

Capstone project

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Data Engineering Bootcamp

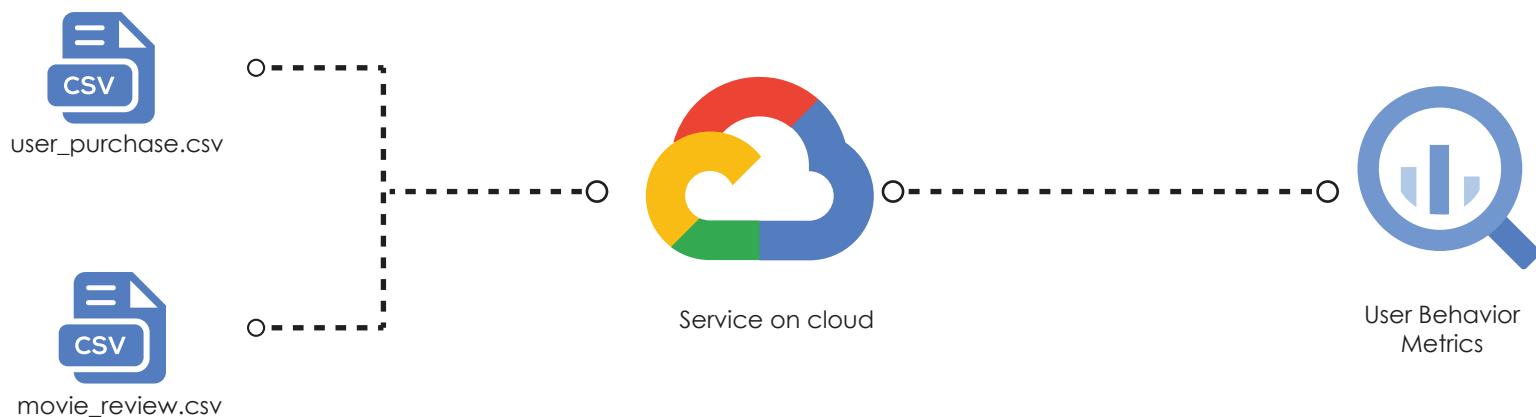


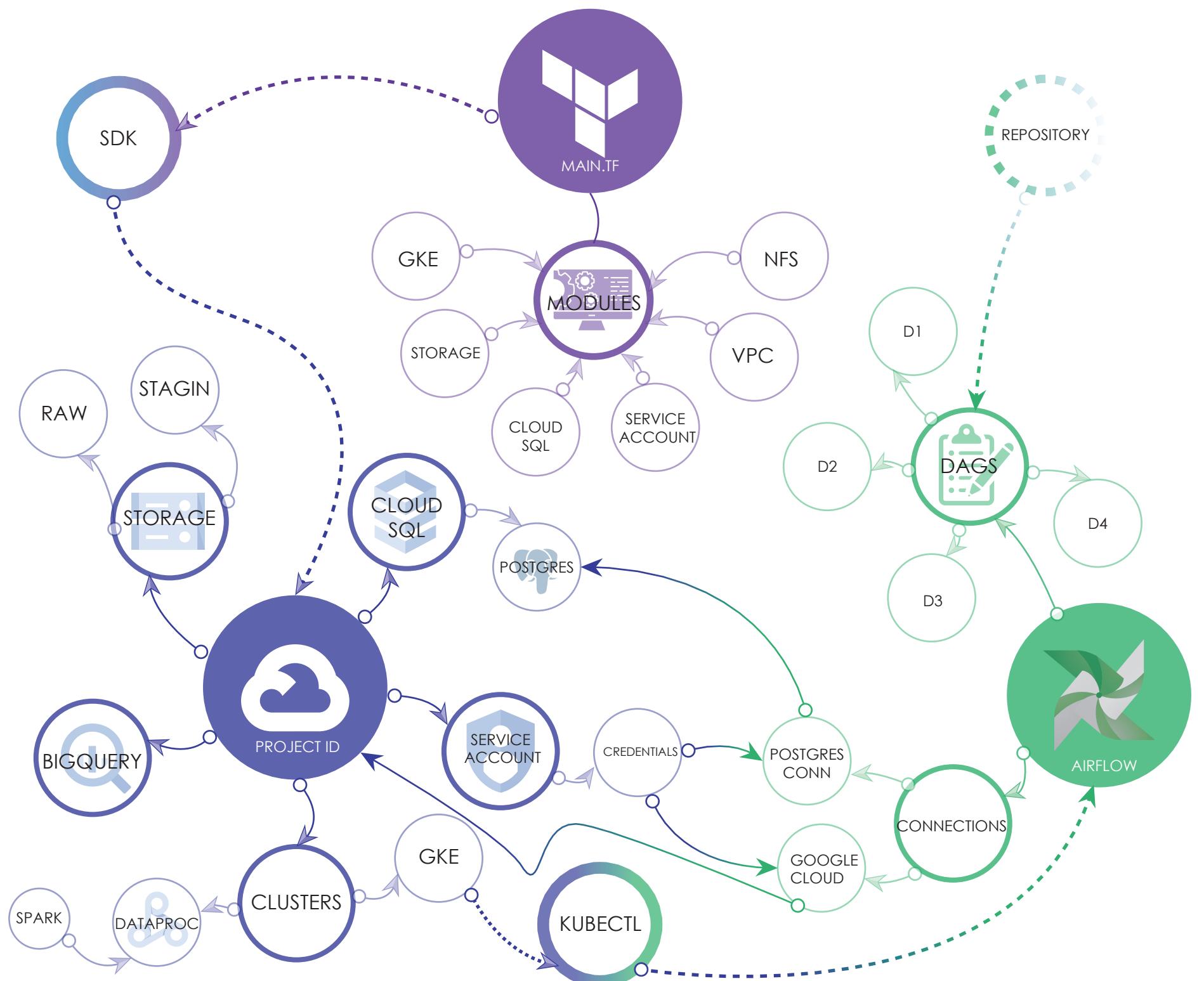
