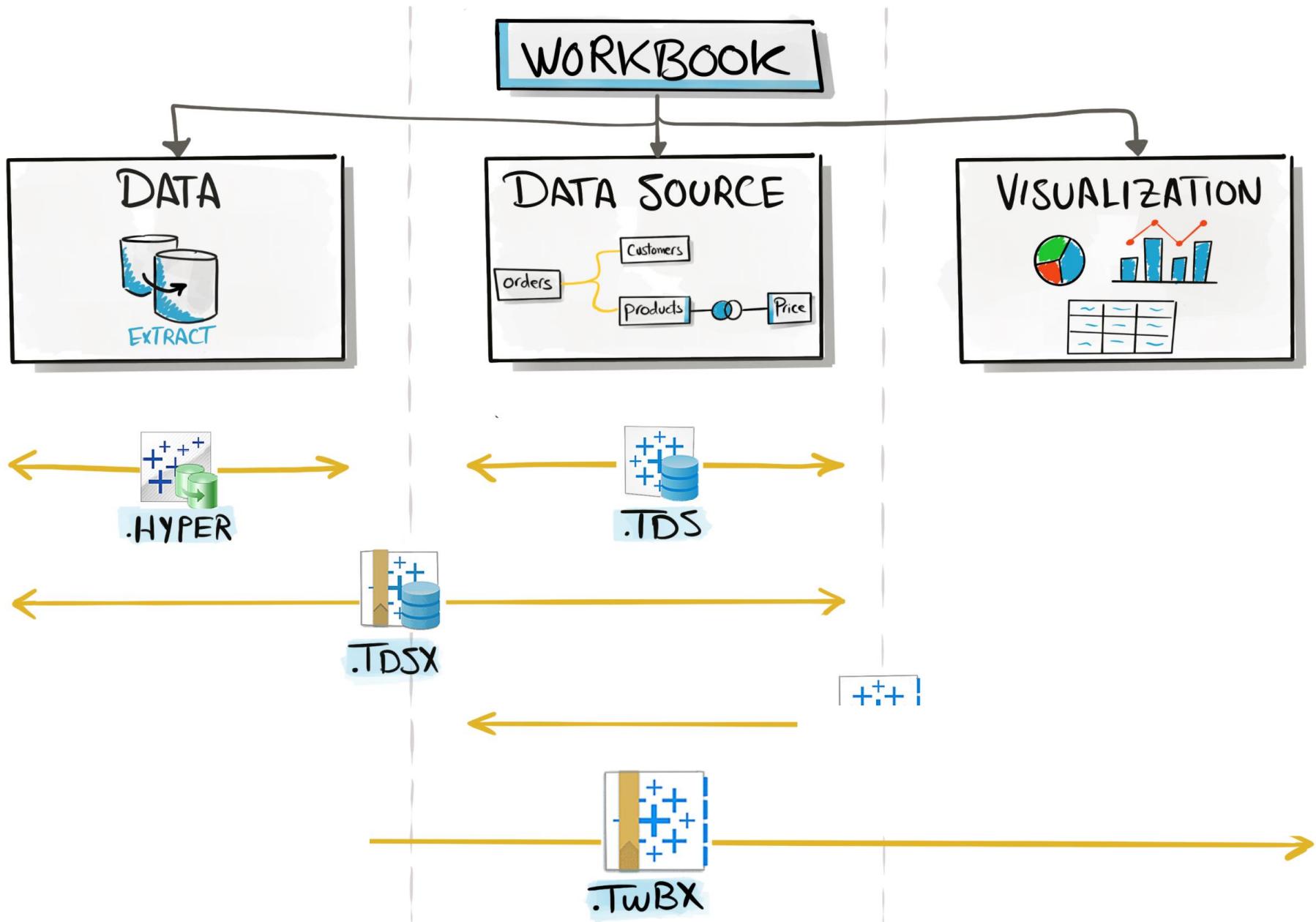




# Tableau File Types



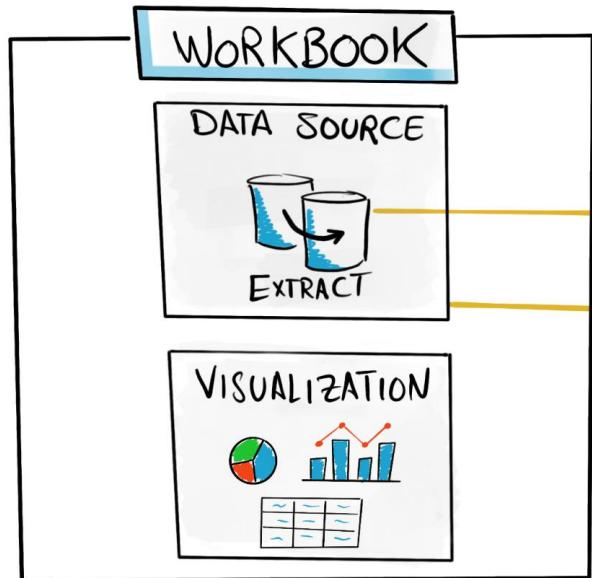
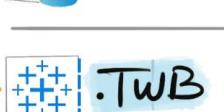
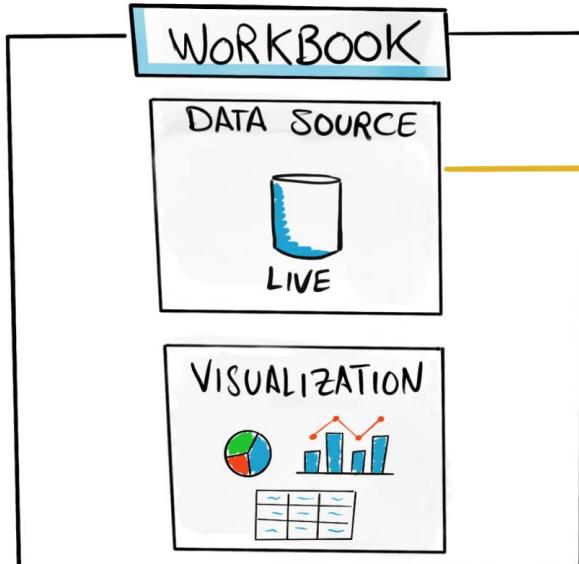
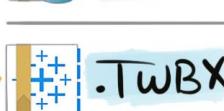


