



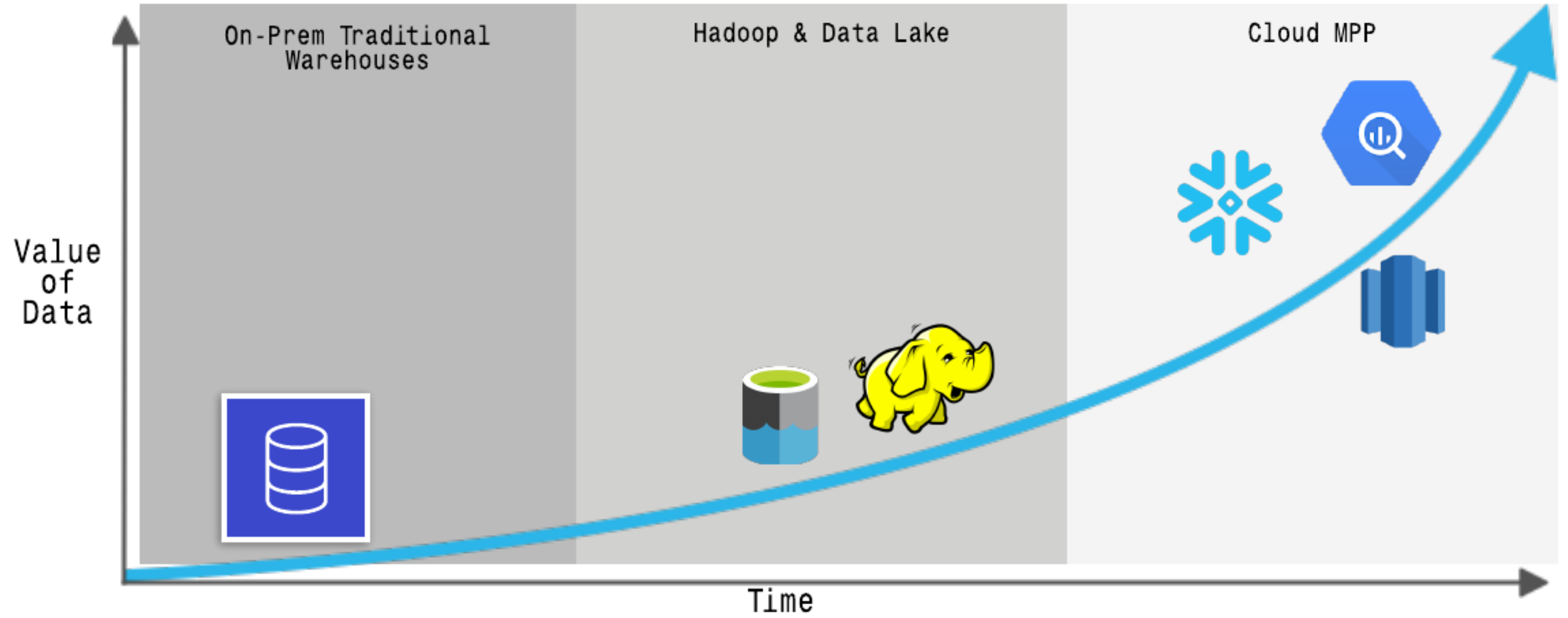
What is

Analytics Engineering?

## About me

- Lead data @ SnapTravel
- Stitch + Airflow + Snowflake + DBT stack
- Love helping people build their data stacks

