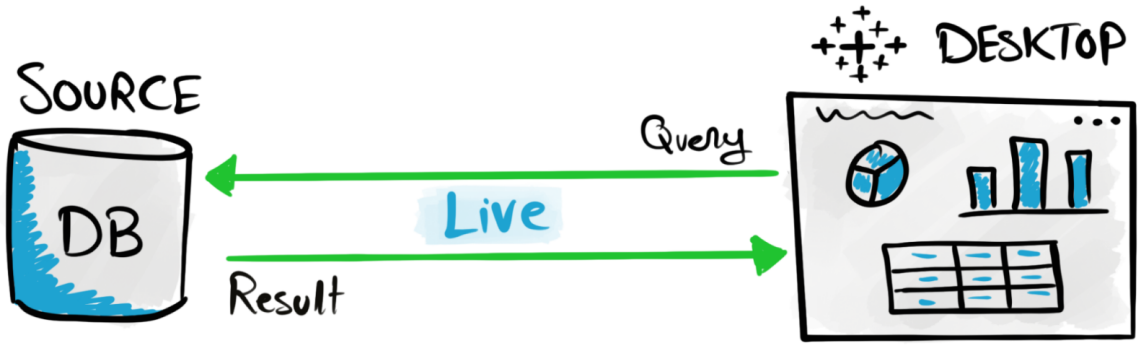
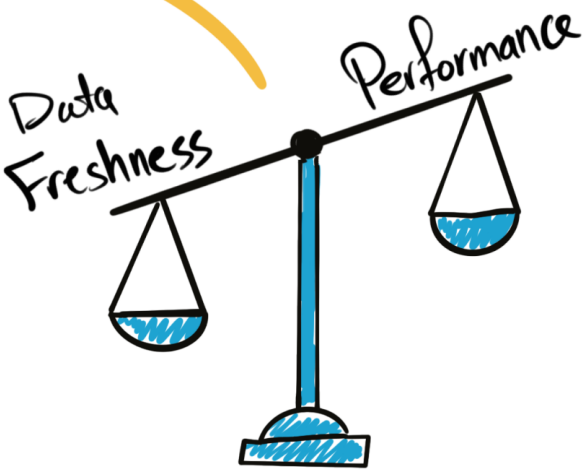
LIVE vs EXTRACT





