

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.

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WE OFFER:



Protection & insurance plans



Repair & replacement services



24/7 live tech help



Setup & installation

FOR:



Phones



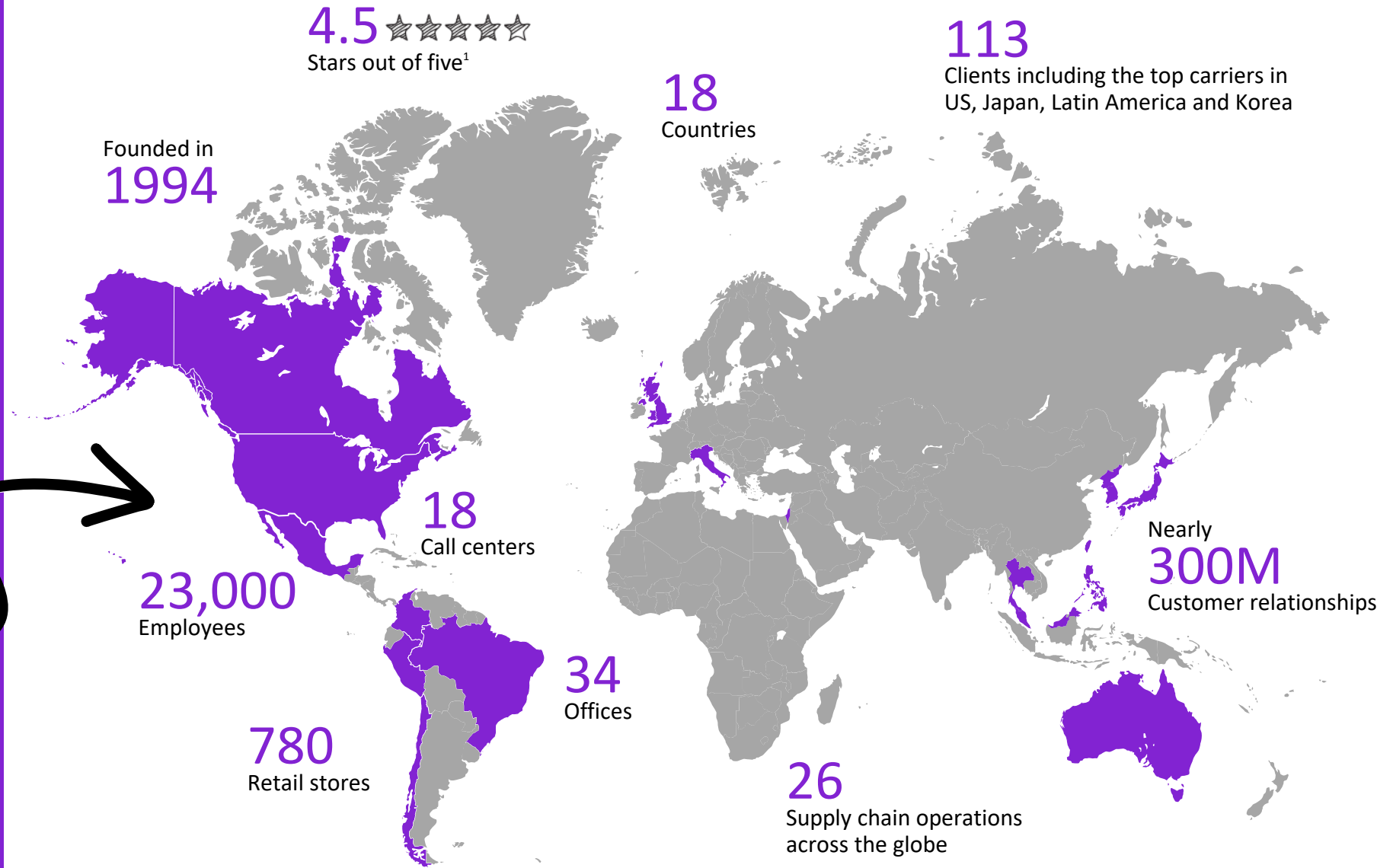
Connected home tech



Major appliances

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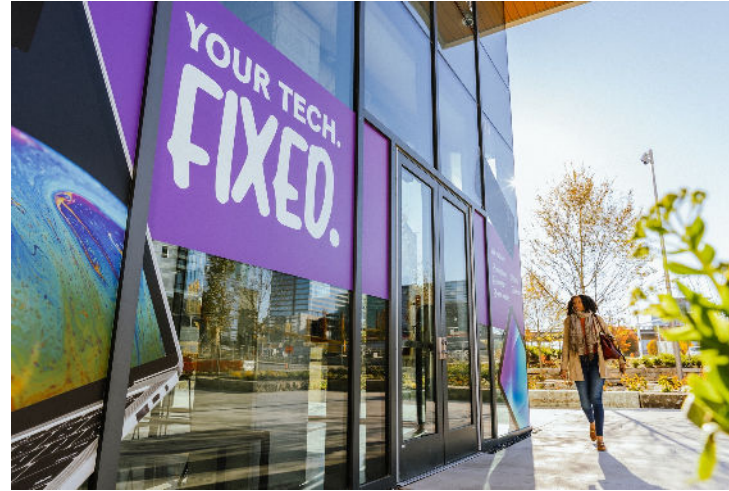
We operate
on a global
scale



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



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We have built long-term partnerships

