

Einfach.  
Ergebnisse.  
Schaffen.

Microsoft Fabric  
Marcus Wuest



## Schwerpunkte:

- Business Intelligence
- Datenintegration
- Datenmanagement
- Solution Management
- Qlik / Microsoft



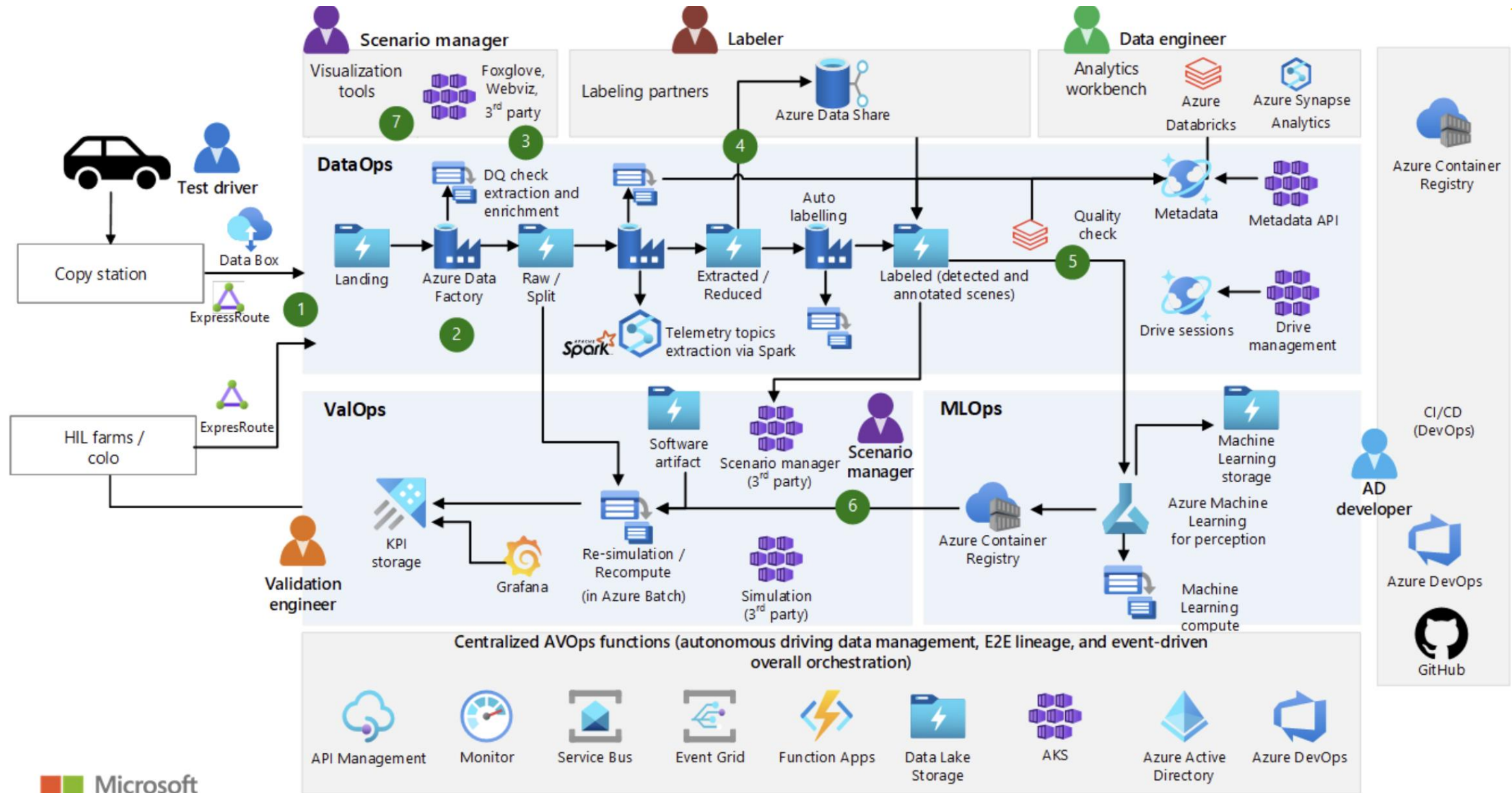
20 Jahre BI Erfahrungen  
Datenmanagement Experte  
LinkedIN