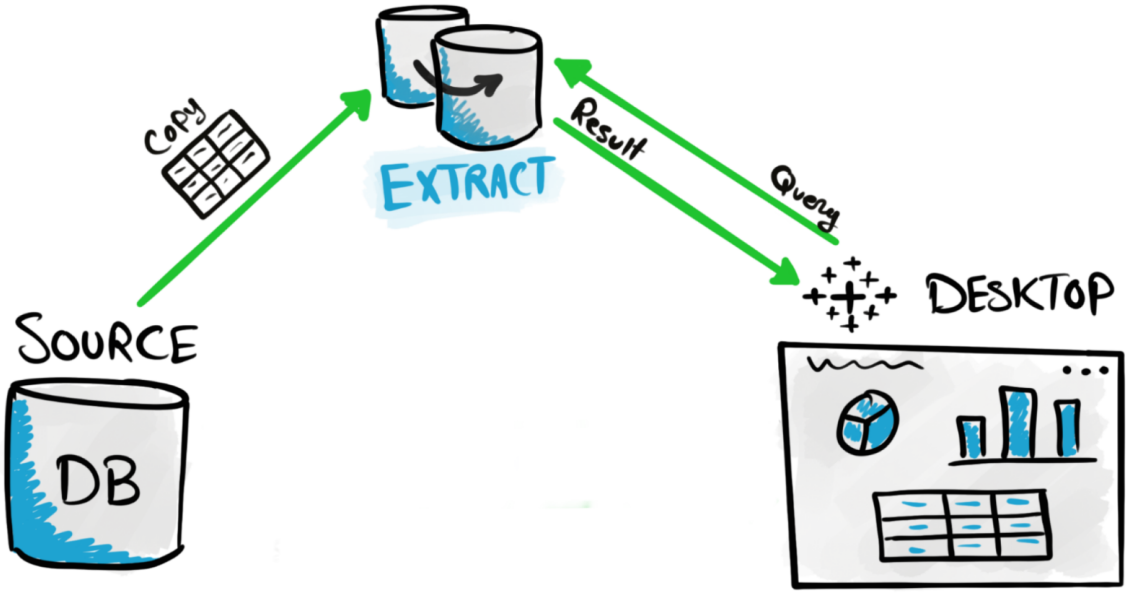


Tableau File Types

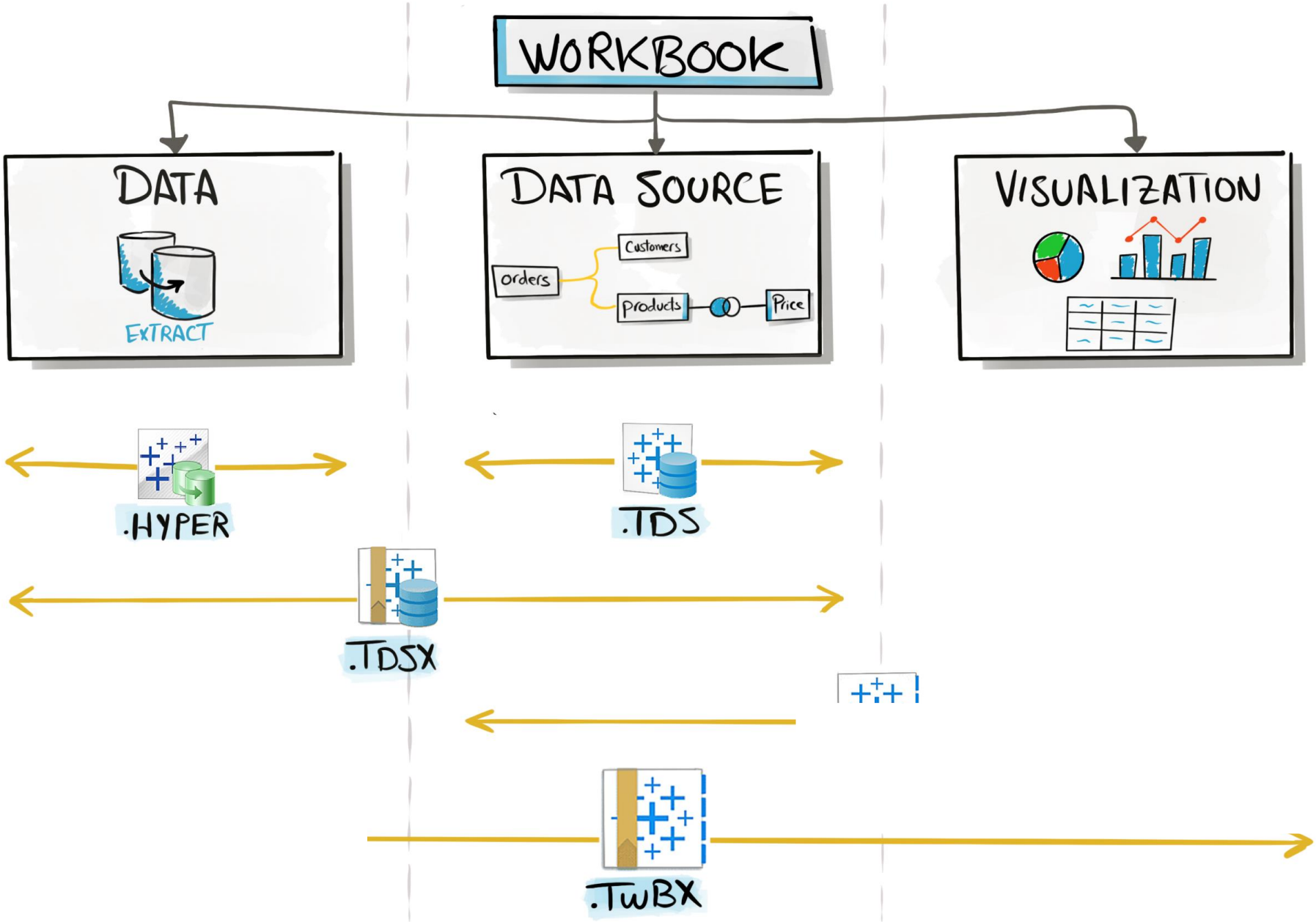


Tableau File Types & Products

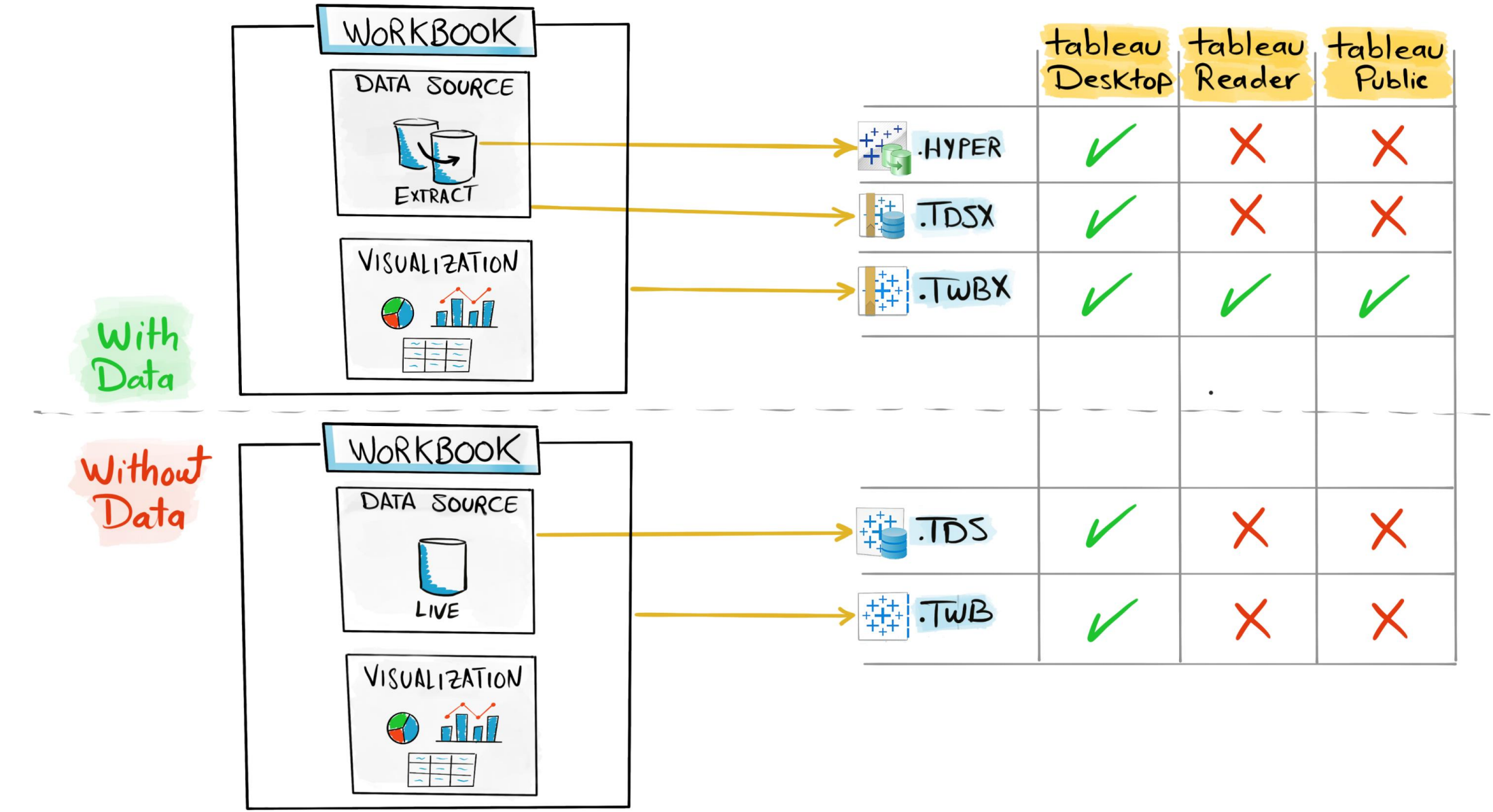
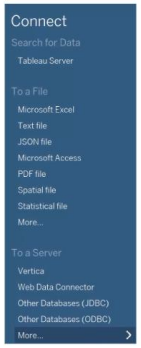


	tableau Desktop	tableau Reader	tableau Public
.HYPER	✓	✗	✗
.TDSX	✓	✗	✗
.TWBX	✓	✓	✓
.TDS	✓	✗	✗
.TWB	✓	✗	✗

