Data Clean Rooms Powered by Snowflake

What is Snowflake?

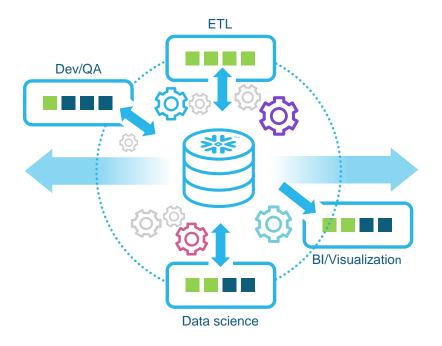
- ✓ Single, unified cloud data platform
- ✓ Cloud agnostic
- ✓ Self-managed
- ✓ Cross-region & cross-cloud data access & collaboration
- OPTIMIZATION

 MANAGEMENT

 TRANSACTION

 SECURITY & COMPRISED TO SECURITY & COMP

- ✓ One engine for every workload
- ✓ Leading performance and concurrency
- ✓ Accessible & programmable
- ✓ Instant, efficient & near-infinite scale



Know About Data Clean Room



Why Do We Need Data Clean Room?

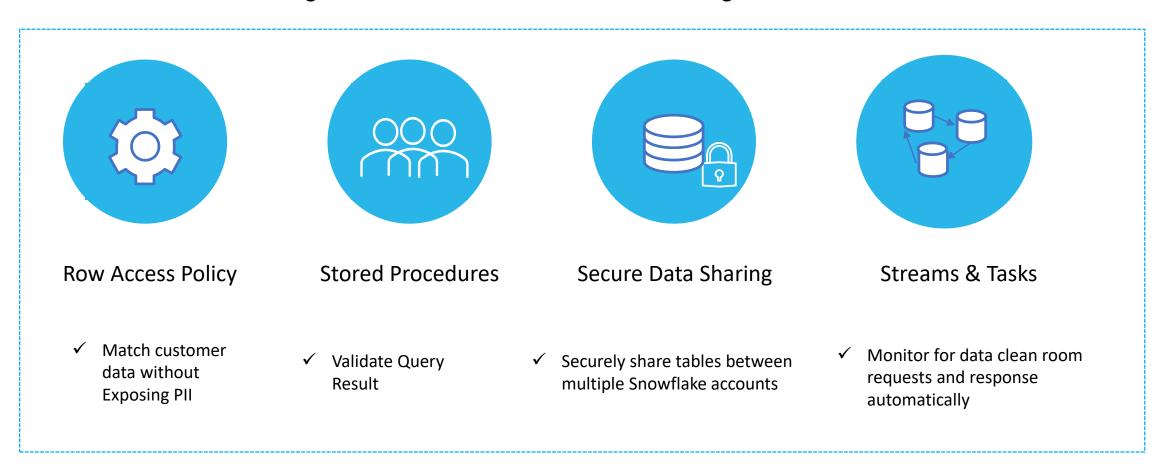
Because of compliance regulations & user data Privacy Laws such as:

- ✓ CPRA: California
 Privacy Rights Act
- ✓ GDPR: General Data Protection Regulation

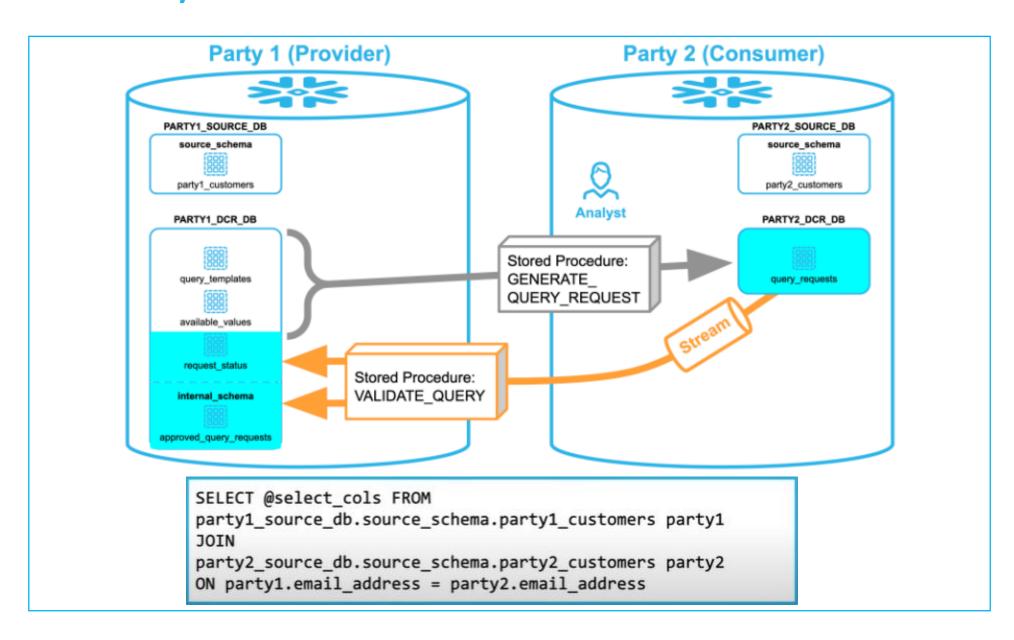
Due to the upcoming end of third-party cookies support by browsers, businesses are looking for ways to continue their advertising processes, such as ad targeting and measurement, while respecting users' privacy at the same time.