Exploratory Analysis

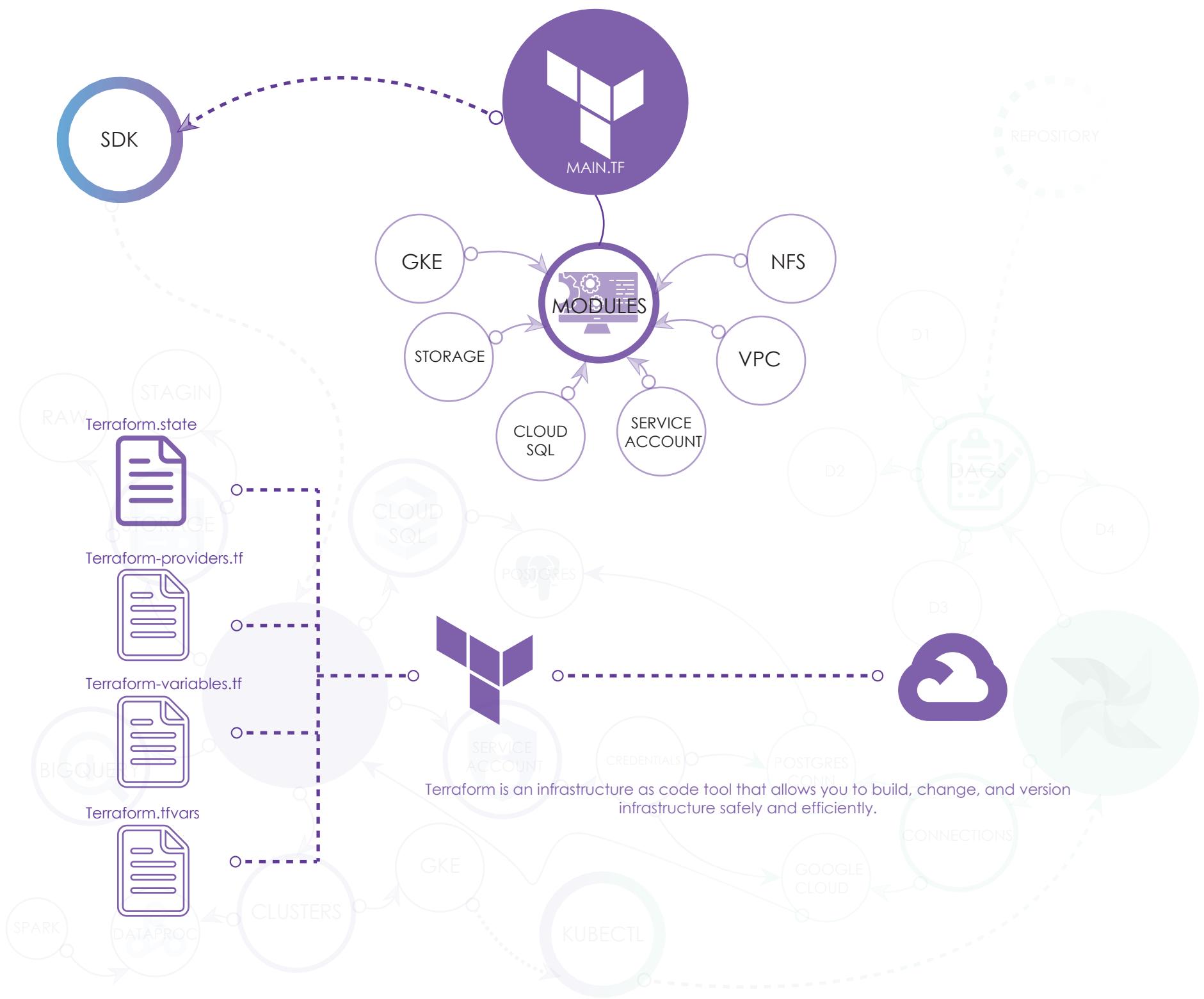
The Customer Service team wants to analyze the products and reviews for their clients using their data and to create an exploratory analysis.