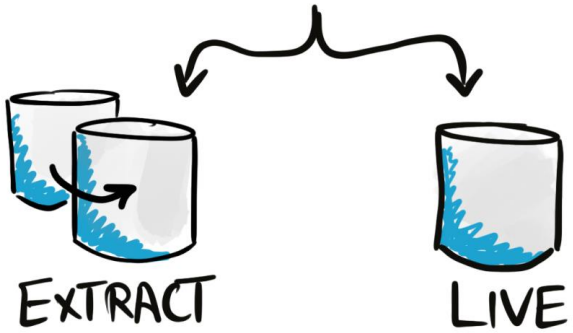
Tableau Data Source

DATA CONNECTORS

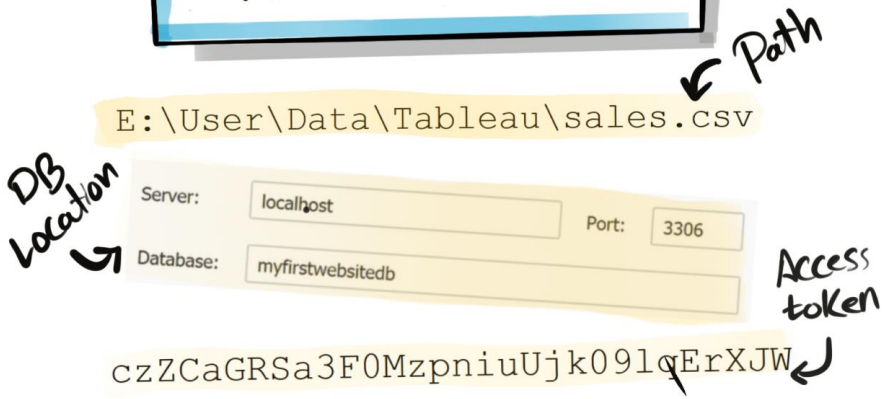


90 CONNECTORS

CONNECTION TYPE



ACCESS INFO



DATA MODEL