Bestehende Power BI Premium-Kunden können Fabric einfach über das Power BI-Administratorportal aktivieren. Seit dem 1. Juli 2023 ist Fabric für alle Power BI-Mandanten als Testversion verfügbar.  
Seit dem 1. Januar 2024 ist Fabric kommerziell erwerbbar.

# Was ist MS Fabric?

Unterschiede zu PowerBI





# PowerBI vs. Microsoft Fabric

- ▶ Power BI ist kein dediziertes ETL-Tool
- ▶ Desktop-Client notwendig
- ▶ weitere MS Tools notwendig
- ▶ Keine Vollintegration von Fähigkeiten anderer MS Tools z.B. Maschine Learning
- ▶ Ohne Zusatztools keine Konsolidierung verschiedener nicht M Quellen
- ▶ Teurer Datenspeicher
- ▶ Zusatzkosten da Datentransfer 2-seitig Kosten verursachen kann
- ▶ End to End Verbindungen oft nur virtuell
- ▶ Eingeschränkt-übergreifendes Data-Governance

# PowerBI vs. Microsoft Fabric

- ▶ Microsoft Fabric ist eine All-in-One-Analyselösung
- ▶ Von der
  - ▶ Datenintegration / Datenmanagement
  - ▶ über Data Science,
  - ▶ Real-Time Analytics
  - ▶ bis hin zu Business Intelligence
- ▶ Es bietet eine Suite von Dienstleistungen, einschließlich
  - ▶ Data Lake,
  - ▶ Datentechnik
  - ▶ und Datenintegration, alles an einem Ort.
- ▶ Mit Fabric müssen nicht verschiedene Dienste von mehreren Anbietern zusammen gestellt werden. Stattdessen ist es ein vollintegriertes end-to-End Produkt.
- ▶ Die Plattform basiert auf der Grundlage von Software-as-a-Service (SaaS).