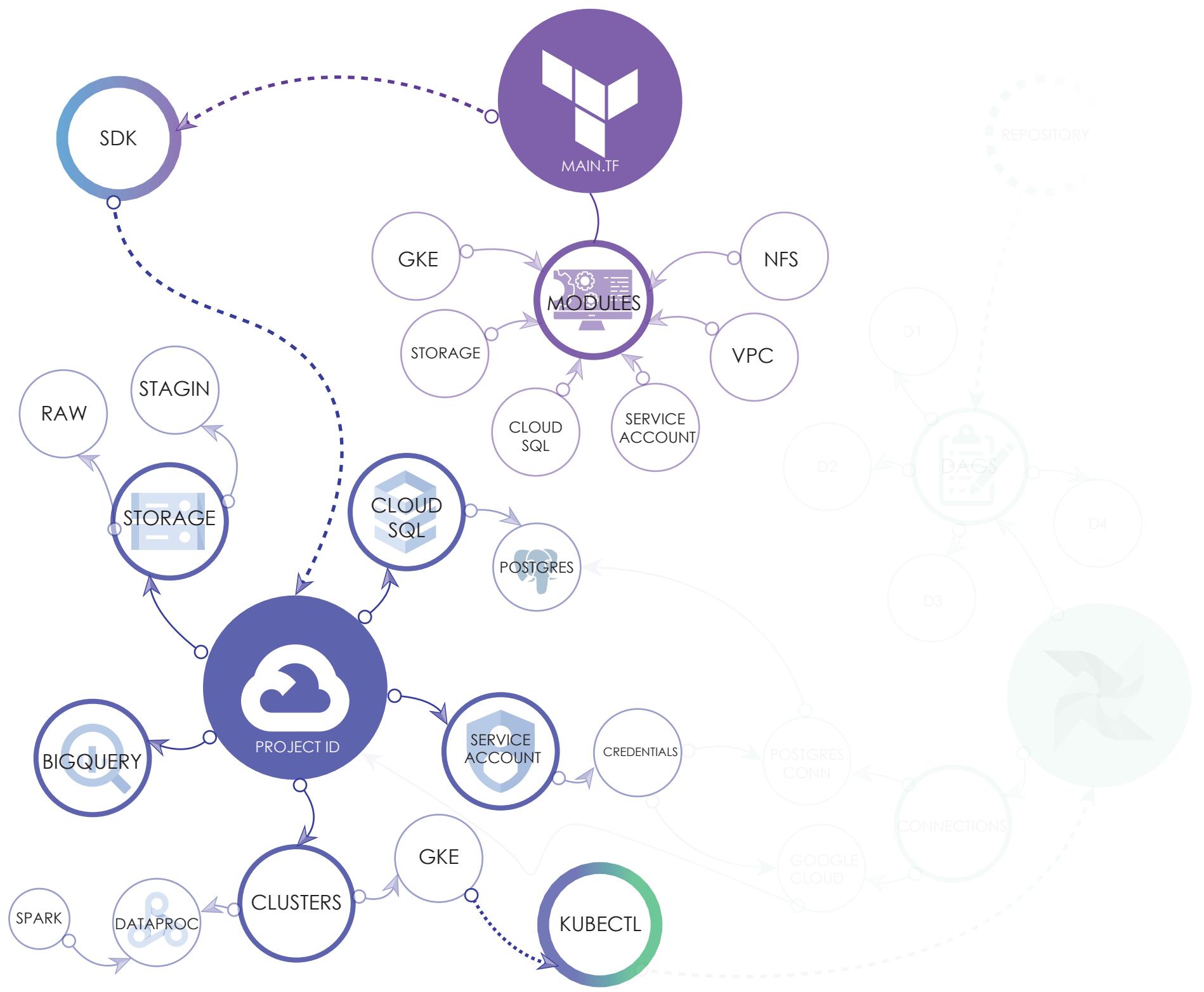
Objectives

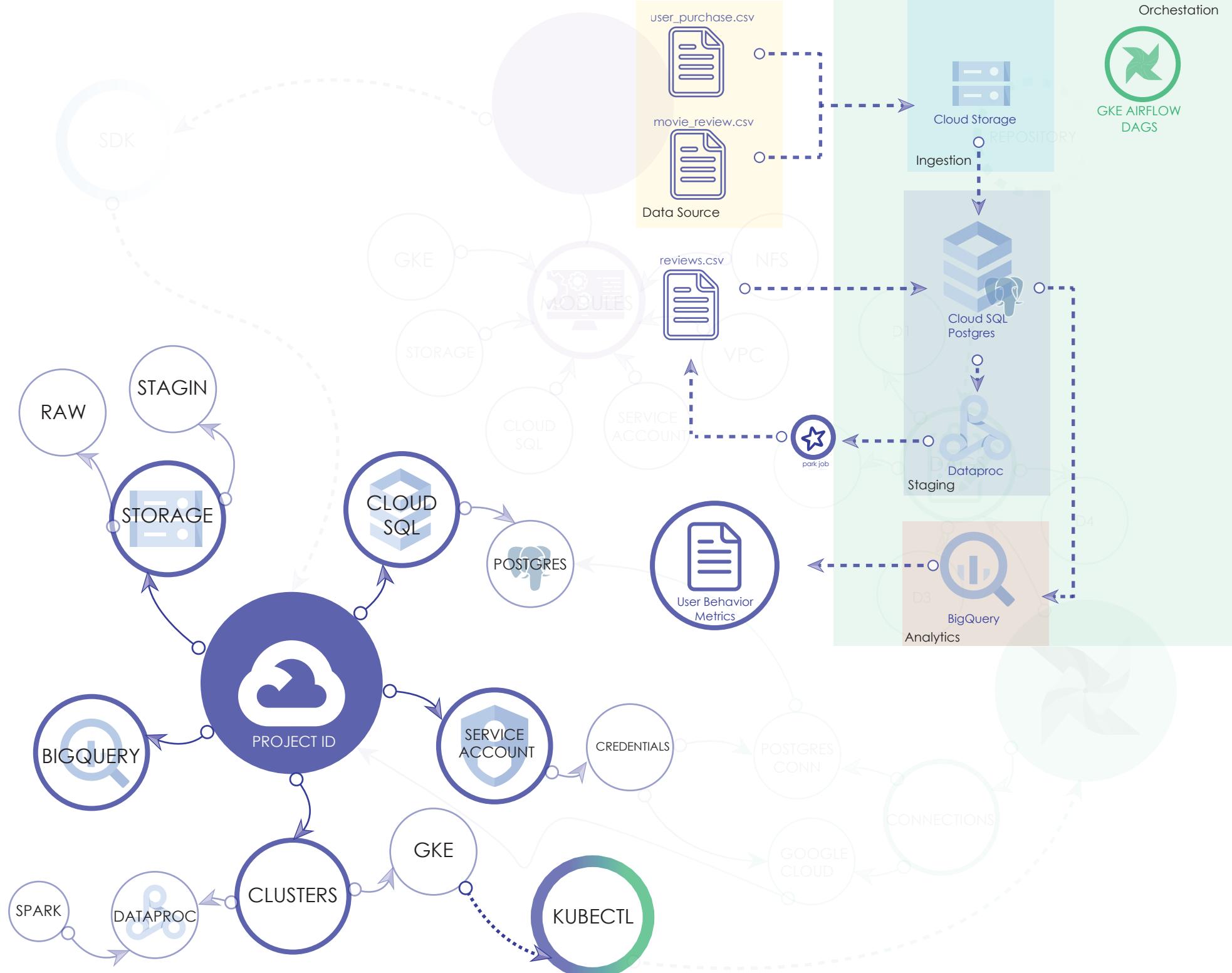
Make an automation process create an infrastructure in a cloud service and run a pipeline to process raw databases and storage in a data warehouse.

