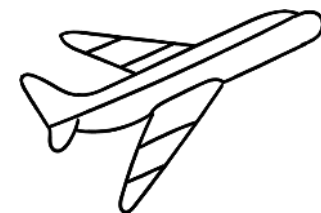
Data Quality

10x



Impact Analysis

3x



Onboarding

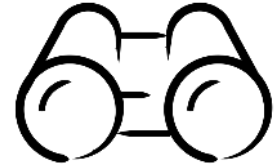
DPS – Key Differentiators



Real-time indexing



Hybrid Data Model



Beyond Data catalog

Questions?

02

Backup slides