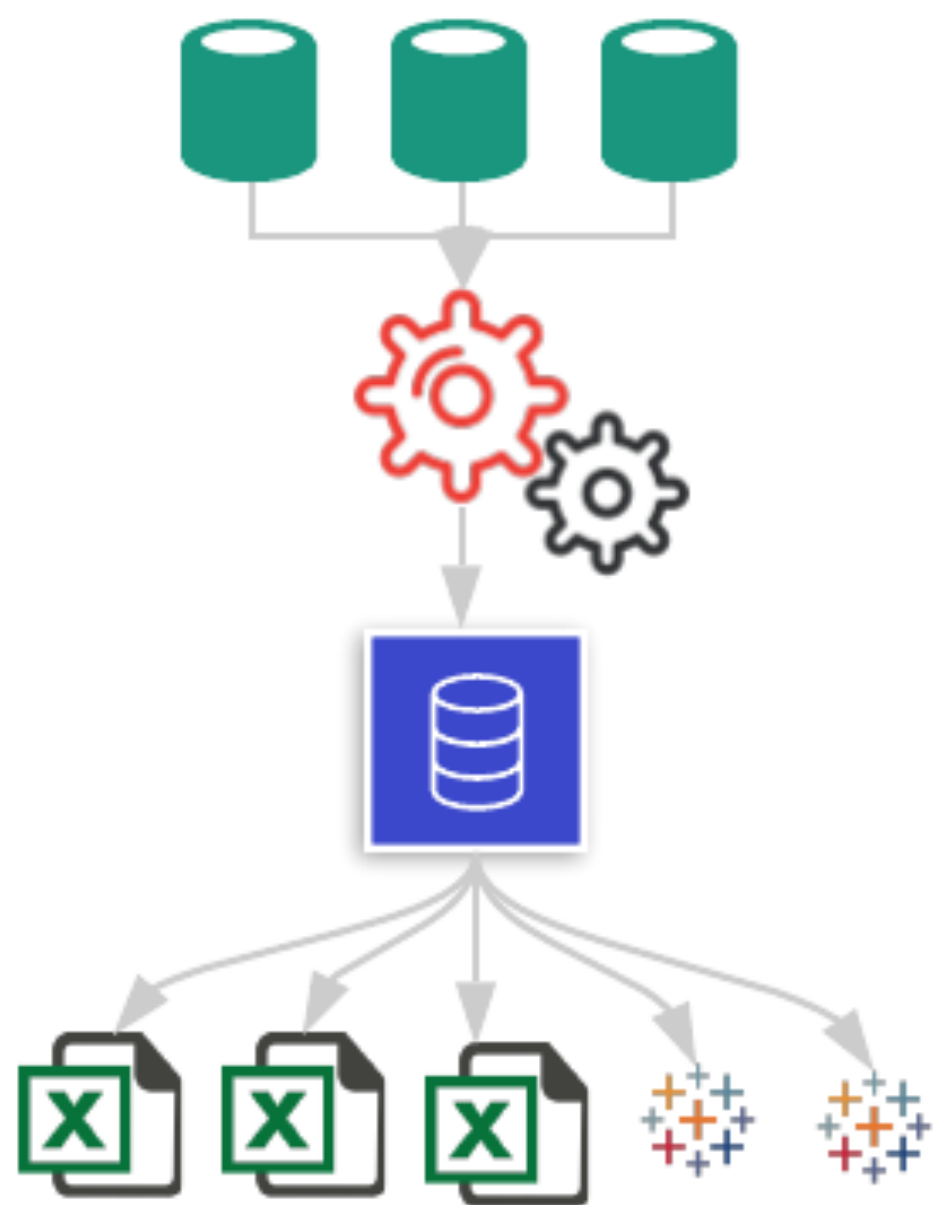
# Journey so far - Data Storage



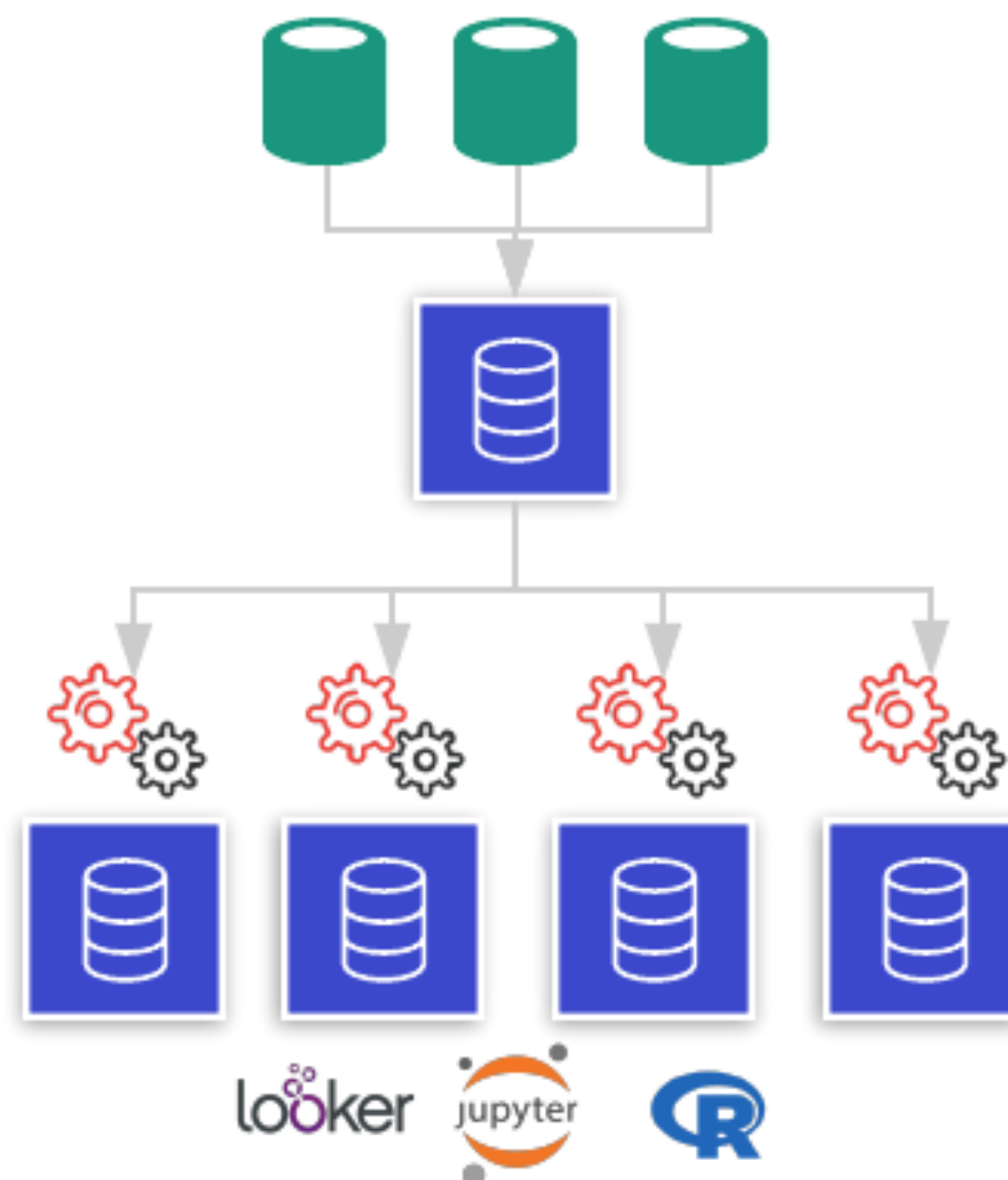
- MPP in the cloud
- Benefits
  - Costs
  - Low Infra complexity
  - SQL
  - Variety, Velocity