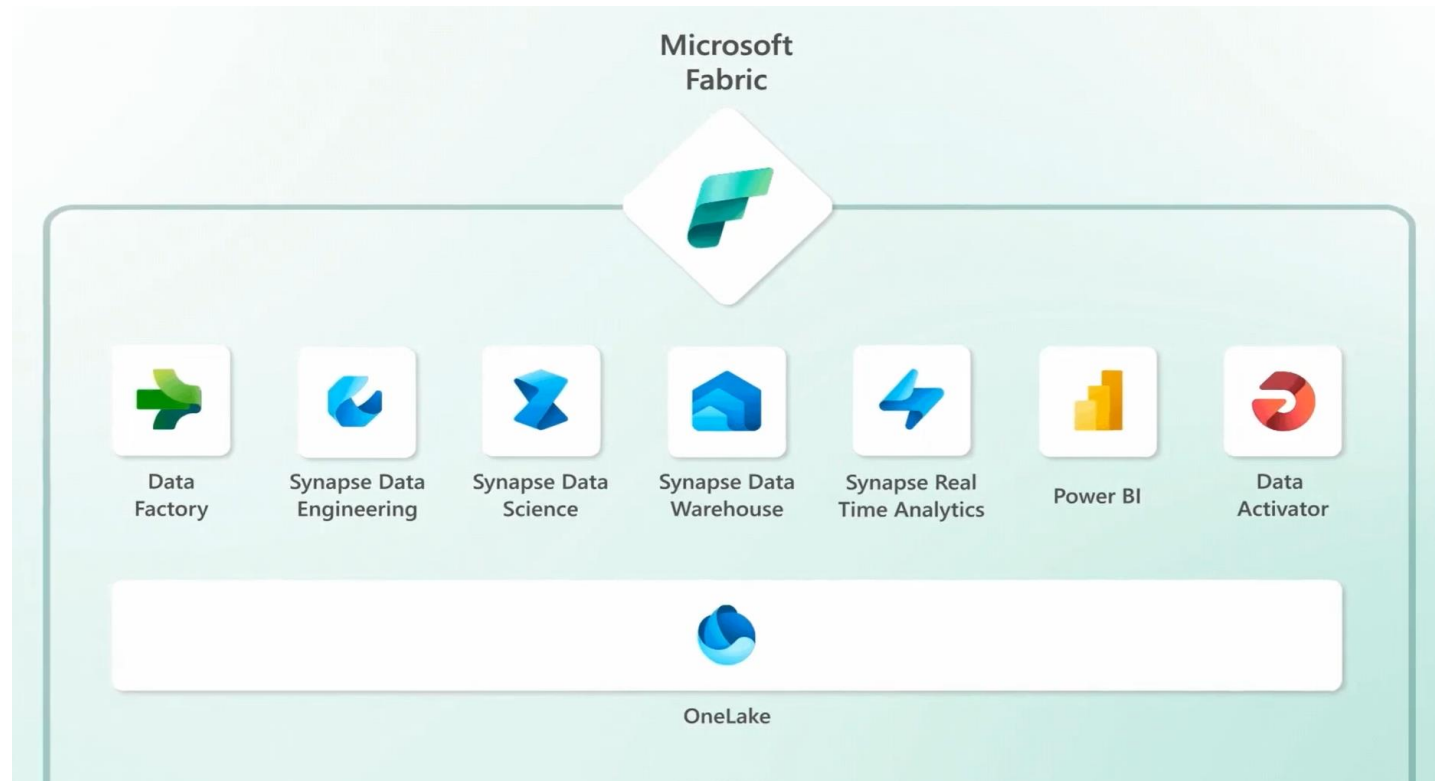


- ▶ Microsoft Fabric vereint neue und vorhandene Komponenten aus Power BI, Azure Synapse und Azure Data Explorer in einer einzigen integrierten Umgebung.



# MS Fabric

- ▶ Datalake der für die perfekte Trennung von storage und compute sorgt.