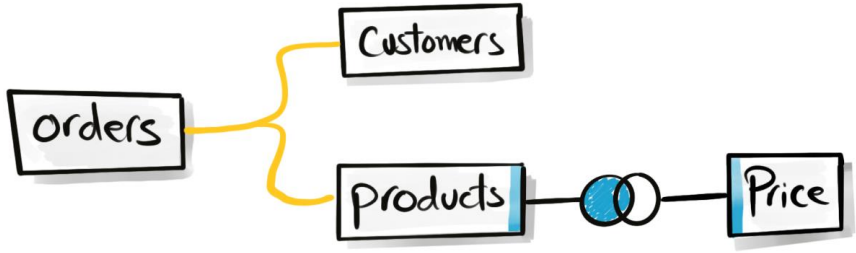


Tableau Workbook Files

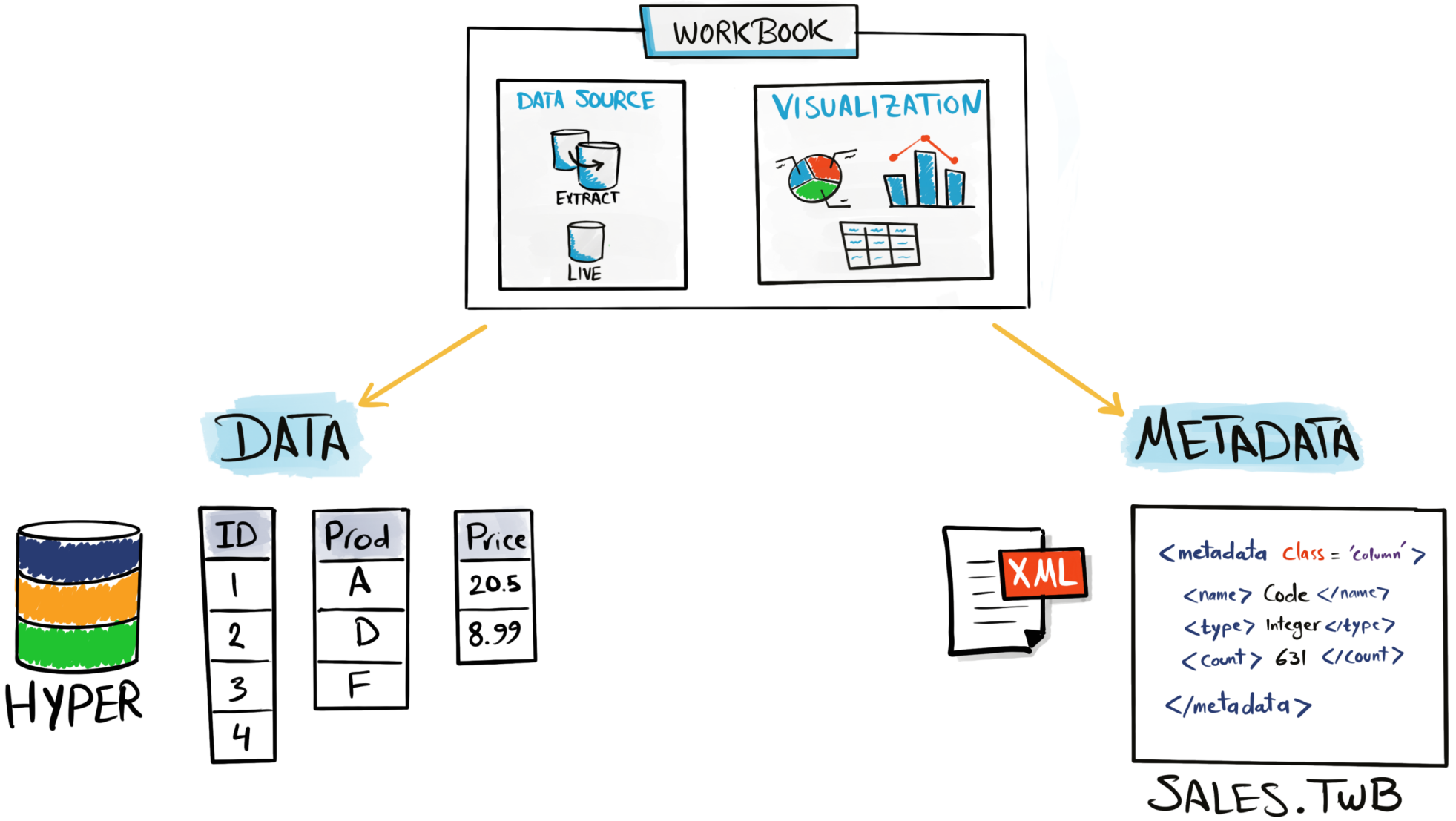
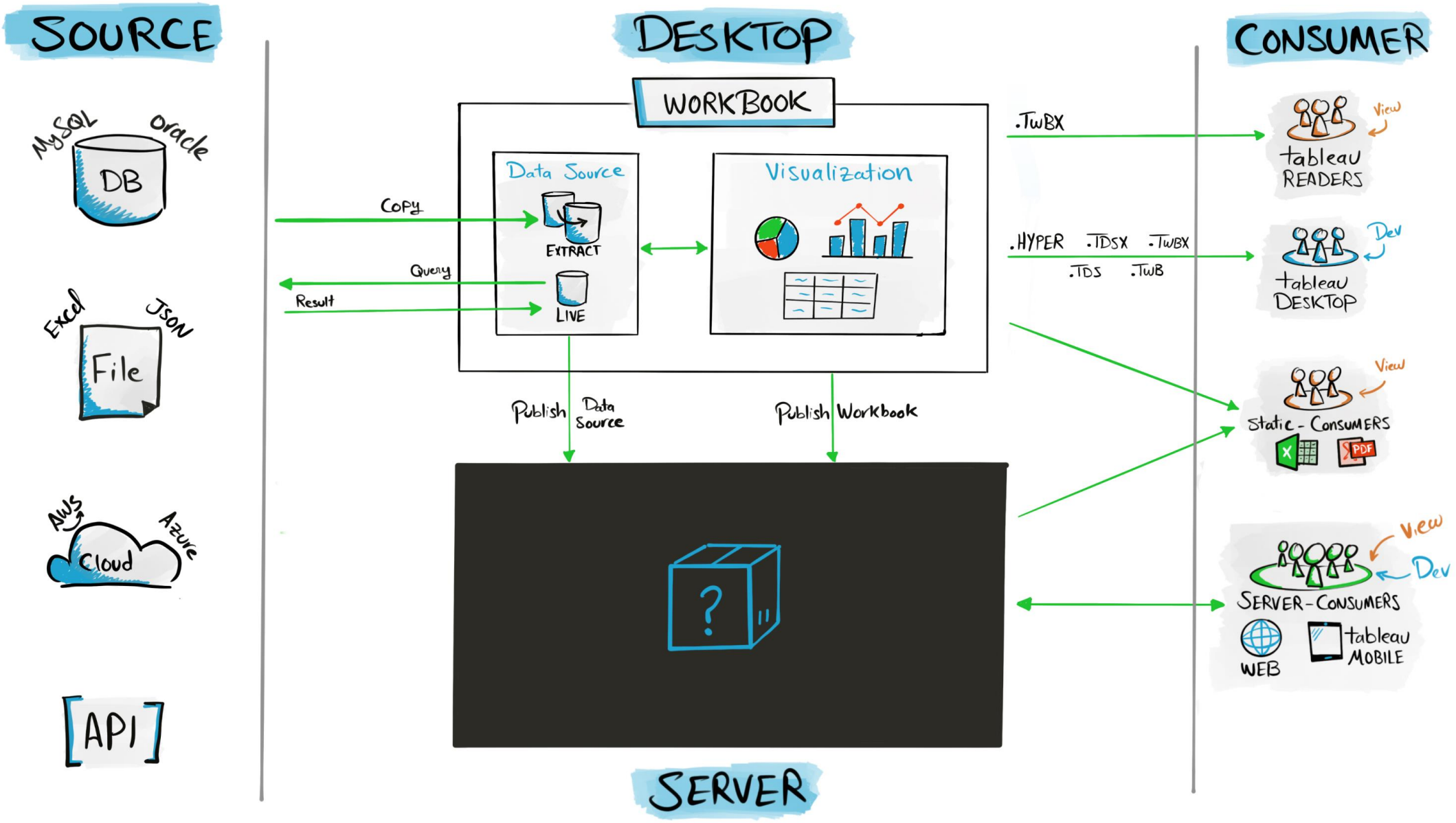
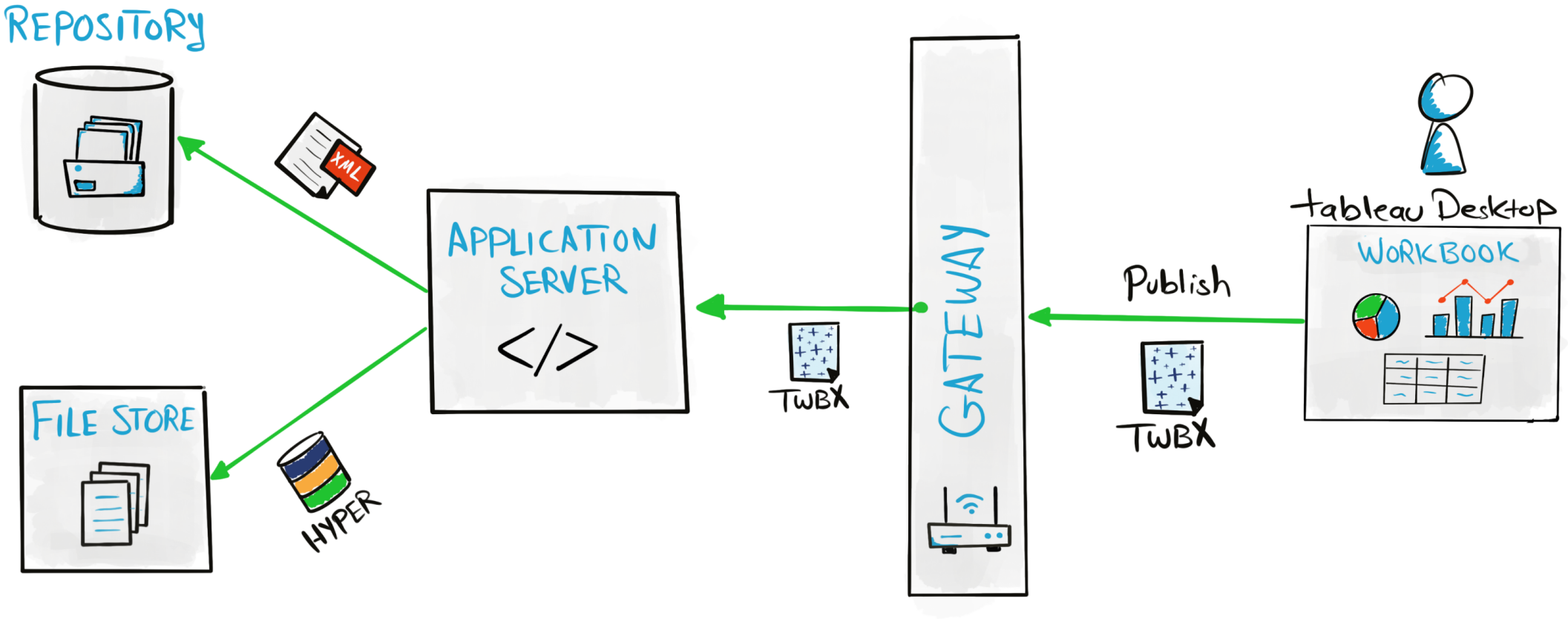