Mobile | Telco | Cable



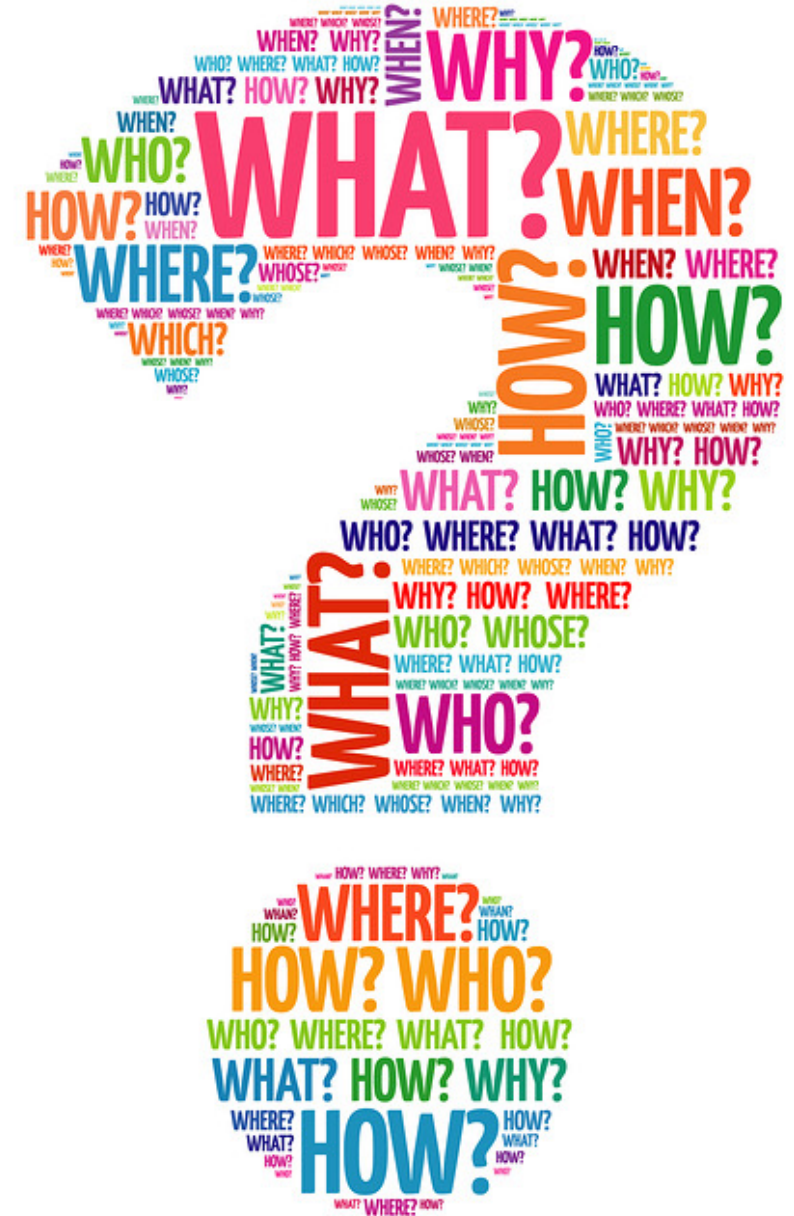
Retail | OEM



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