tableau Desktop	tableau Reader	tableau Public
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# Tableau Data Source

DATA WITH BARAA

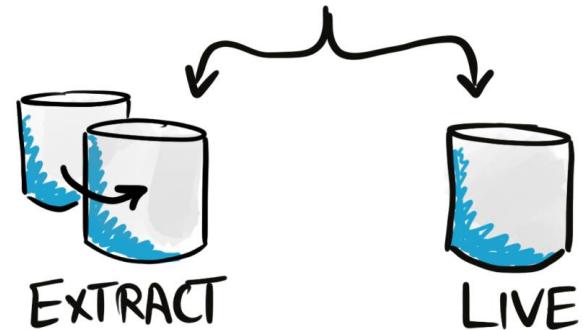


## DATA CONNECTORS



90 CONNECTORS

## CONNECTION TYPE



## ACCESS INFO

Path

E:\User\Data\Tableau\sales.csv

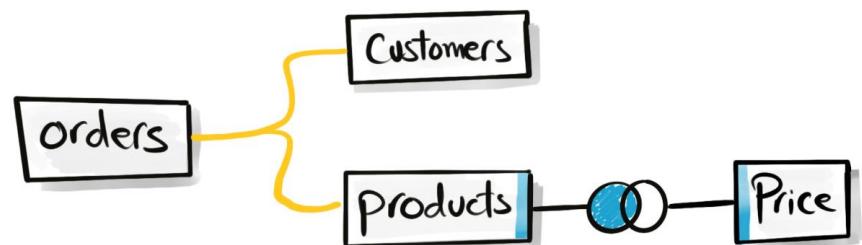
DB location ↗

Server: localhost  
Database: myfirstwebsitedb

Access token

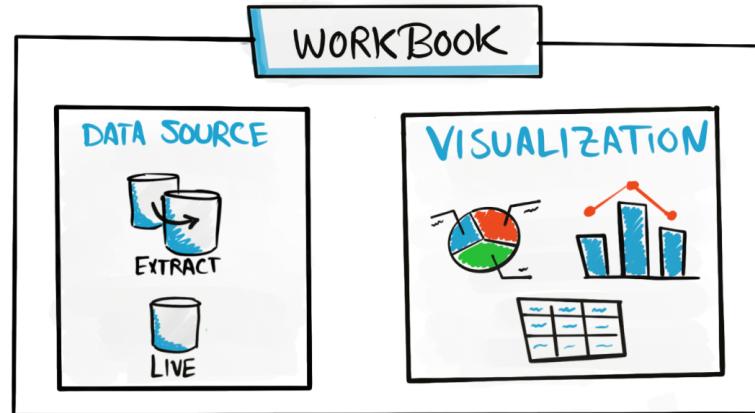
czZCaGRSa3F0MzpnjuUjk091qErXJW ↗

## DATA MODEL





# Tableau Workbook Files



DATA



ID
1
2
3
4

HYPER

Prod
A
D
F

Price
20.5
8.99



METADATA

```
<metadata class='column'>
  <name> Code </name>
  <type> Integer </type>
  <Count> 631 </Count>
</metadata>
```

SALES.TWB



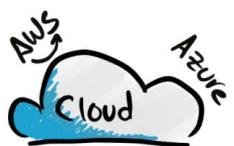
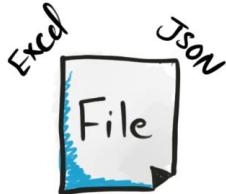
+ a b | e a u

# Tableau Desktop Architecture

DATA WITH BARAA



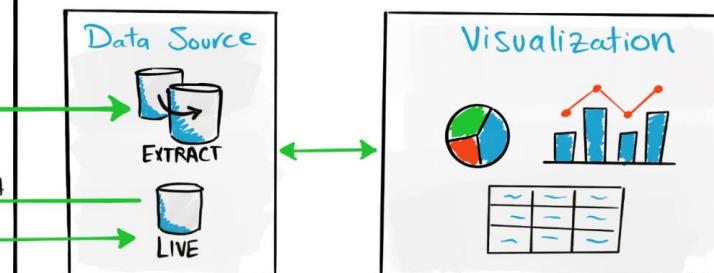
## SOURCE



[API]