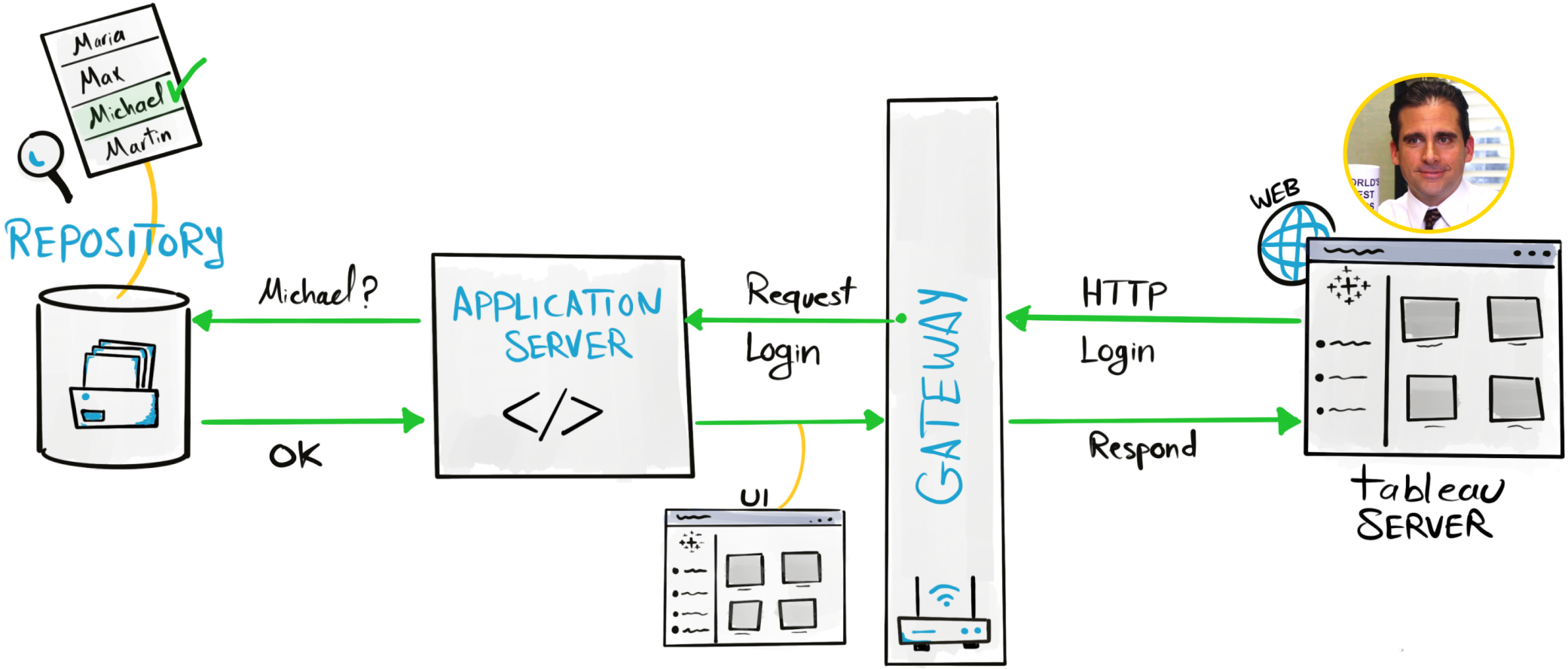
Tableau Desktop Architecture



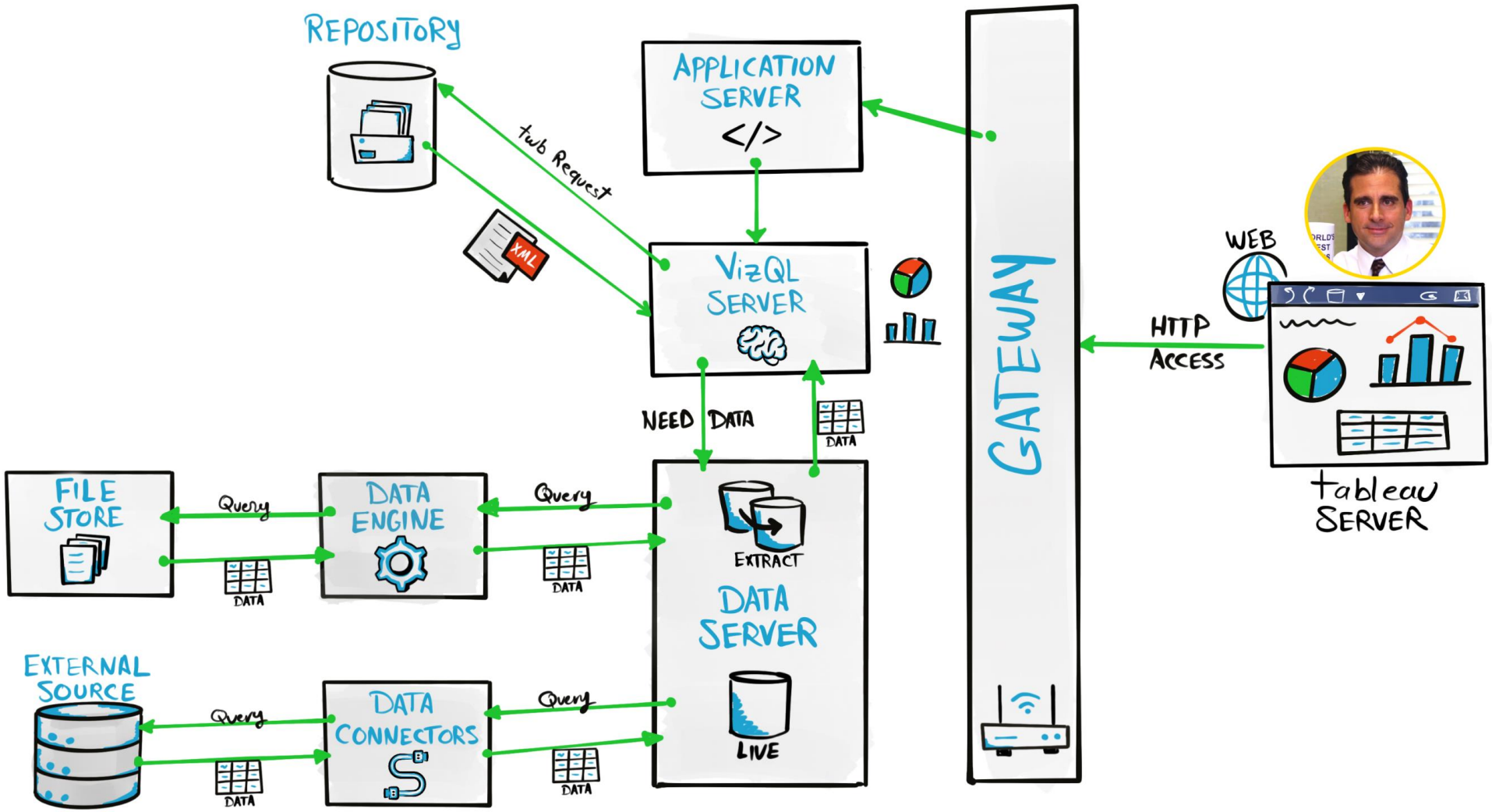
Publish Process

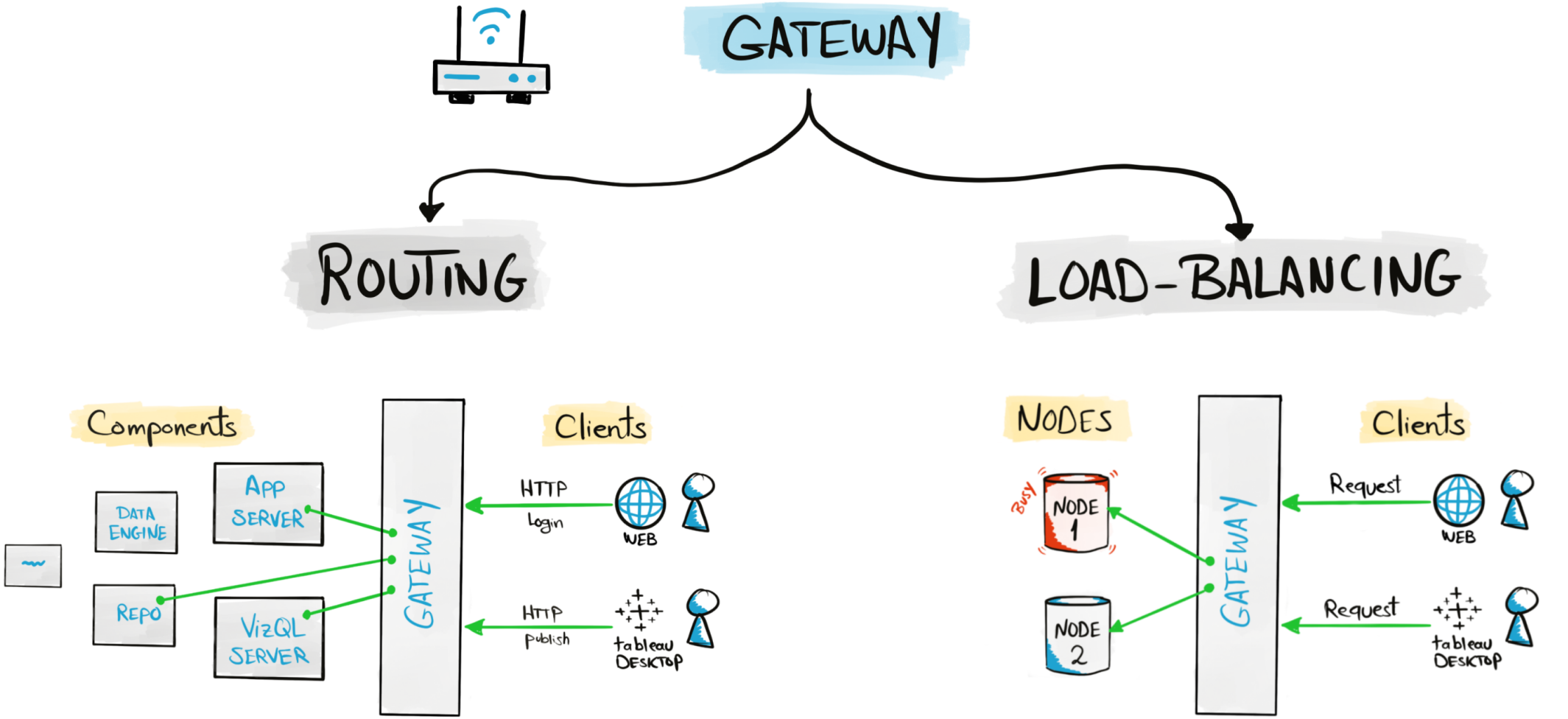


Authenticate Process



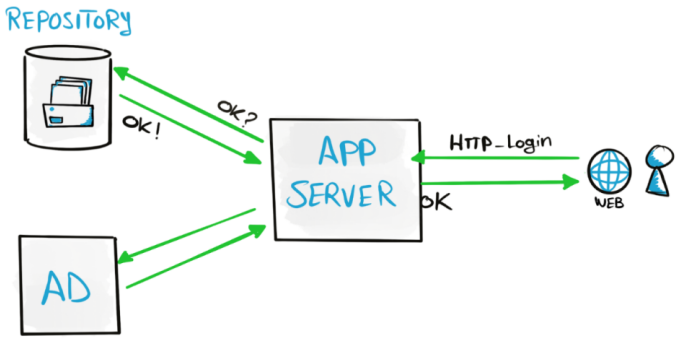
VIZ Access Process



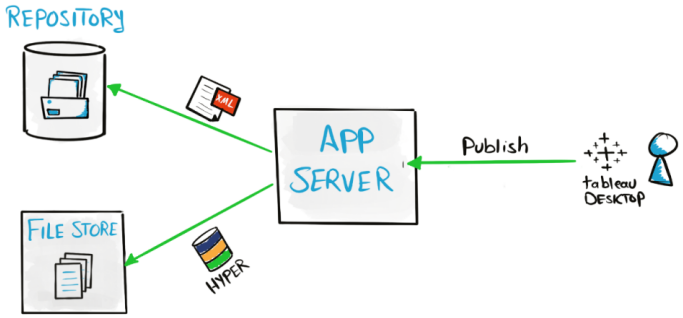

GATEWAY
ROUTING
LOAD-BALANCING
Components
DATA ENGINE
APP SERVER
REPO
VizQL SERVER
GATEWAY
Clients
HTTP
Login
WEB
HTTP
Publish
tableau DESKTOP
NODES
Busy
NODE 1
NODE 2
GATEWAY
Clients
Request
WEB
Request
tableau DESKTOP