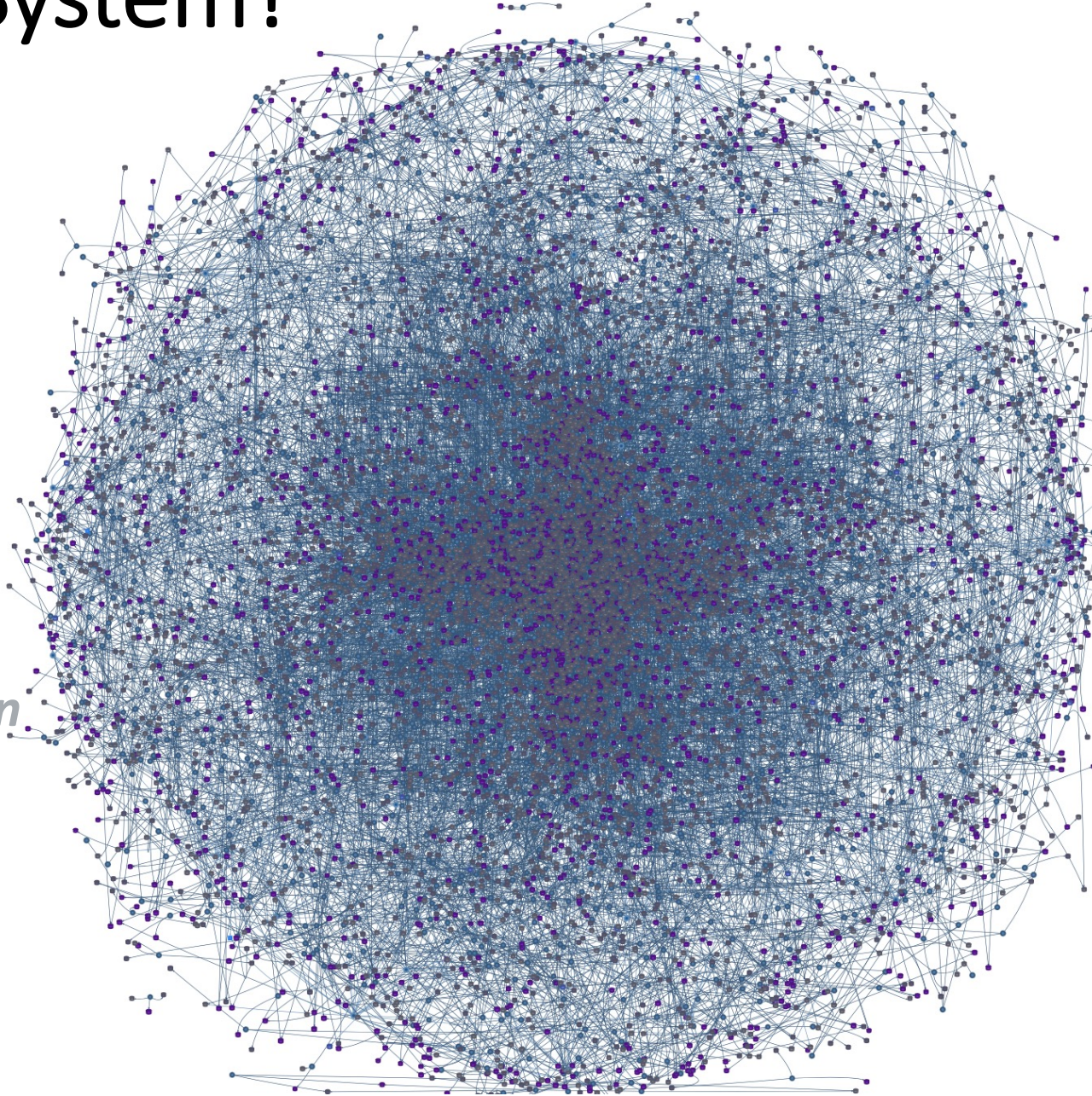
Why DPS?

- 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.