Snowflake Features: DCR Implementation

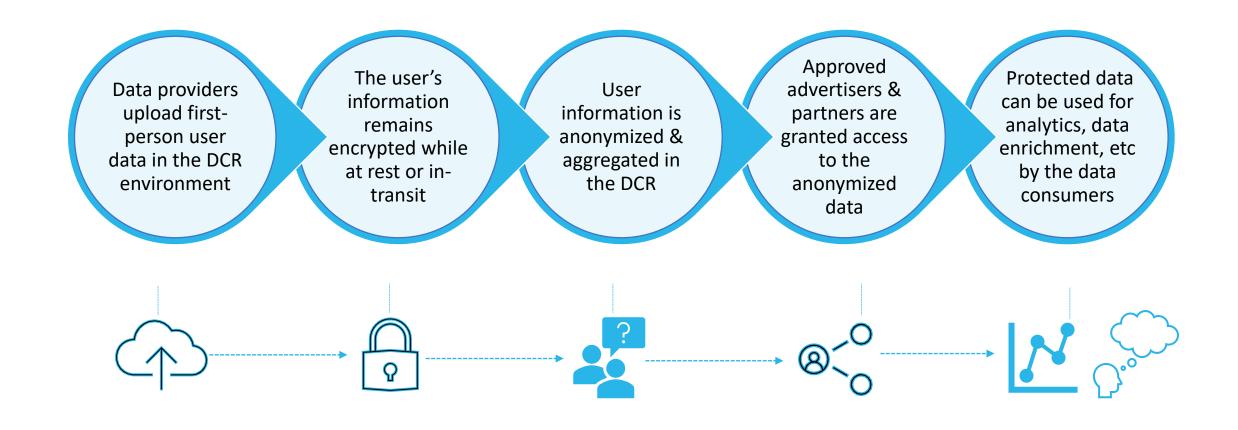
- ✓ DCR is not a separate product
- ✓ It is a framework built using Snowflake features
- ✓ It is a solution that leverages core Snowflake collaboration and data governance features



DCR Powered By Snowflake: Architecture



How do Data Clean Rooms Work?



Benefits of DCR

DCR provides the following benefits to the marketer, advertisers, and data providers:

Regulatory Compliance

Share data being compliant with privacy regulations such as GDPR, CPRA

Data Monetization

Provides a platform to securely share data without revealing the underline data

Security

No data movement is required for collaborations

Privacy-Friendly

Protect against reverse engineering or re-identification of highly sensitive data by limiting the types of queries that can be run on the data

Quick & Easy Setup

DCR can be set up in a few hours.

Cookies Less Solution

Advertisers can run personalized ads, measurements, and attribution without third-party cookies.

DCR Industry Case Study

Publishers Leveraging Snowflake Clean Room

Media Publisher	Referenceable partners	ble partners Description			
Olivey, Ad Soles	Omnicom Media GroupDrivetime	Leveraging the power of the Media Data Cloud, Disney Ad Sales has launched an innovative new advertising platform using Snowflake's clean room technology	Habu		
NBCUniversal	Omnicom Media Group	Announcing the NBCU Audience Insights Hub, built on a data clean room environment powered by Snowflake, that unlocks data interoperability between NBCUniversal and its advertising ecosystem partners	Owned and Operated		
Roкu	 Omnicom Media Group dentsu Horizon Media Icon Media Direct Camelot 	Roku announces a clean room that allows advertisers on the streaming platform to find and target CTV viewers they already have a relationship with through other channels, built on the Media Data Cloud	Owned and Operated		
OPEN A.P.	FoxNBCUParamountWarner BrosDiscovery	OpenAP announces the OpenAP Data Hub, a cross-platform and cross-publisher clean room solution for enhanced audience building, activation and measurement for television, built on Snowflake's Media Data Cloud. OpenAP will release the first of several planned capabilities for production use at the start of Broadcast Year 2023.	Owned and Operated		

Application Partners Building on Snowflake Clean Room



3451°

84.51 is a retail, data science, insights and media company that leverages Snowflake Data Clean Rooms to securely share data in a privacy-centric way with their CPG customers to create richer insights and knowledge about customers and deliver personalized experiences for shoppers.