## DESKTOP

### WORKBOOK



MySQL  
Oracle  
DB

Copy  
Query  
Result

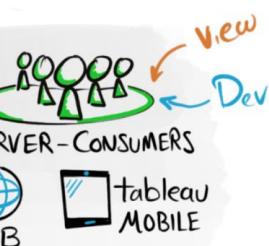
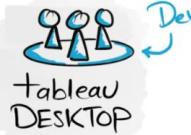
Publish Data Source

Publish Workbook

.TWBX

.HYPER .TDSX .TWBX  
.TDS .TWB

## CONSUMER





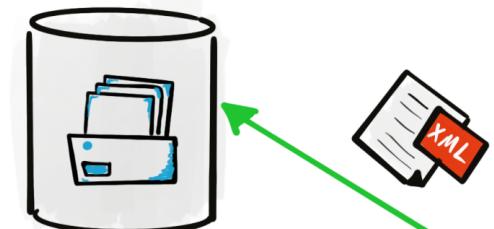
+ a b | e a u

# Publish Process

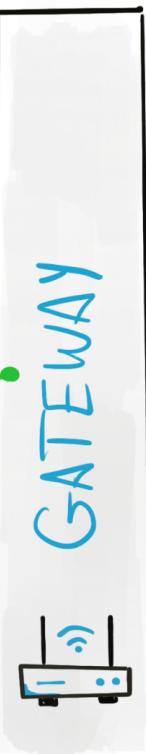
DATA WITH BARAA



REPOSITORY



HYPER



GATEWAY

Published  
TWBX

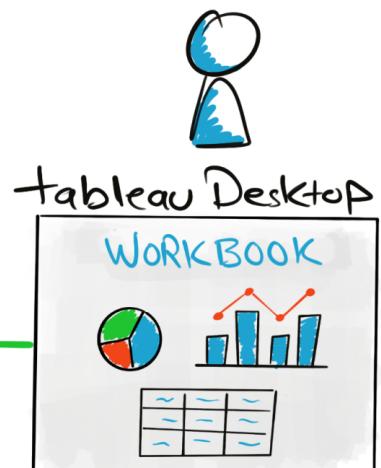


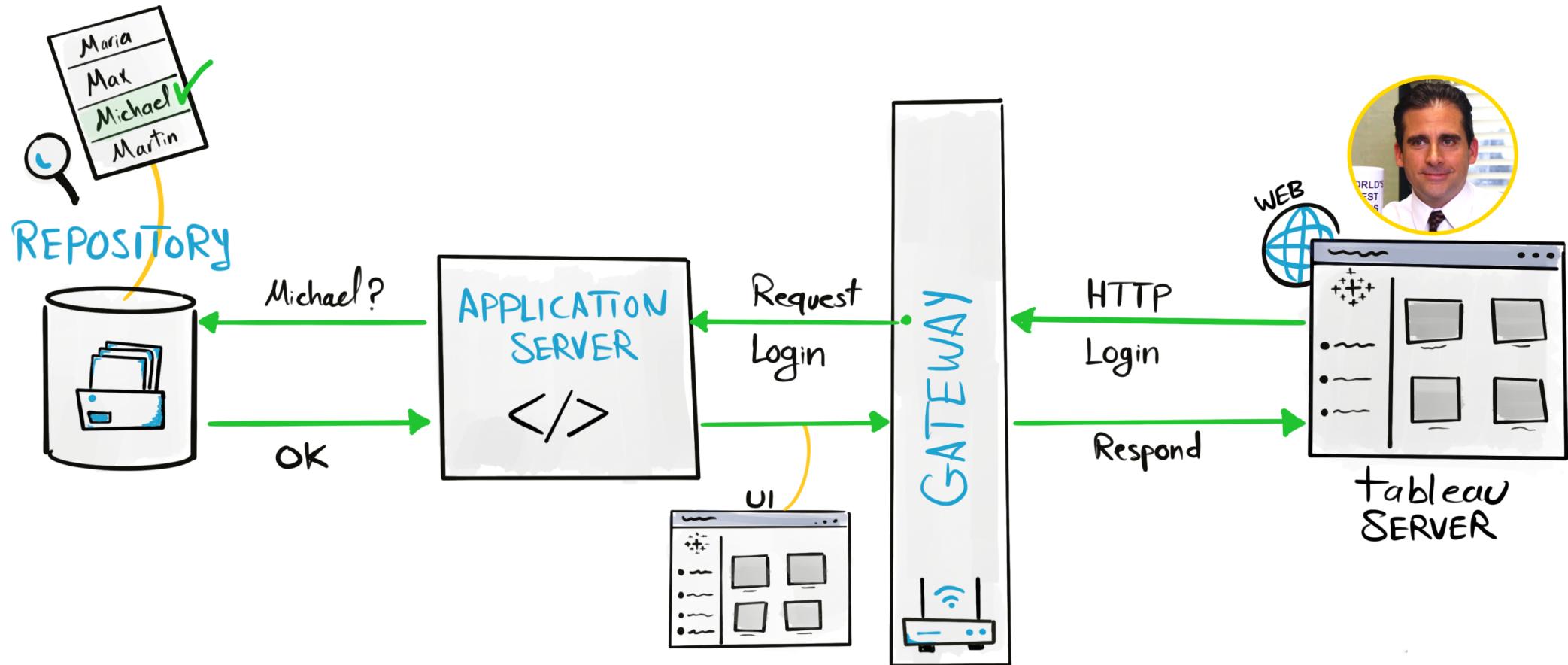
tableau Desktop

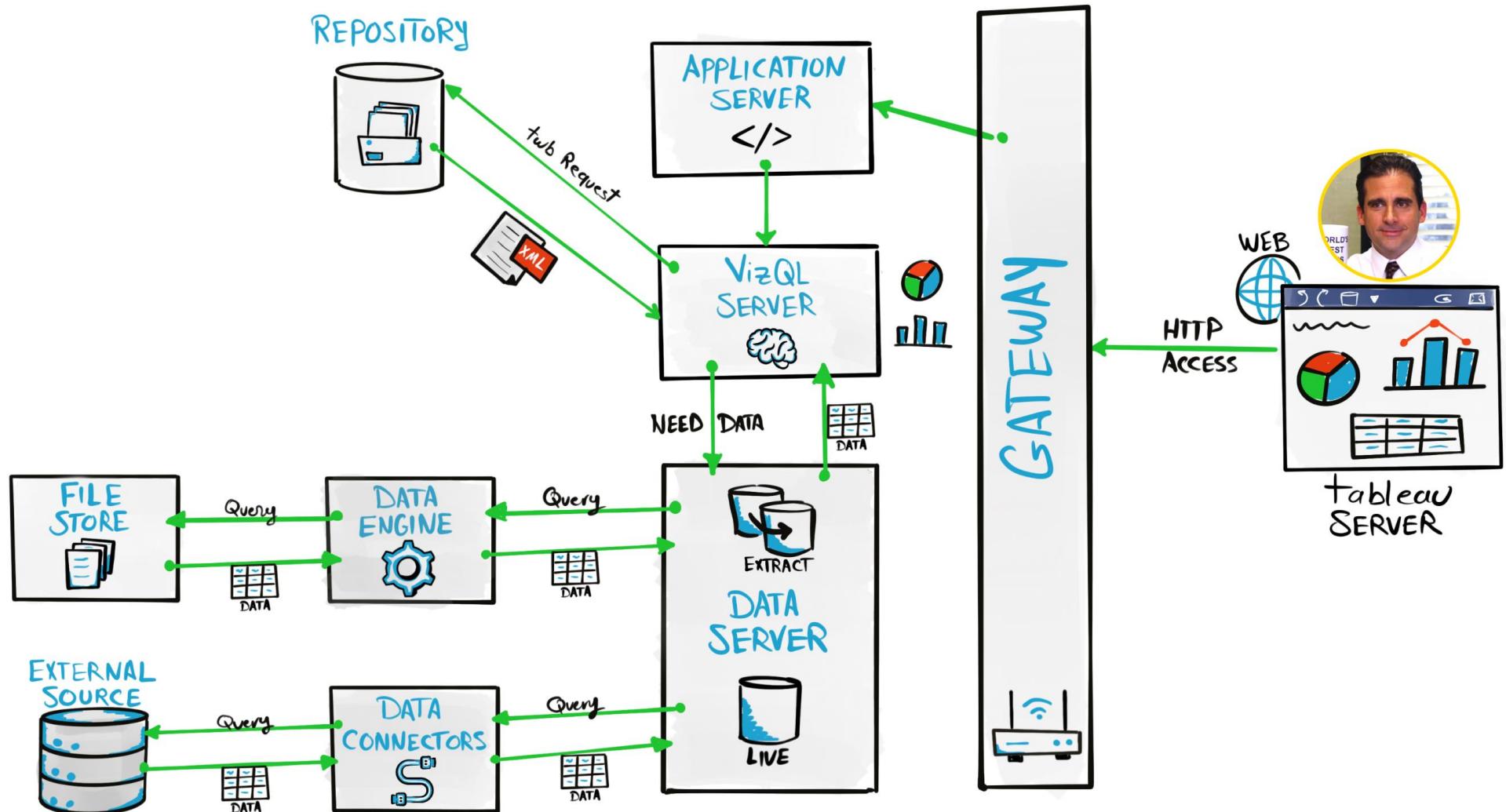