</> APPLICATION SERVER

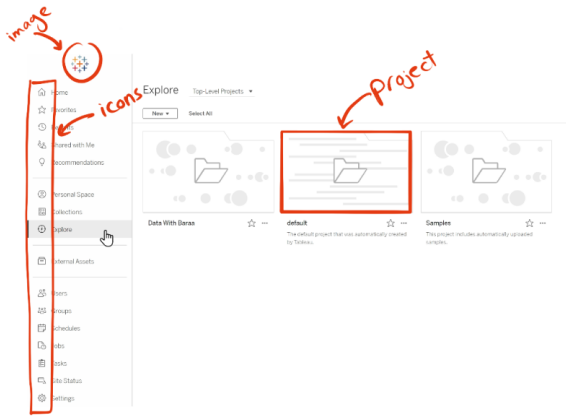
Authentication & Authorisation

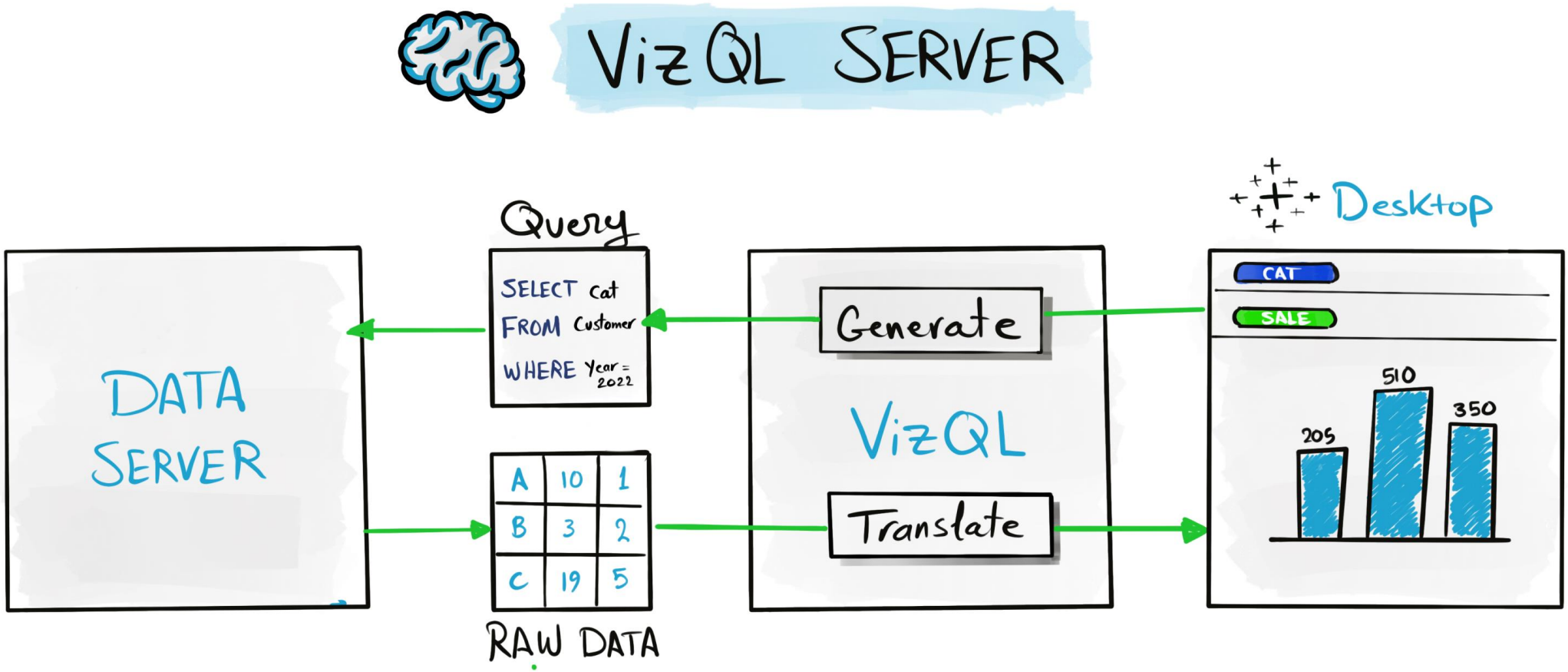


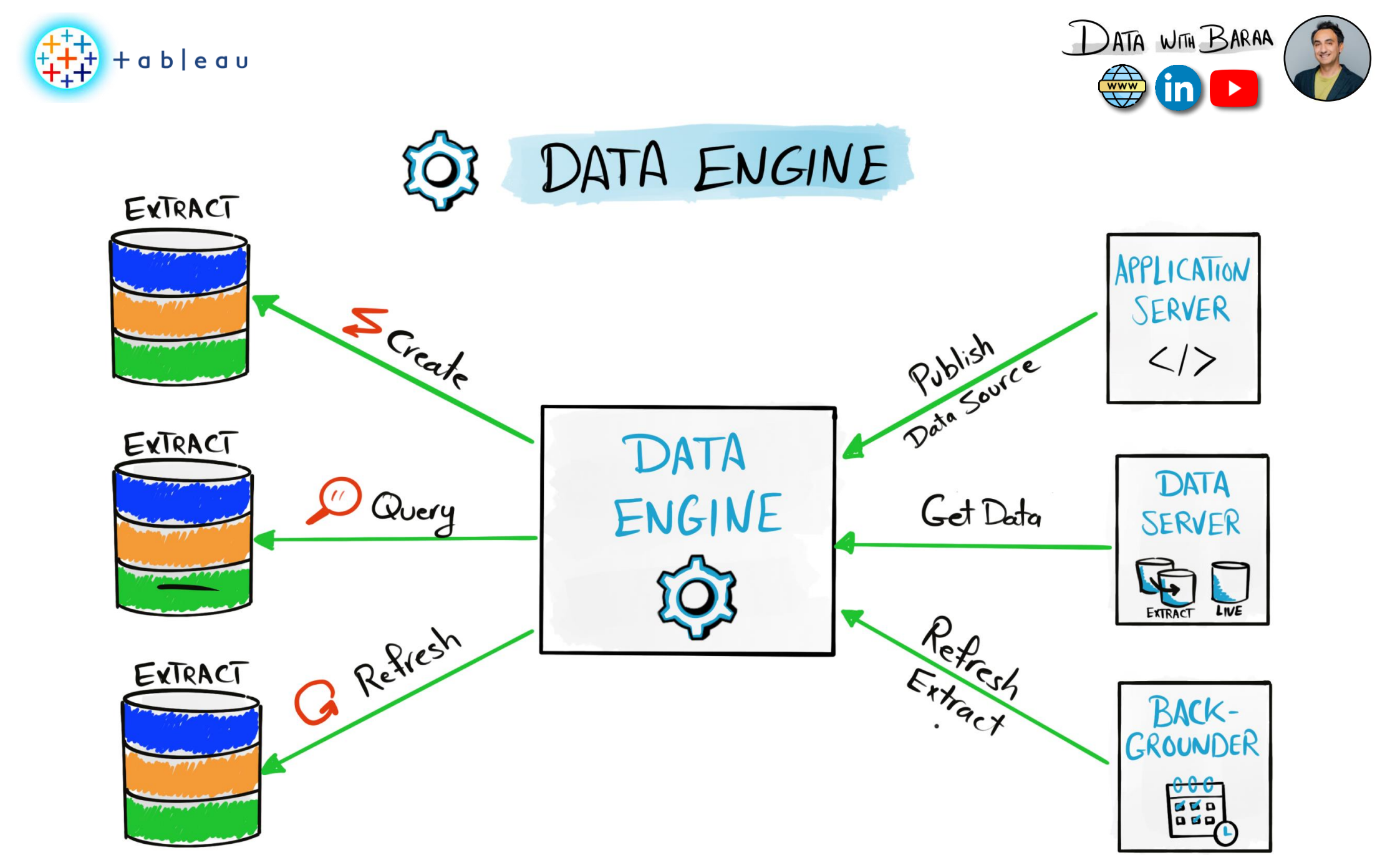
Publishing



UI Rendering

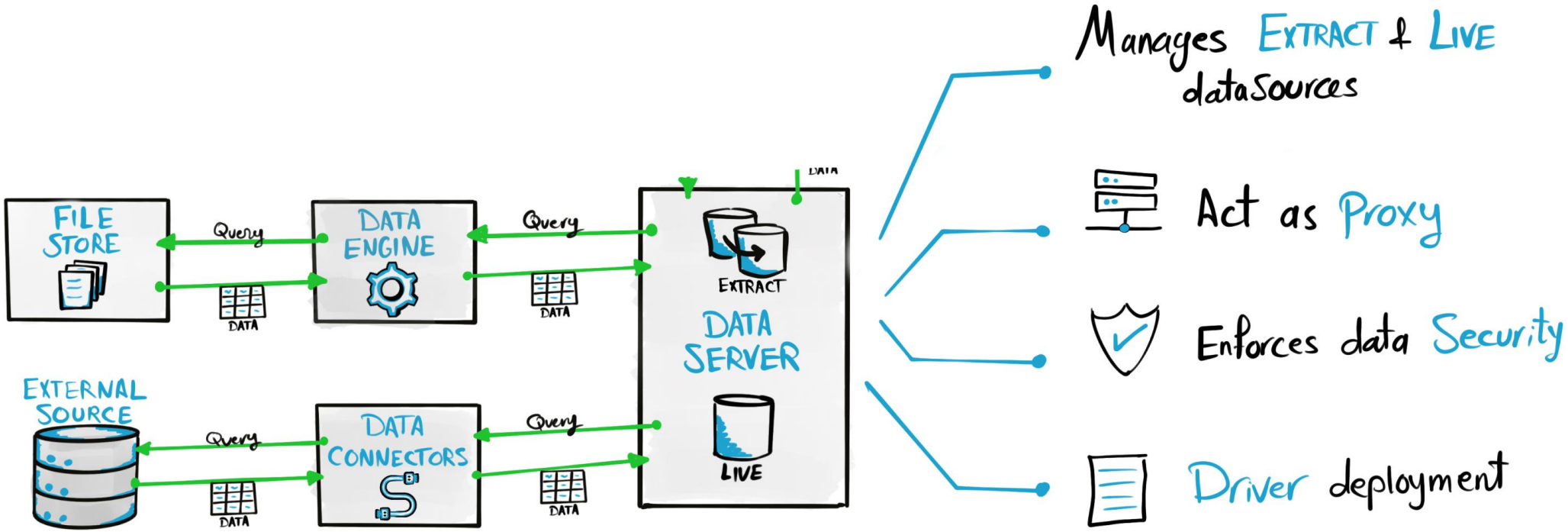



VizQL SERVER
Query
SELECT cat
FROM Customer
WHERE Year = 2022
DATA SERVER
A 10 1
B 3 2
C 19 5
RAW DATA
Generate
VizQL
Translate
Desktop
CAT
SALE
510
350
205


DATA ENGINE
EXTRACT
EXTRACT
EXTRACT
Create
Query
Refresh
DATA ENGINE
Publish Data Source
Get Data
Refresh Extract