Neustar Unified Identity is native to Snowflake Marketplace and enables advanced identity resolution in through Snowflake's clean room capabilities. These capabilities allow customers to better protect and govern their consumer data assets, power privacy-enhanced data collaboration with brands and publishers, and enable continuous, real-time data updates.

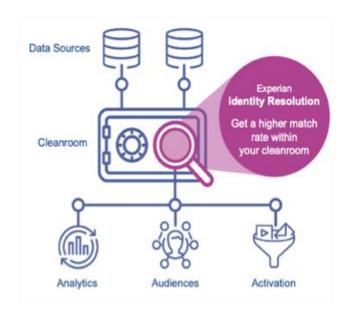


Via a multi-party cloud environment, Videoamp allows advertisers to holistically measure their own advanced audiences across traditional linear TV, connected TV, and online video.

Application Partners Building on Snowflake Clean Room

Experian Identity
Resolution on Snowflake

Achieve higher match rates within a clean room.



Being able to match distributed audiences and expose overlapping trends such as buying traits and behaviors, it allows users to:

- Create new audiences
- Gain insightful measurement quickly
- Explore predictive modeling
- Improve audience targeting efforts

Example Use Case: Focused HCP Targeting

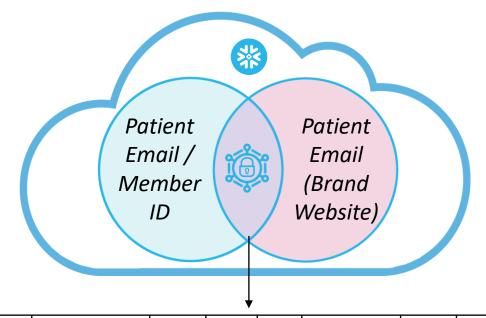
Healthcare Payer / Provider

Objective:

- Provide effective, value-based care
- Accelerate the patient journey
- Manage risk
- Maintain patient privacy, compliance with PHI, HIPAA, etc

Data:

 Patient ID, patient email address, age range, associated attending physicians, NPI #



NPI#	нсо	ZIP	Target	KOL	Therapeutic Area	Patients / Week	Last Activity Date
1234567890	RWJ Barnabas	08901	Υ	1	Oncology	75	8-May
9876543210	Kaiser Permanente	98004	Υ		Neurology	26	31-Jul
1112223334	Advocate Aurora	60504	N		Cardiovascular	61	3-Sep
8675309111	Memorial Sloan Ket	10065	Υ		Oncology	53	14-Apr
1010101010	Univ of Penn Med	19106	N	1	Immunology	17	7-Jan

Brand / Pharma

Objective:

- Identify specific HCP's to target for focused engagement
- Better predict return on advertising spend
- Attain timely, granular attribution analytics

Data:

 Web traffic, Brand portal interaction, patient email address

Redacted to reduce the risk of re-identification

CROSS-INDUSTRY USE CASES



Advertising

- Audience insights
- Segmentation
- Measurement (reach & frequency analysis)
- Multi-touch attribution
- Activation



Retail & CPG

- Optimize their marketing and promotional activities
- Product decisions (new product categories to enter)
- Supply chain decisions (how much to distribute to which distribution center).



Life Sciences & Healthcare

- Clinical trials analysis
- Population selection
- Efficacy measurement
- Safety analysis
- Drug discovery



Financial Services

- Fraud detection modeling
- Anti-Money Laundering (AML) compliance.
- Securely share sensitive position and portfolio data for risk analysis, exposure analysis, regulatory, and settling activities



Government

Allow different agencies to share data with each other, e.g. surveillance, communications, watch lists, monitoring, aerial images, video, audio, and language translation.

DCR Use Cases

Customer Enrichment & Customer Overlap

The Consumer can enrich their data from the Provider's data already available in the DCR environment through various predefined query templates.

Monetize Data

The Data providers can upload their data into the DCR environment & monetize their data without moving their data or exposing PII

Run an AD campaign

Advertisers can collaborate with Data providers/publishers to run an AD campaign on their selected consumers

Resources to Explore more on DCR

- https://www.snowflake.com/blog/data-clean-room-explained/
- https://www.snowflake.com/trending/data-clean-room-for-business-growth
- https://quickstarts.snowflake.com/guide/build a data clean room in snowflake advanced/#0