WORKBOOK

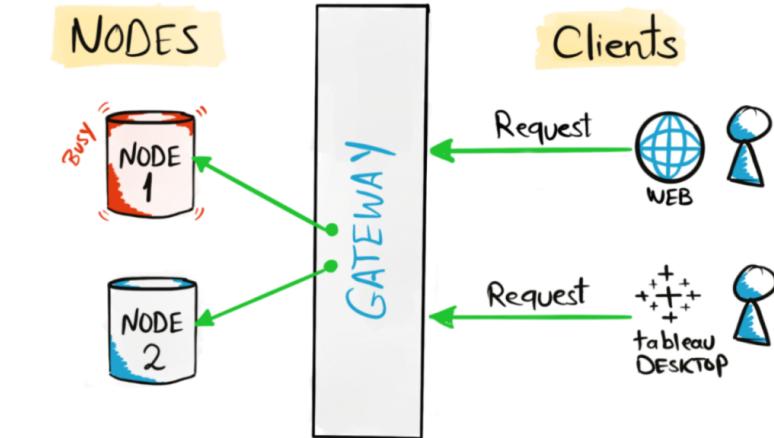
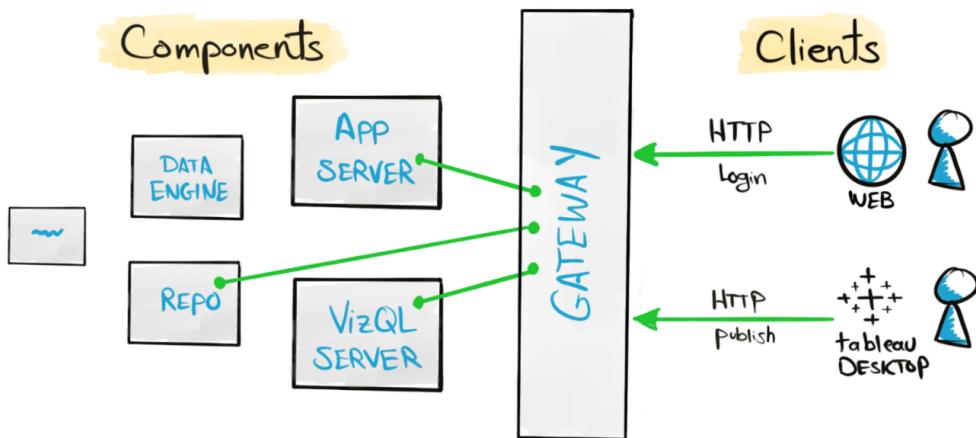
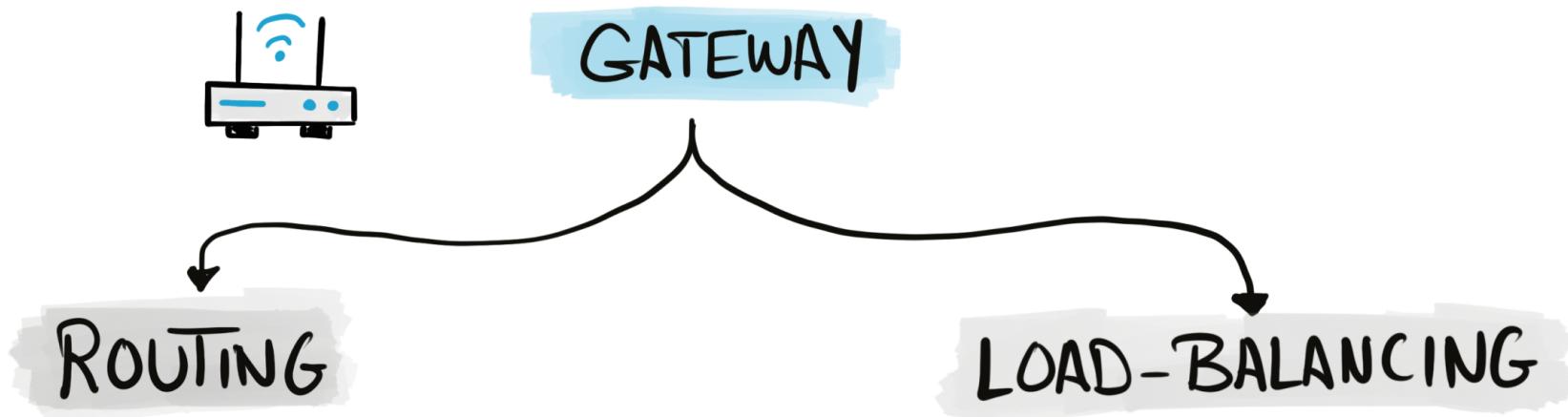




# Authenticate Process





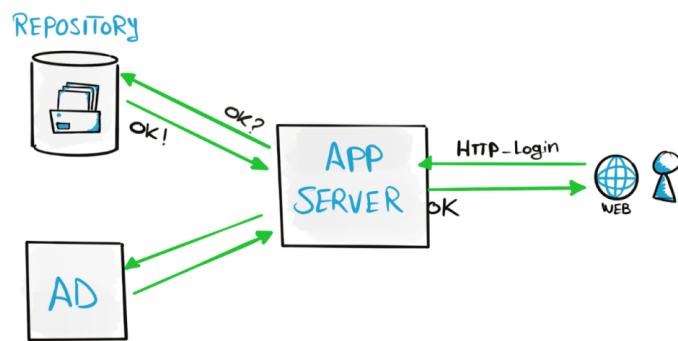




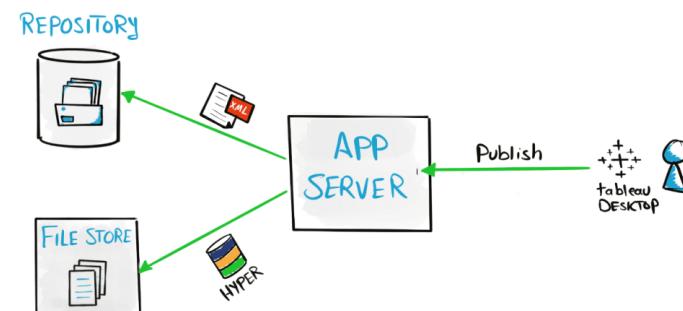
&lt;/&gt;