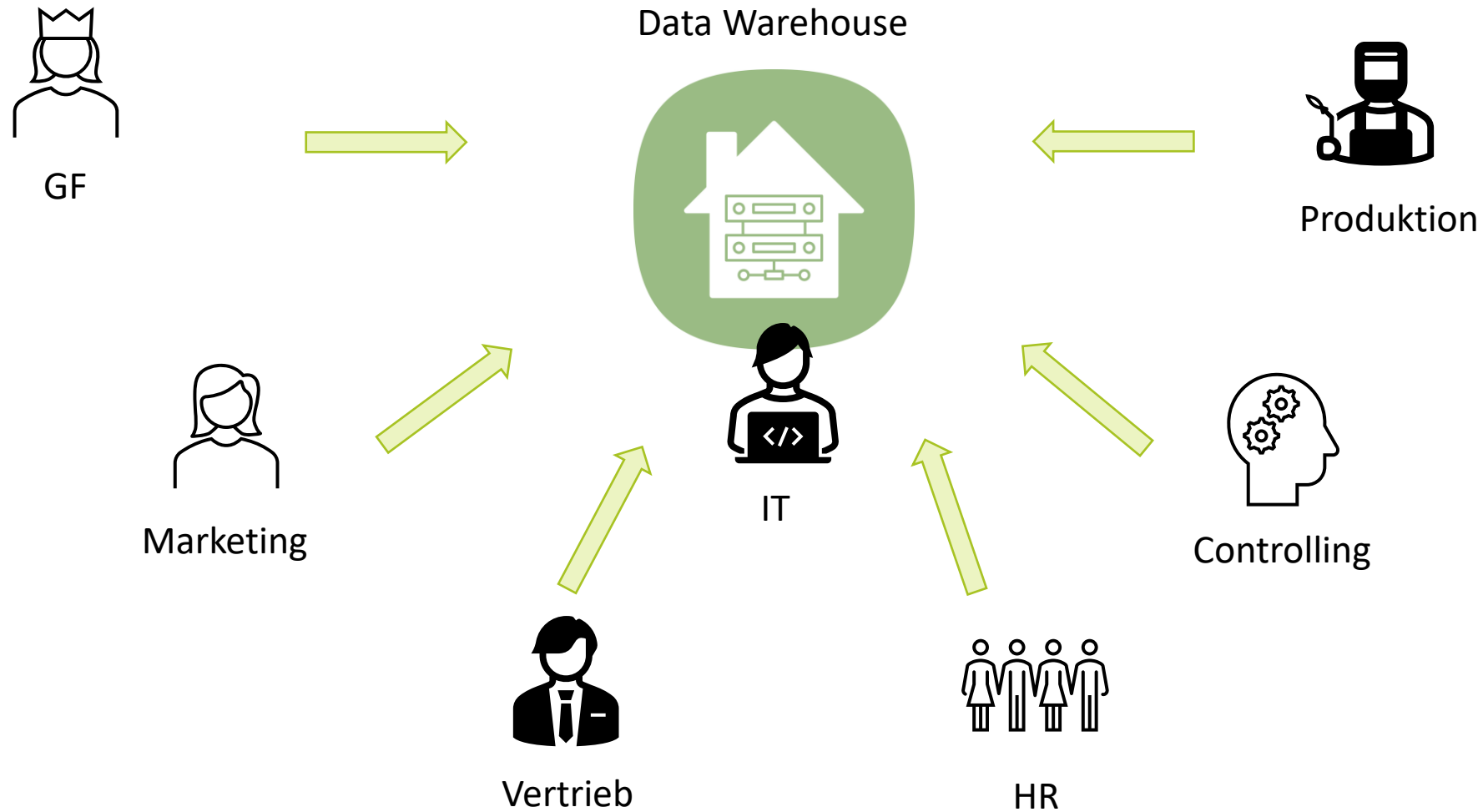


# Prozesstechnische Vorteile

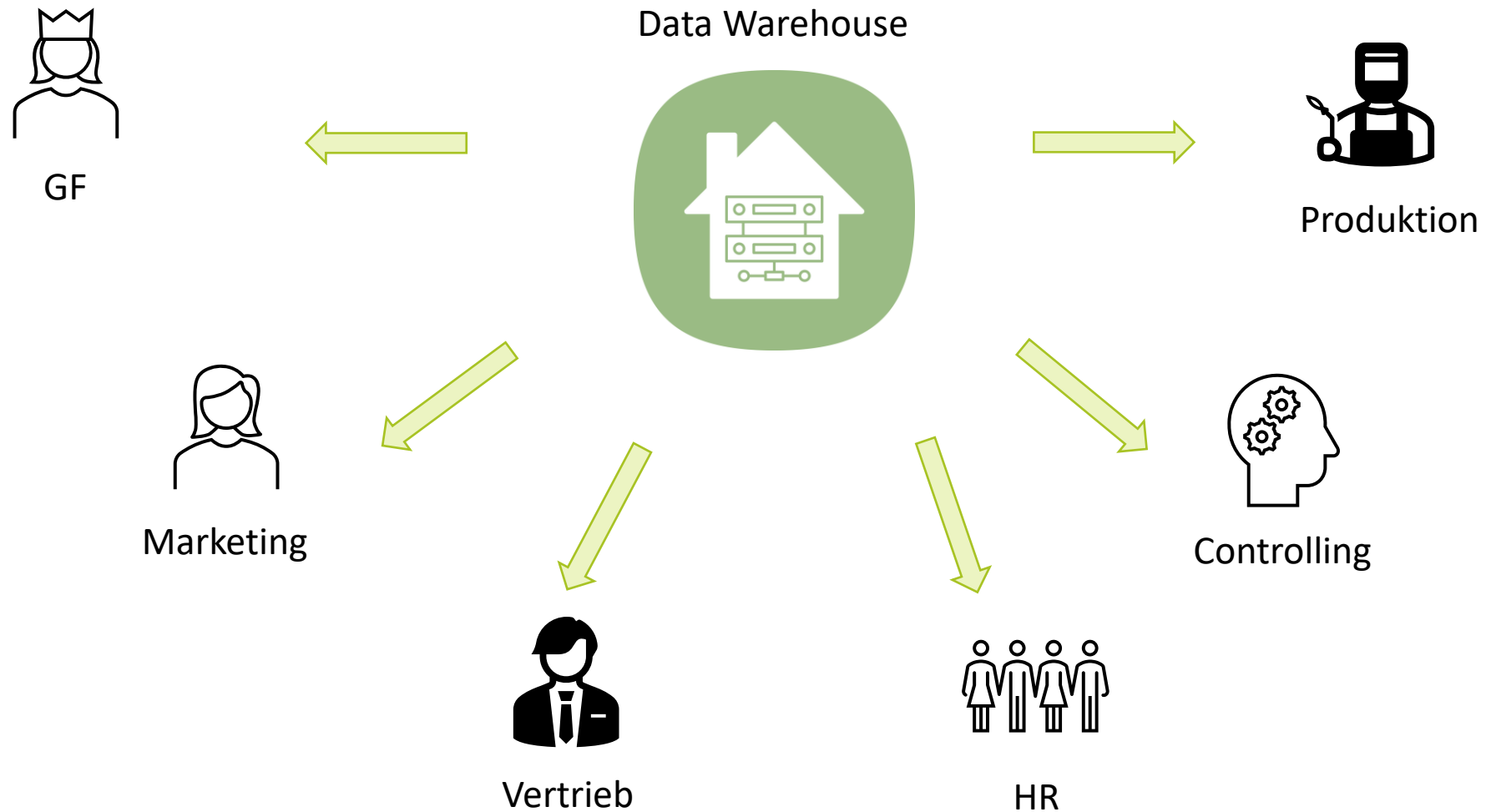
Data Warehouse



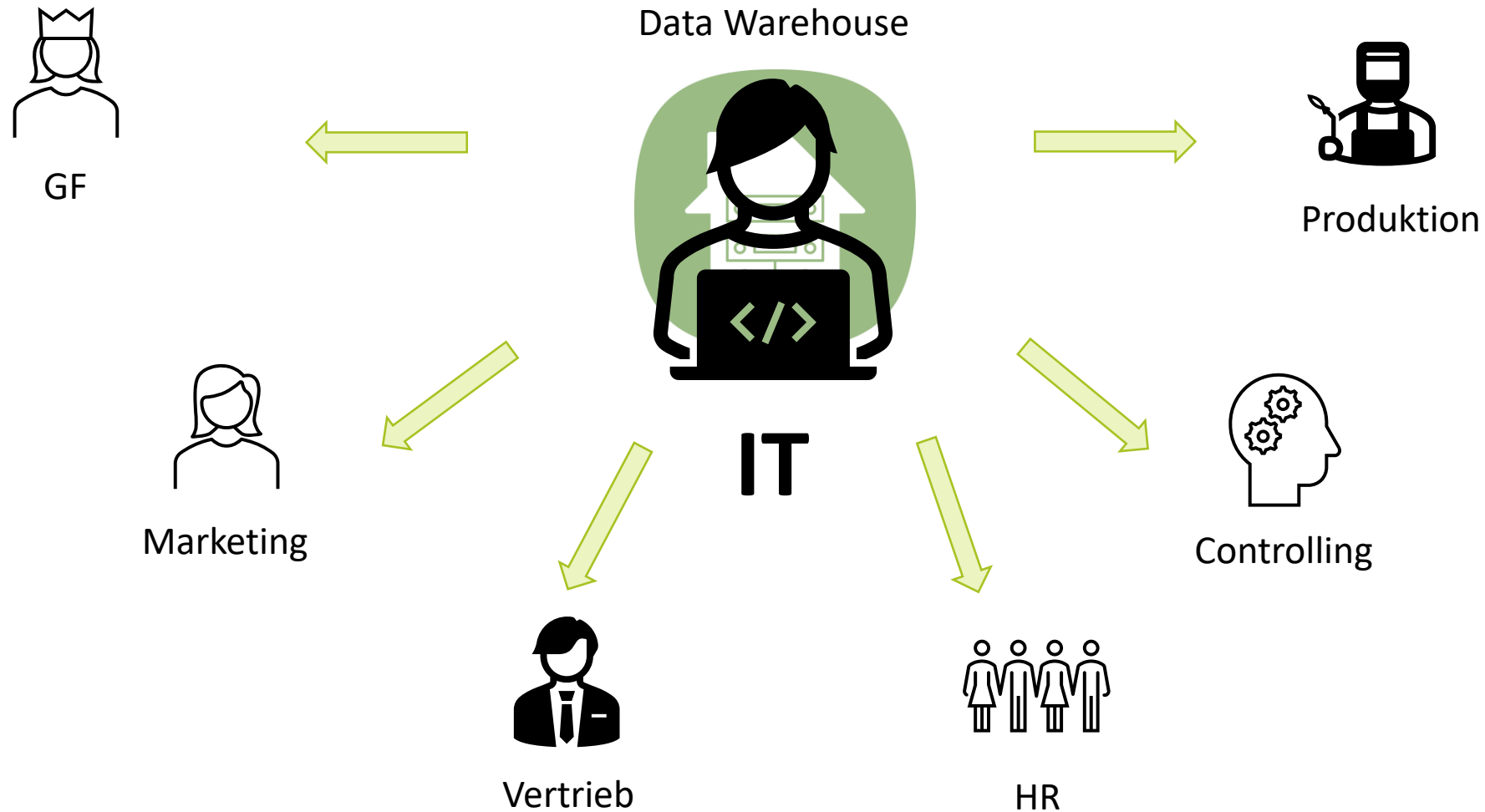
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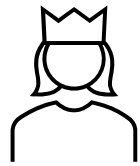
# Prozesstechnische Vorteile



# Prozesstechnische Vorteile

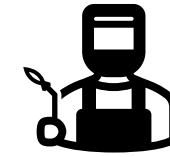


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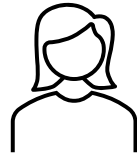