# Journey so far - Analytics



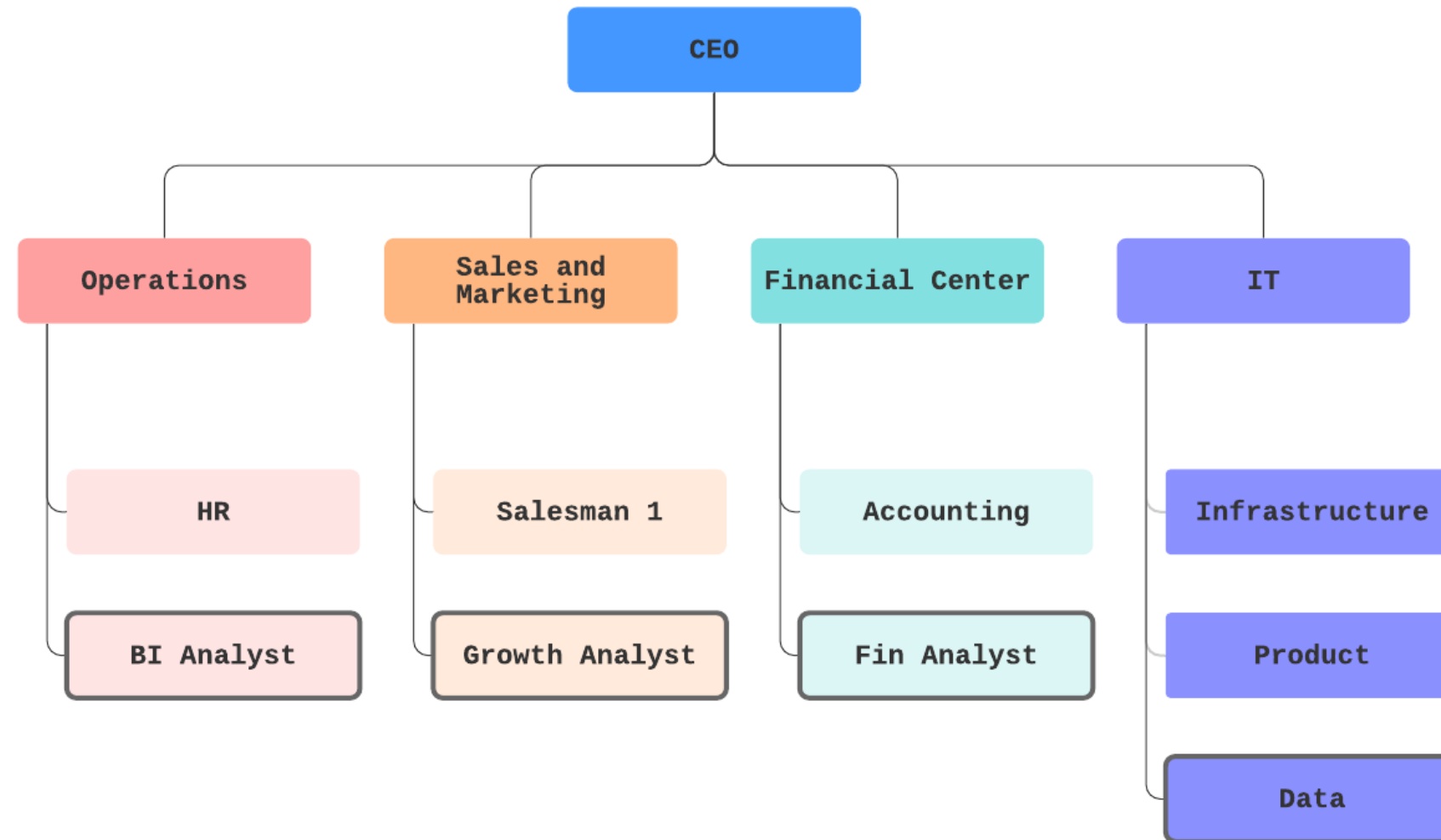
**Data Dictatorship**



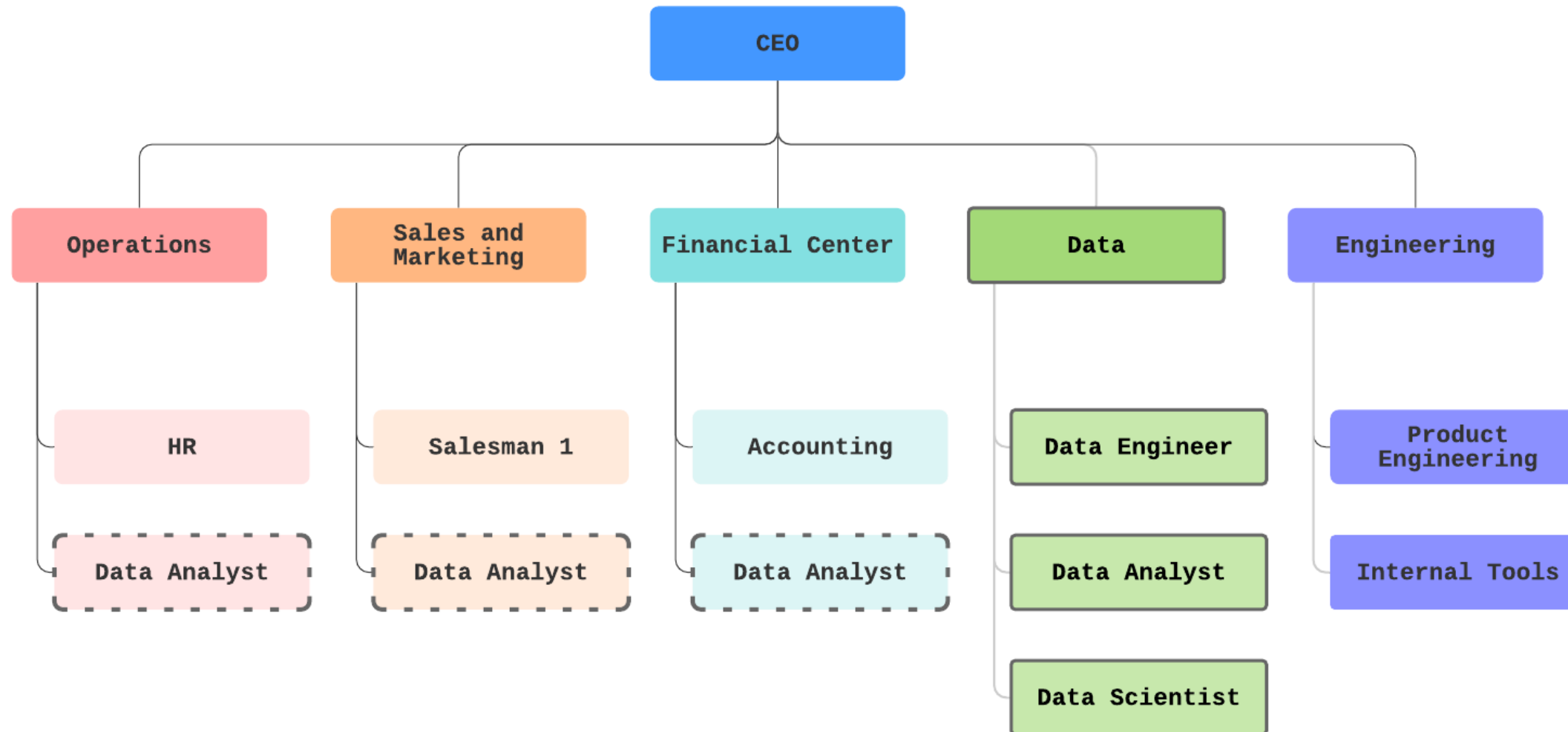
**Data Democracy**



# Journey so far - Data Teams



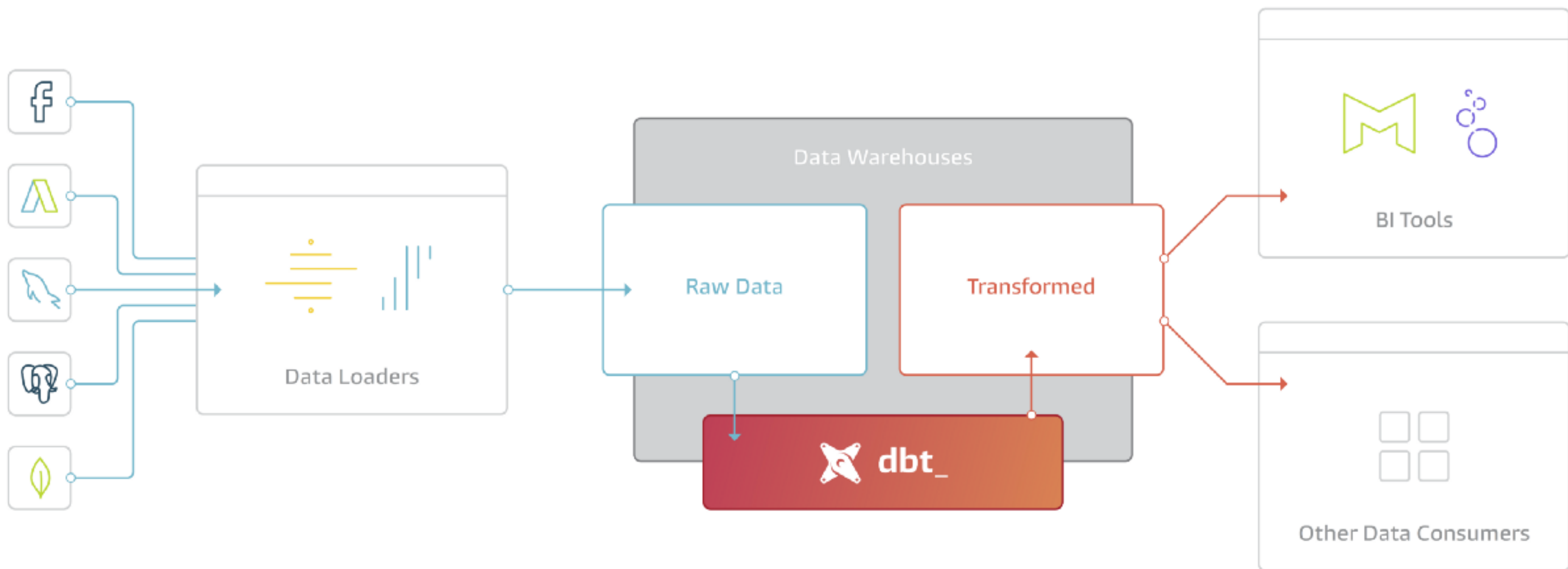
- Compute was expensive or complex
- Few Data team(s)
- Slow and bottleneck
- Away from domain experts



- Domain experts to work on data from source
- Collaborate via metadata
- Nimble
- Reuseable reports

# A modern analytics stack

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# A modern analytics stack

## Salient Features

- Consolidated data ingestion: Stitch Fivetran
- Data warehouse as service
- ETL -> ELT
- DBT to transform
- Mode, Looker, Sisense

# A modern data team

Data Engineer	Analytics Engineer	Data Scientist
Enablers		
Custom Data Integration		
Data Platform		
DW Optimization		
ML endpoints		
Data Security		

# A modern data team

Data Engineer	Analytics Engineer	Data Scientist
Enablers		Domain expertise with data
Custom Data Integration		Deep insight work
Data Platform		A/B Experiments
DW Optimization		Statistical/ML algos to solve business problems
ML endpoints		
Data Security		



# A modern data team

Data Engineer	Analytics Engineer	Data Scientist
Enablers	Clean and Modeled data	Domain expertise with data
Custom Data Integration	SDLC Analytics	Deep insight work
Data Platform	Data catalog	Predictions
DW Optimization	Self-serve BI platform	Staticical/ML algos to solve business problems
ML endpoints	Educate	A/B Experiments
Data Security		



## Things I propose we tease out

- Best practices to structure analytics repos/projects
- How to structure data teams?
- Data as a service vs Data as a product
- Data democratization strategies
- Observability/Trust in Data

# Future

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Where do we go from here?