# APPLICATION SERVER

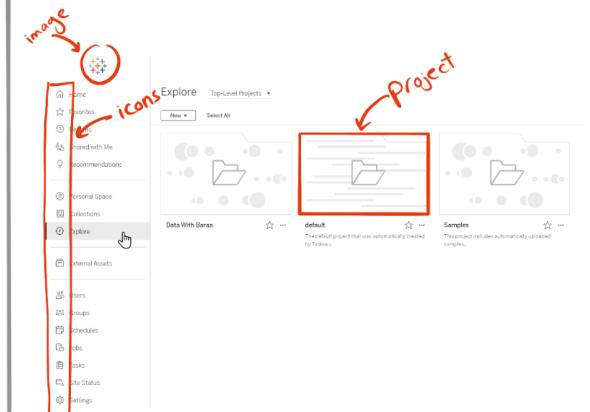
## Authentication & Authorisation



## Publishing

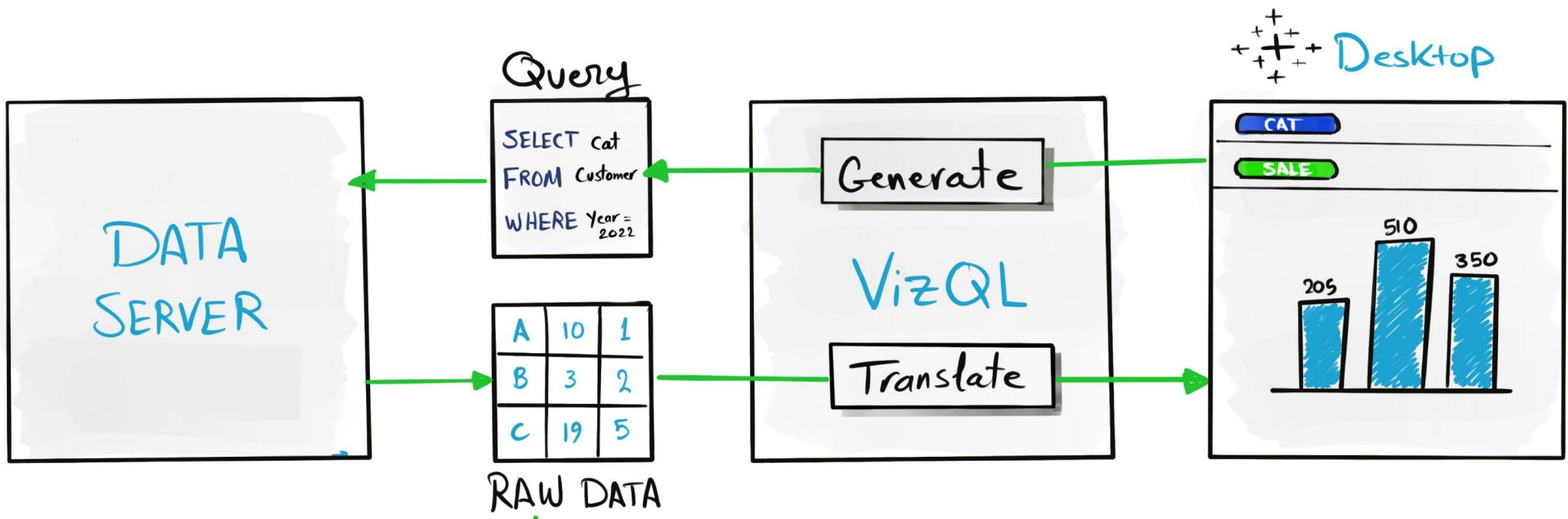


## UI Rendering



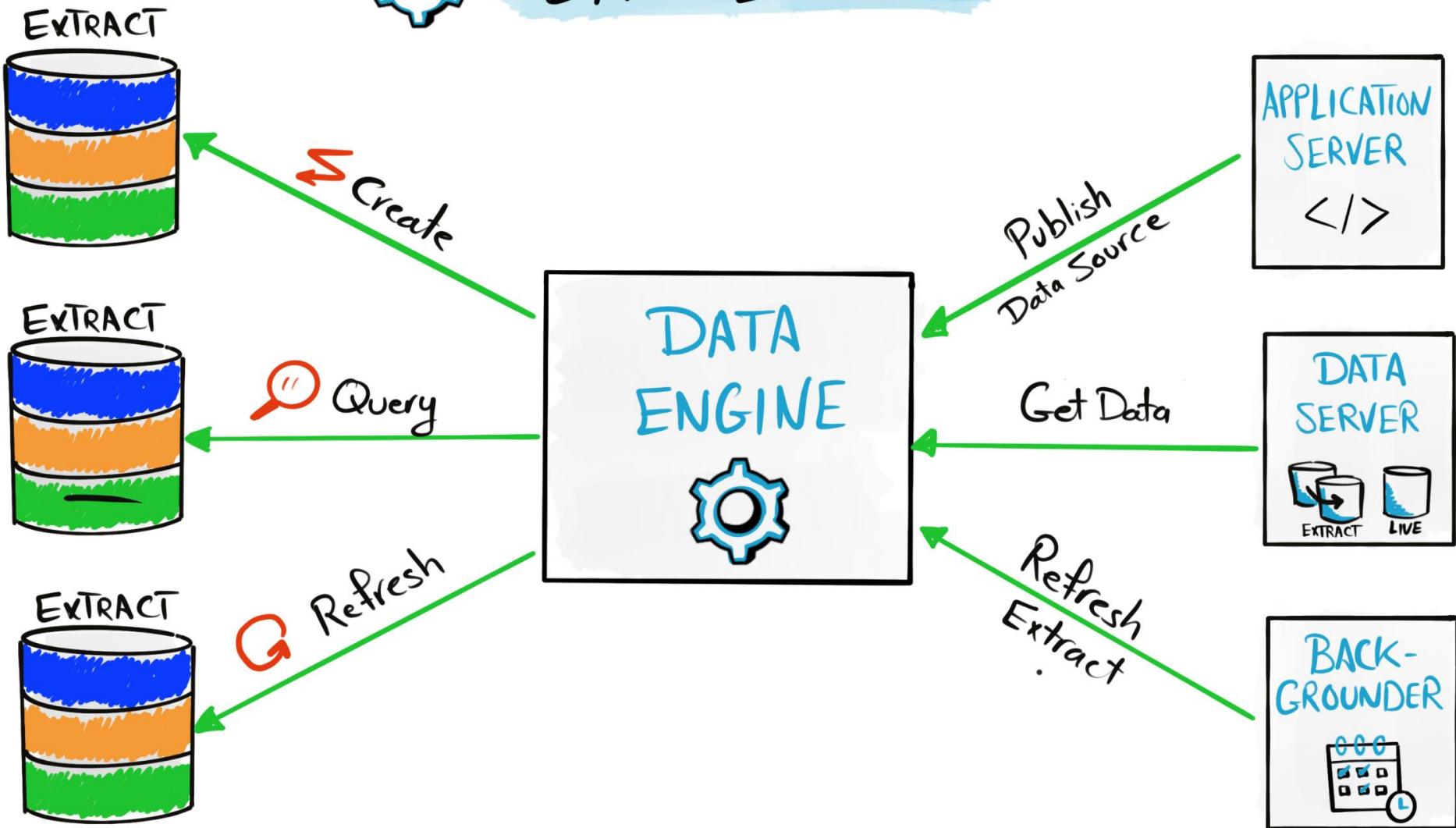


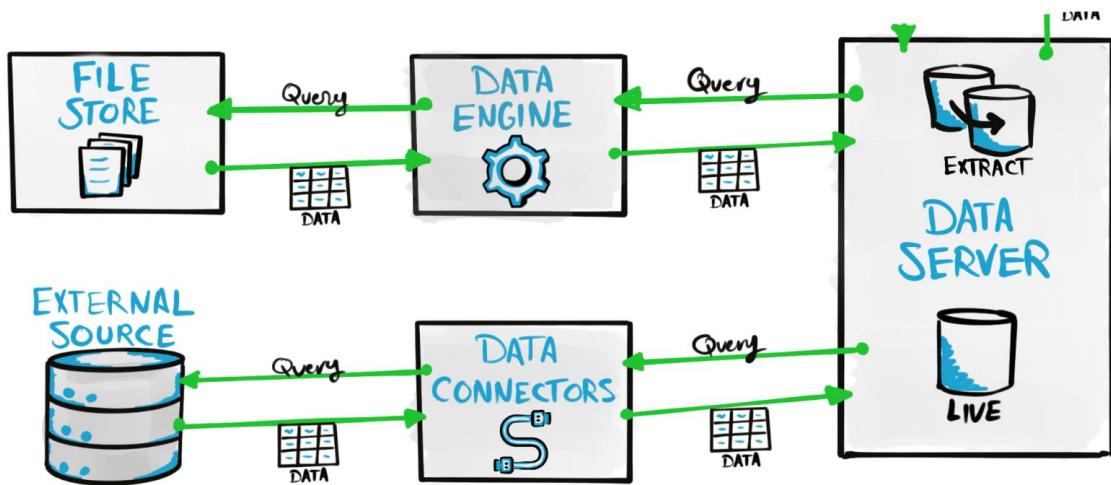
## VizQL SERVER





# DATA ENGINE





Manages EXTRACT & LIVE dataSources



Act as Proxy



Enforces data Security



Driver deployment



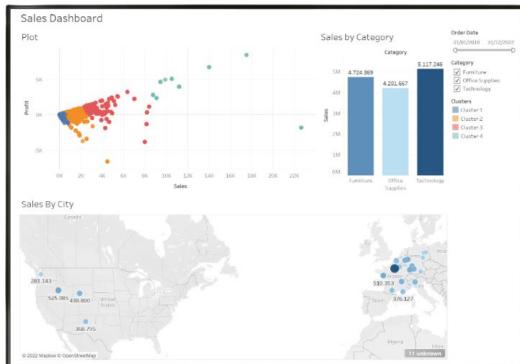
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DATA WITH BARAA