APPLICATION SERVER
</>
DATA SERVER
EXTRACT
LIVE
BACK-GROUNDER

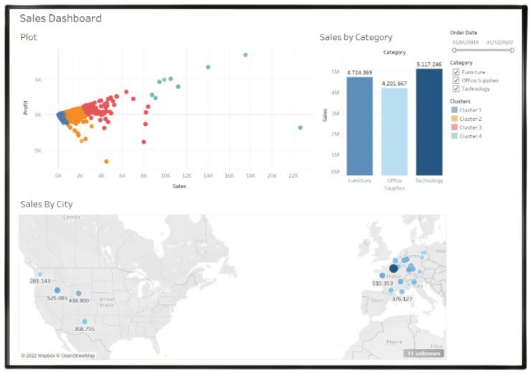
DATA SERVER

EXTRACT
LIVE


FILE STORE
Query
DATA
DATA ENGINE
Query
DATA
EXTERNAL SOURCE
Query
DATA
DATA CONNECTORS
Query
DATA
EXTRACT
DATA SERVER
LIVE
Manages EXTRACT & LIVE dataSources
Act as Proxy
Enforces data Security
Driver deployment

REPOSITORY

WORKBOOK DATA



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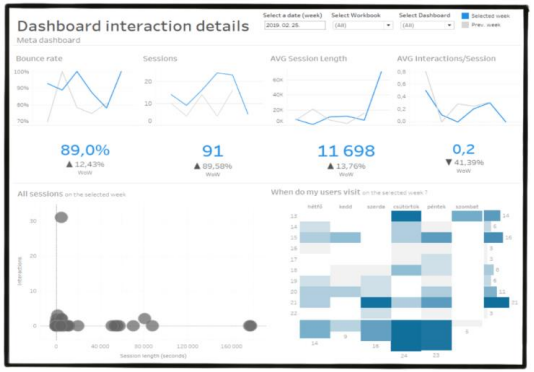
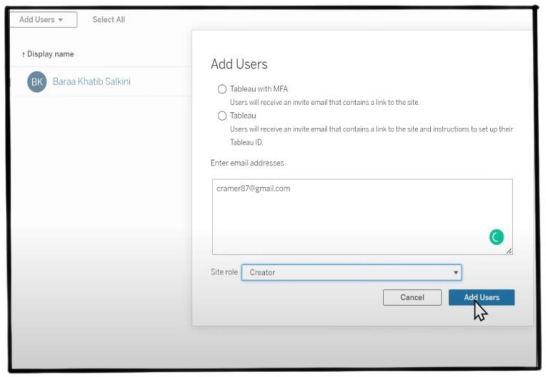
SALES.TWB