GF

One Lake



Produktion



Marketing



Controlling

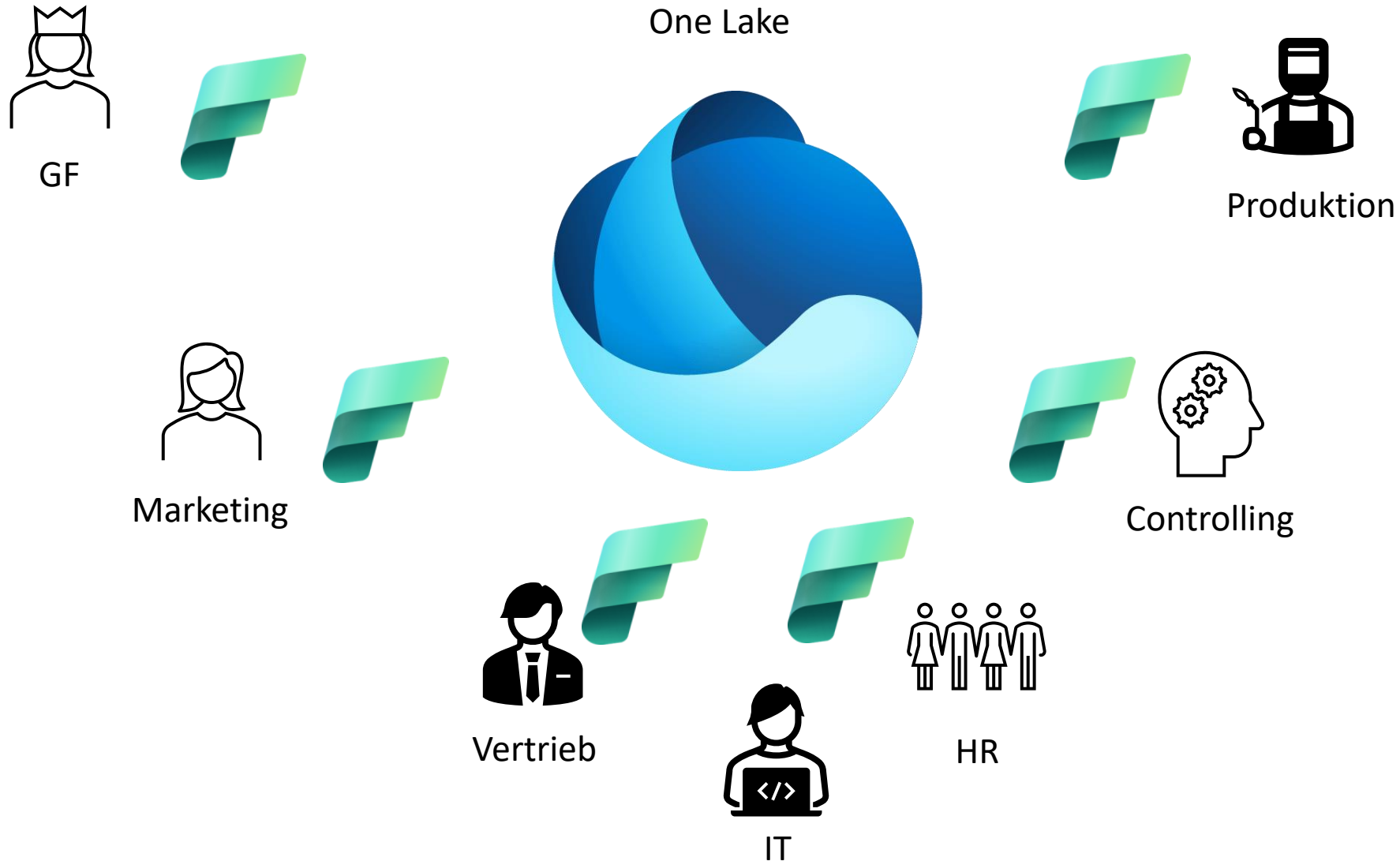


Vertrieb



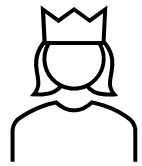
HR

# Prozesstechnische Vorteile



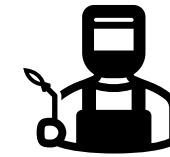


# Prozesstechnische Vorteile

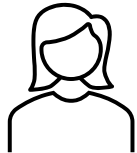


GF

One Lake



Produktion



Marketing



Controlling

**Data Mesh?**



Vertrieb



HR



IT

One Lake



**Parquet Delta Format**

# Live Umgebung

# Anwendungs-KI







# Anbindung an OpenAI

reviews Rated


| ABC review                      | ABC rating                      | ABC message.content    | ABC Rated_reviews | ABC Classification  |
|---------------------------------|---------------------------------|------------------------|-------------------|---------------------|
| "Battery Backup Is ""Ashva...   | Straightaway 8 Hours Of T...    | 5, Durability          | 5                 | Durability          |
| "The packing of this boAT ...   | and it is comfortable after ... | 5, Quality             | 5                 | Quality             |
| "So there are many review...    | seems can break off easily ...  | 1, Discomfort          | 1                 | Discomfort          |
| "It's amazing ...Whoever is ... | sound quality and stylish ...   | 5, Excellent           | 5                 | Excellent           |
| "Overall review:BEST IN CL...   | lows and high( yeah             | 5, Positive            | 5                 | Positive            |
| "Review after one year of ...   | in some mob...READ MORE"        | 5, Comfortable-Battery | 5                 | Comfortable-Battery |
| ""When music hits you           | It doesn't hurt but this hea... | 5, Enjoyable           | 5                 | Enjoyable           |
| "Buy this only if you want"...  | for me its less than the av...  | 4, Satisfactory        | 4                 | Satisfactory        |
| "Buy this only if you want"...  | for me its less than the av...  | 4, Satisfactory        | 4                 | Satisfactory        |
| in Bluetooth connection s...    | 2                               | 2, Mixed               | 2                 | Mixed               |
| I bought in May 2019 and ...    | 2                               | 1,Disappointed         | 1                 | Disappointed        |
| These headphones are abs...     | 2                               | 1, Disappointment      | 1                 | Disappointment      |
| I used this headphone fro...    | 2                               | 2, Quality             | 2                 | Quality             |
| Not suitable for calls, Duri... | 2                               | 1, Audio-Quality       | 1                 | Audio-Quality       |
| After using it for more tha...  | 2                               | 2, Connectivity        | 2                 | Connectivity        |
| Bass is not good 400 rs ea...   | 2                               | 2, Quality             | 2                 | Quality             |