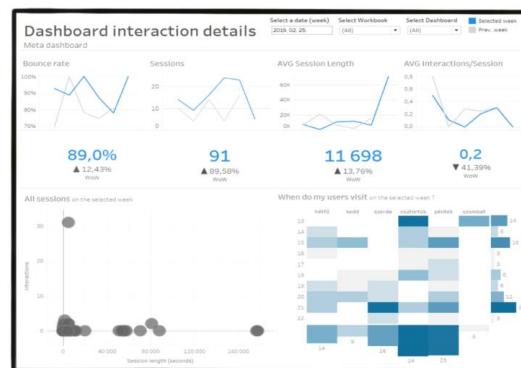


# REPOSITORY

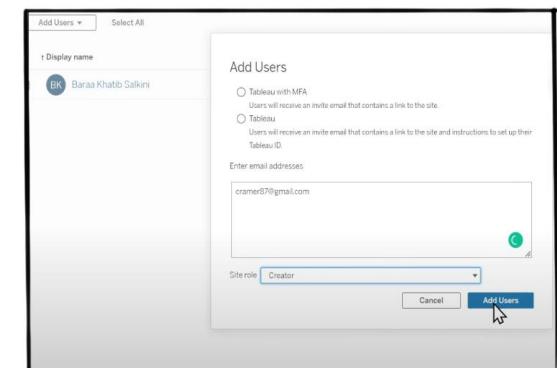
## WORKBOOK DATA



## USAGE DATA



## SECURITY DATA



```
<metadata class='column'>
  <name> Code </name>
  <type> Integer </type>
  <count> 631 </count>
</metadata>
```

SALES.TWB

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

NAME	REPORT
John	Sales
Michael	Sales
Max	Finance



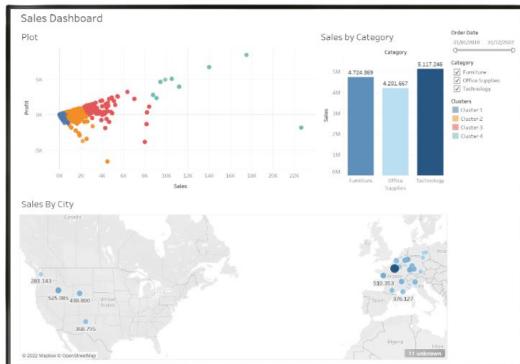
+ a b | e a u

DATA WITH BARAA

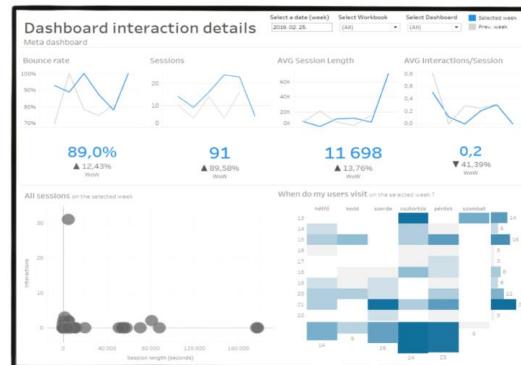


# REPOSITORY

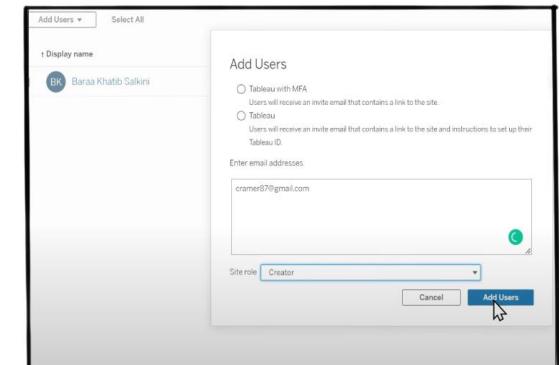
## WORKBOOK DATA



## USAGE DATA



## SECURITY DATA



```
<metadata class='column'>
  <name> Code </name>
  <type> Integer </type>
  <count> 631 </count>
</metadata>
```

SALES.TWB

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

NAME	REPORT
John	Sales
Michael	Sales
Max	Finance



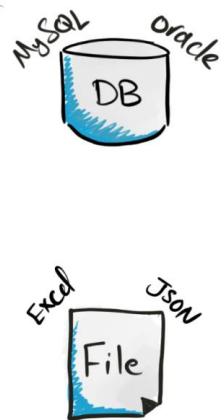
+ a b | e a u

# Tableau Architecture

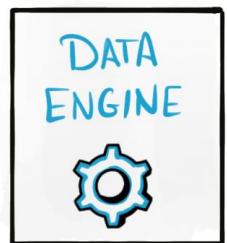
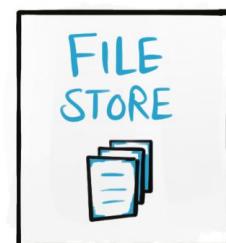
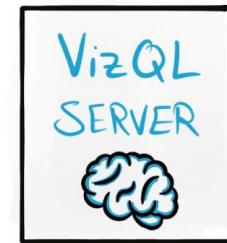
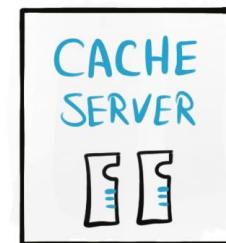
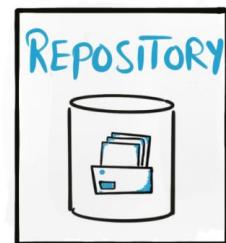
DATA WITH BARAA



SOURCE



SERVER



[API]

Copy

Query

Result

DATA CONNECTORS

GATEWAY

HTTP  
Publish

HTTP  
Access

CONSUMER





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# Tableau Public Architecture

DATA WITH BARAA