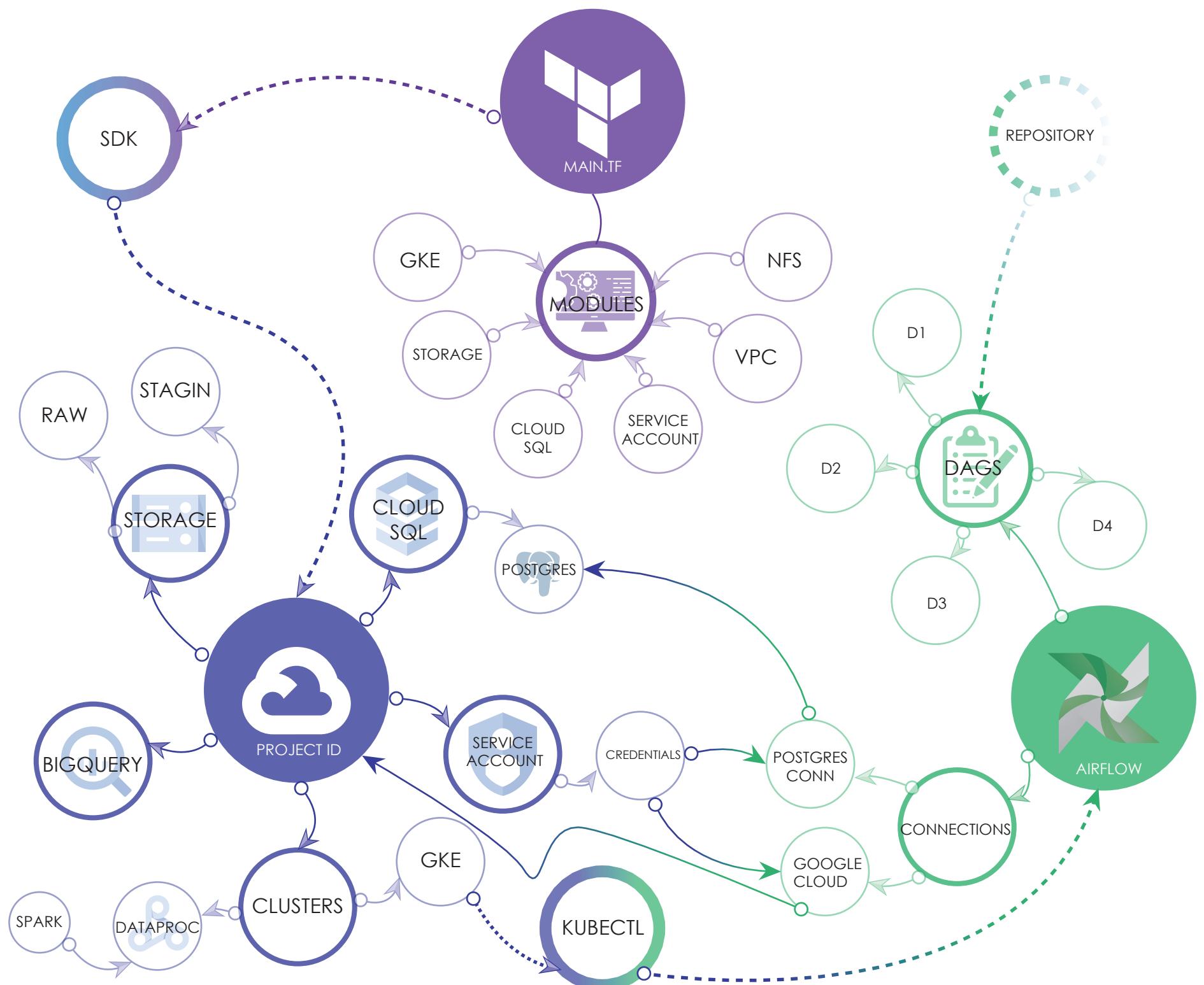






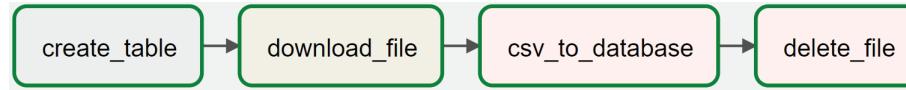








Insert_user_purchase_postgres

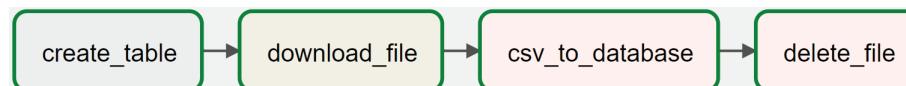


Data Output Explain Messages Notifications

invoice_number	stock_code	detail	quantity	invoice_date	unit_price	customer_id	country
character varying (255)	character varying (255)	character varying (255)	integer	timestamp without time zone	numeric	integer	character varying (255)
1 536365	71053	WHITE METAL LANTERN	6	2010-12-01 08:26:00	3.39	17850	United Kingdom
2 536365	84406B	CREAM CUPID HEARTS COAT HANGER	8	2010-12-01 08:26:00	2.75	17850	United Kingdom
3 536365	84029G	KNITTED UNION FLAG HOT WATER BOTTLE	6	2010-12-01 08:26:00	3.39	17850	United Kingdom



Insert_movie_review_postgres



Data Output Explain Messages Notifications

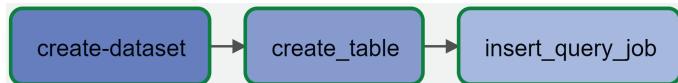
cid	review_str
integer	character varying
1 15738	This is an example of why the majority of action films are the same. Generic and boring, there's really nothing worth watching here. A complete waste of the then barel
2 15727	First of all I hate those moronic rappers, who couldnt act if they had a gun pressed against their foreheads. All they do is curse and shoot each other and acting like cli