| okay only the sound qualit...   | 2                               | 2, Comfort             | 2                 | Comfort             |
| Overall very good product...    | 2                               | 4, Sound-Quality       | 4                 | Sound-Quality       |
| Ossum headphones boug...        | 2                               | 5, Satisfaction        | 5                 | Satisfaction        |
| Thought it's a great budge...   | 2                               | 2, Disappointed        | 2                 | Disappointed        |



# Anbindung an OpenAI

 Table  Chart | Zeilen 1 – 10 werden angezeigt  

 Überprüfen

| ipVia | 12 Freight | ABC ShipName       | ABC ShipAddress       | ABC ShipCity   | ABC ShipRegion | ABC ShipPostalCode | ABC ShipCountry |  NewOrderDate | ABC Continent | ABC message.content |
|-------|------------|--------------------|-----------------------|----------------|----------------|--------------------|-----------------|--|---------------|---------------------|
|       | 81.91      | HILARION-Abas...   | Carrera 22 con Av...  | San Cristóbal  | Táchira        | 5022               | Venezuela       | 2021-07-16   | NULL          | South America       |
|       | 48.29      | Rattlesnake Can... | 2817 Milton Dr.       | Albuquerque    | NM             | 87110              | USA             | 2021-07-22   | NULL          | North America       |
|       | 66.29      | GROSELLA-Rest...   | 5ª Ave. Los Palos ... | Caracas        | DF             | 1081               | Venezuela       | 2021-07-30   | NULL          | South America       |
|       | 4.56       | White Clover M...  | 1029 - 12th Ave. S.   | Seattle        | WA             | 98124              | USA             | 2021-07-31   | NULL          | North America       |
|       | 84.81      | LILA-Supermerc...  | Carrera 52 con Av...  | Barquisimeto   | Lara           | 3508               | Venezuela       | 2021-08-16   | NULL          | South America       |
|       | 12.76      | Ricardo Adocica... | Av. Copacabana, 2...  | Rio de Janeiro | RJ             | 02389-890          | Brazil          | 2021-08-22   | NULL          | South America       |
|       | 79.7       | Comércio Mineiro   | Av. dos Lusíadas, 23  | Sao Paulo      | SP             | 05432-043          | Brazil          | 2021-08-27   | NULL          | South America       |
|       | 0.12       | LILA-Supermerc...  | Carrera 52 con Av...  | Barquisimeto   | Lara           | 3508               | Venezuela       | 2021-09-03   | NULL          | South America       |
|       | 257.62     | Old World Delic... | 2743 Bering St.       | Anchorage      | AK             | 99508              | USA             | 2021-09-13   | NULL          | North America       |
|       | 47.3       | Hungry Owl All-... | 8 Johnstown Road      | Cork           | Co. Cork       | NULL               | Ireland         | 2021-09-19   | NULL          | Europe              |



# Vielen Dank

## FRAGEN ???



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