USAGE DATA



- Total active Users ?
- Total View Count ?
- Most used Data Sources

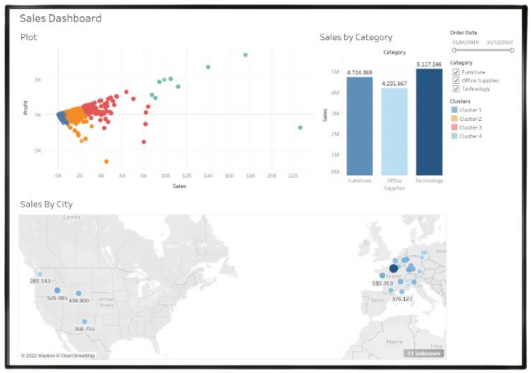
SECURITY DATA



NAME	REPORT
John	Sales
Michael	Sales
Max	Finance

REPOSITORY

WORKBOOK DATA



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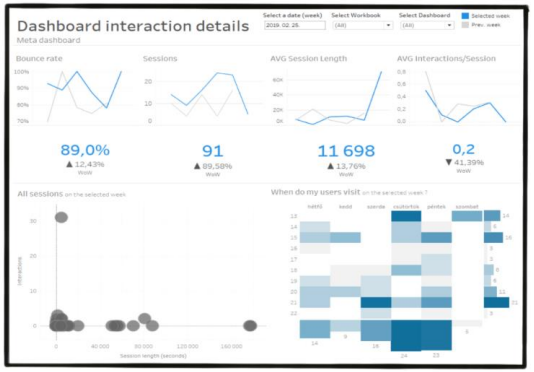
SALES.TWB

USAGE DATA



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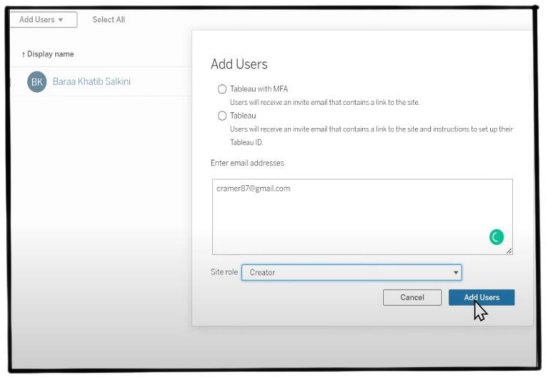
SECURITY DATA



NAME	REPORT
John	Sales
Michael	Sales
Max	Finance

Tableau Architecture

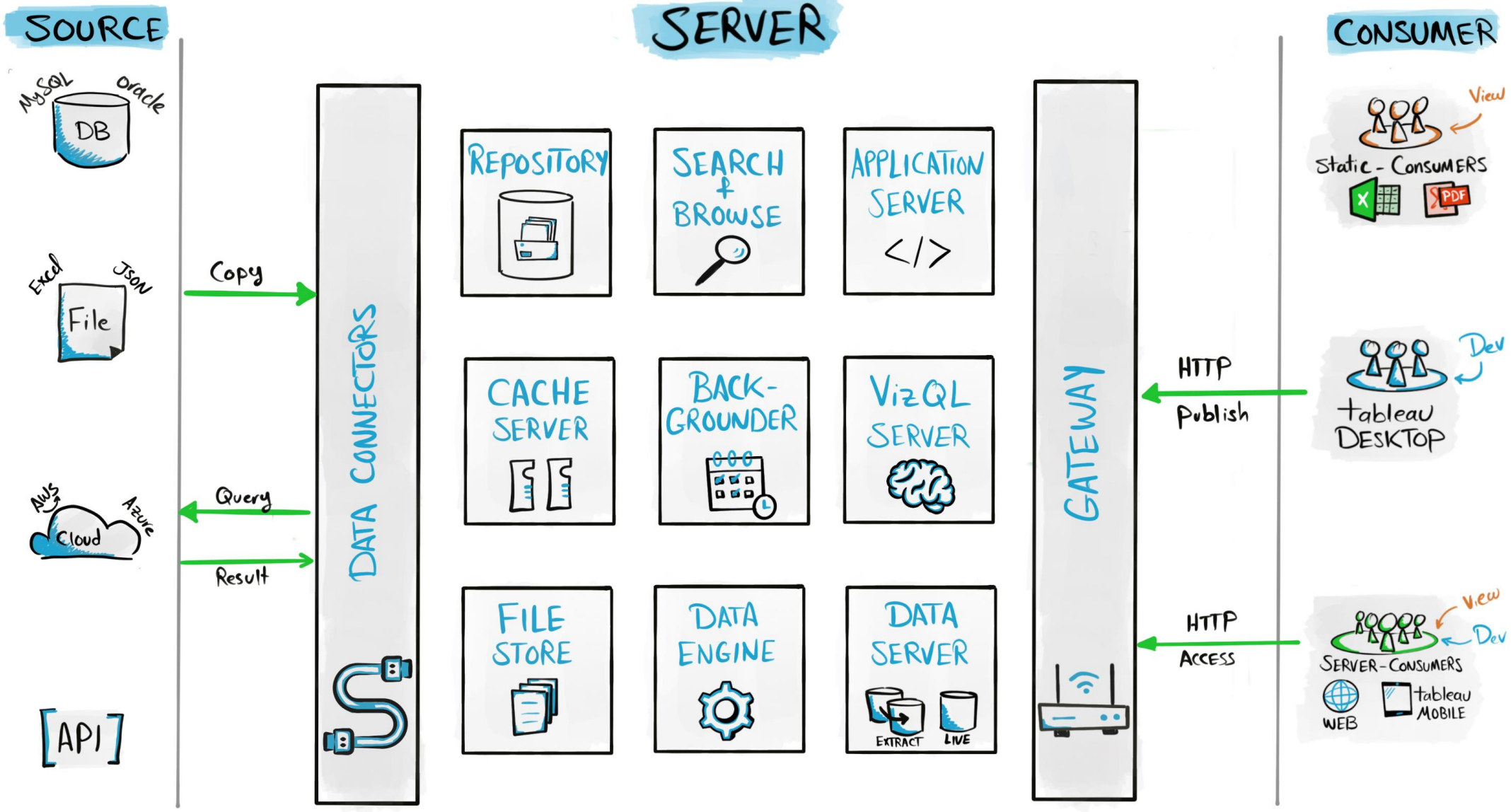
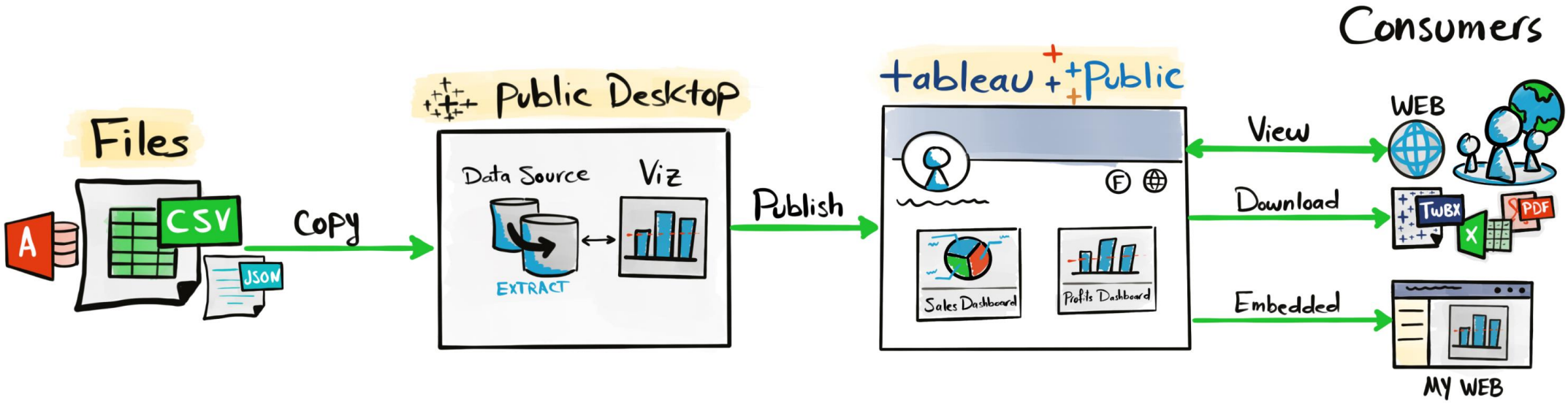



Tableau Public Architecture