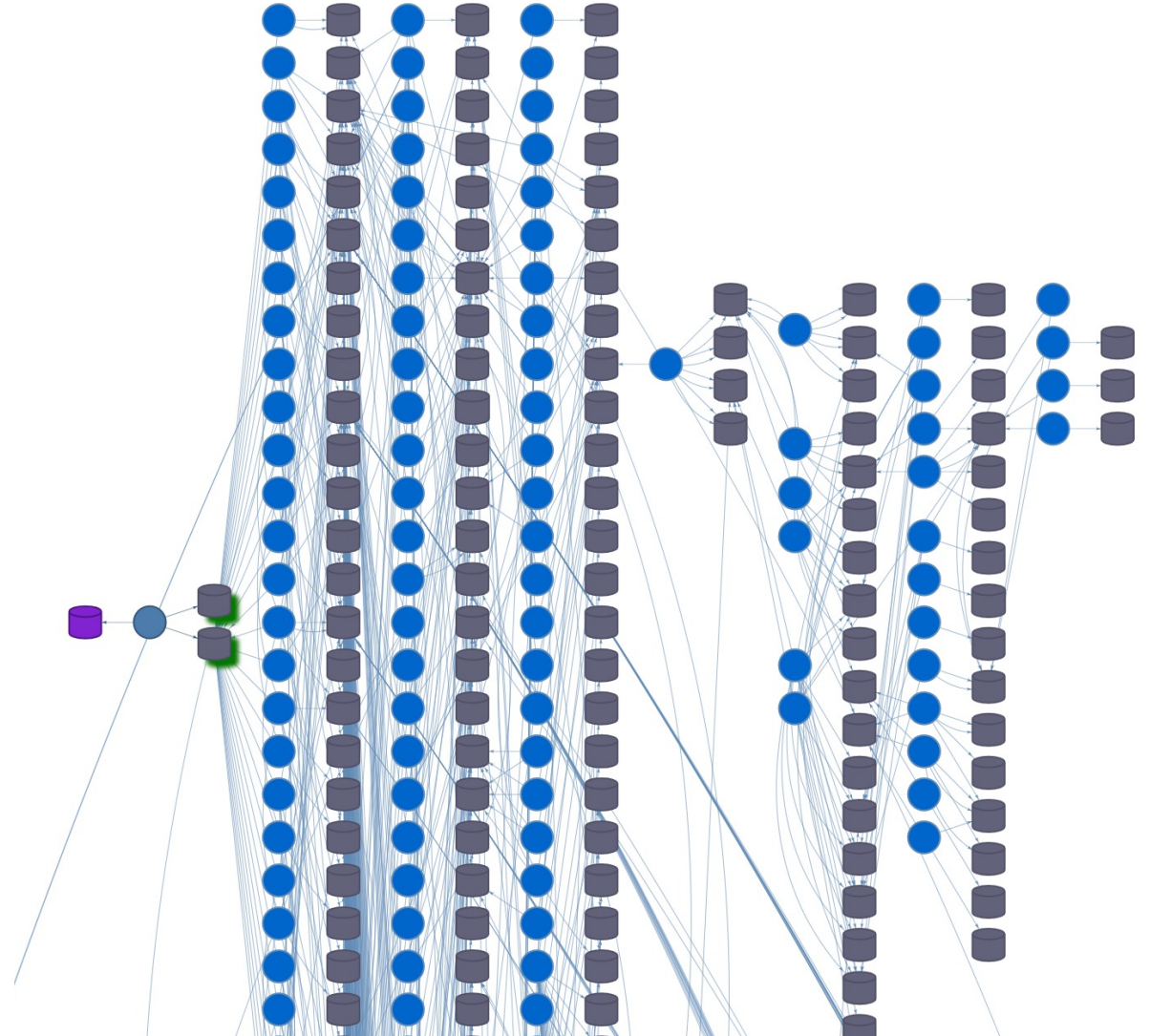
What is Data Positioning System?