3 17954	Not even the Beatles could write songs everyone liked, and although Walter Hill is no mop-top he's second to none when it comes to thought provoking action movies.



positive_review_spark



user_behavior_metric_bigquery



FEATURES & INFO SHORTCUT DISABLE EDITOR TABS

Explorer + ADD DATA user_behavior_metric

Type to search

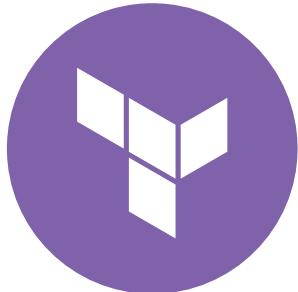
Viewing pinned projects.

gcp-terraform-pf External connections (1) metrics user_behavior_metric

SCHEMA DETAILS PREVIEW

Row	customer_id	amount_spent	review_score	review_count	insert_date
1	12875	129054.48	256	752	2021-11-29
2	17547	-5050.4	256	856	2021-11-29
3	17044	402048.64	1280	4480	2021-11-29
4	12386	149506.8	1280	3720	2021-11-29
5	15299	1560281.08	1536	4944	2021-11-29

Lesson Learned and next steps



A new tool to create infrastructure in the cloud using code to automate configurations in future projects



Better understanding of cloud services: costs, scopes and optimizations based on clusters



Found an efficient way to manage the tasks that need to be applied in a project

Thank you

I want to thank the mentors and the wizeline team for giving me the opportunity to be part of this course and I hope to keep in touch for new courses or projects.