- 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

sample

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



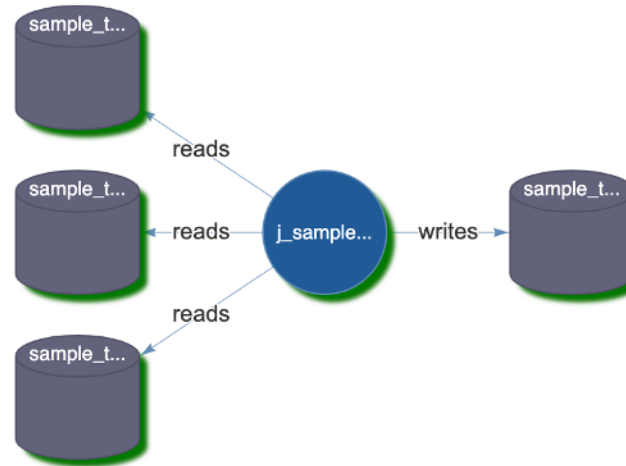
Tags

+ New

■ Source Table ■ L1/L2/L3/L4 Table ■ EDW Table ● Ingestion Job ● EDW Job ● L3 Job ● L4 Job

1
2
3
4
5
6
7
8
⋮


[Plot downstream lineage from this job](#)



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DPS – Column Details page

<  **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 

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**

Data Assets • parquet • non-prod-host • sample_db • na • I2 • [sample_table1](#)

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

Description

[Add Description](#)

Business Description

Sample description update

Update

Cancel

Data Type

varchar(30)

Tags

+ New

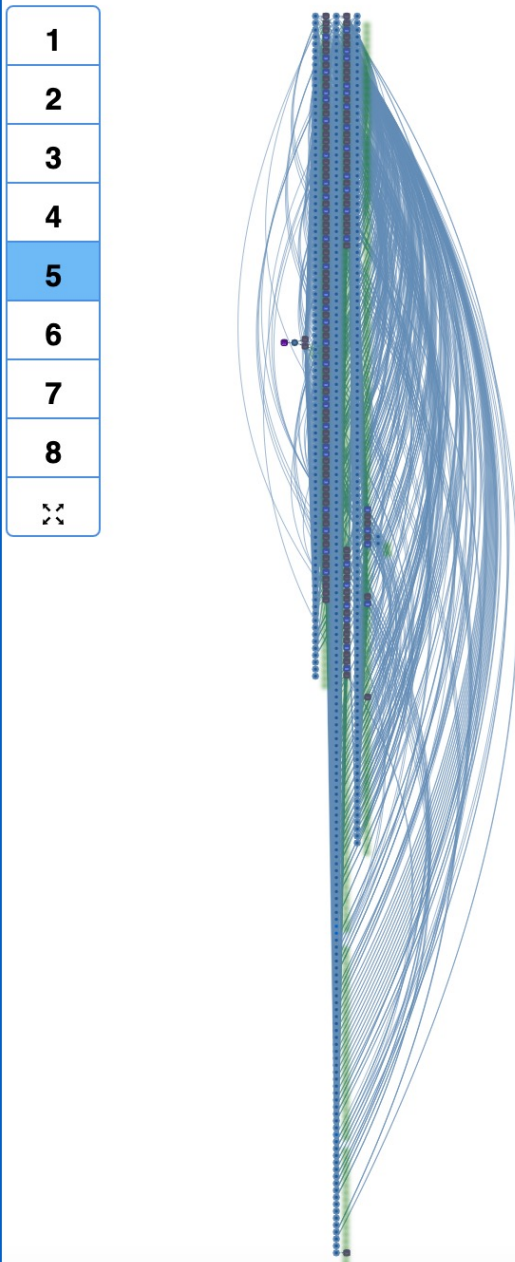
Transformation

[Add Description](#)

DPS – Complex lineage

Tags 

+ New



DPS – Impact

2x



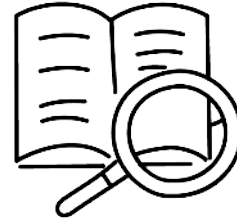
Trust

3x



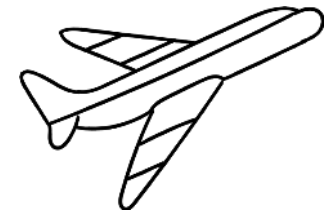
Data Quality

10x



Impact Analysis

3x



Onboarding

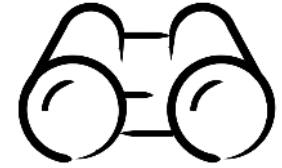
DPS – Key Differentiators



Real-time indexing



Hybrid Data Model



Beyond Data catalog

Questions?

02

Backup slides