Accelerating Data Insights

Introduction to WADE Data Platform Automation

Our Background
Warehousing, Automation & Data Engineering

WADE Insight is a SaaS Provider within the data platform **governance**, **orchestration**, and **automation acceleration** space. Our product development was initiated in 2020 and WADE was founded in 2021.

Our mission is:

- ✓ We deliver the fastest time to market and most cost-effective data insights.
- ✓ Our delivery is truly agile focusing on data driven business needs.
- ✓ We keep it simple.

Proud to be part of:

Microsoft Partner

Independent Software Vendor (ISV) Success Program *Private Preview*
Microsoft

databricks

WADE

WADE Foundation
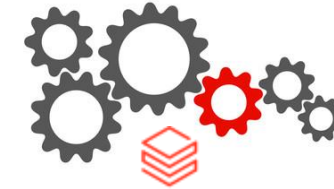*Accelerating data insights*

Time to Value

Cuts development time with over 80% via low-code metadata driven data platform automation and orchestration.

Adopting to business needs

WADE offers a seamless multi-target Data Platform experience out-of-the box. Supporting on-premise, Azure cloud and Databricks Data lakehouse and any combination of those in parallel.

Customize Data Orchestration

Develop custom notebooks to orchestrate complex data transformations, machine learning or big data processing in Databricks.
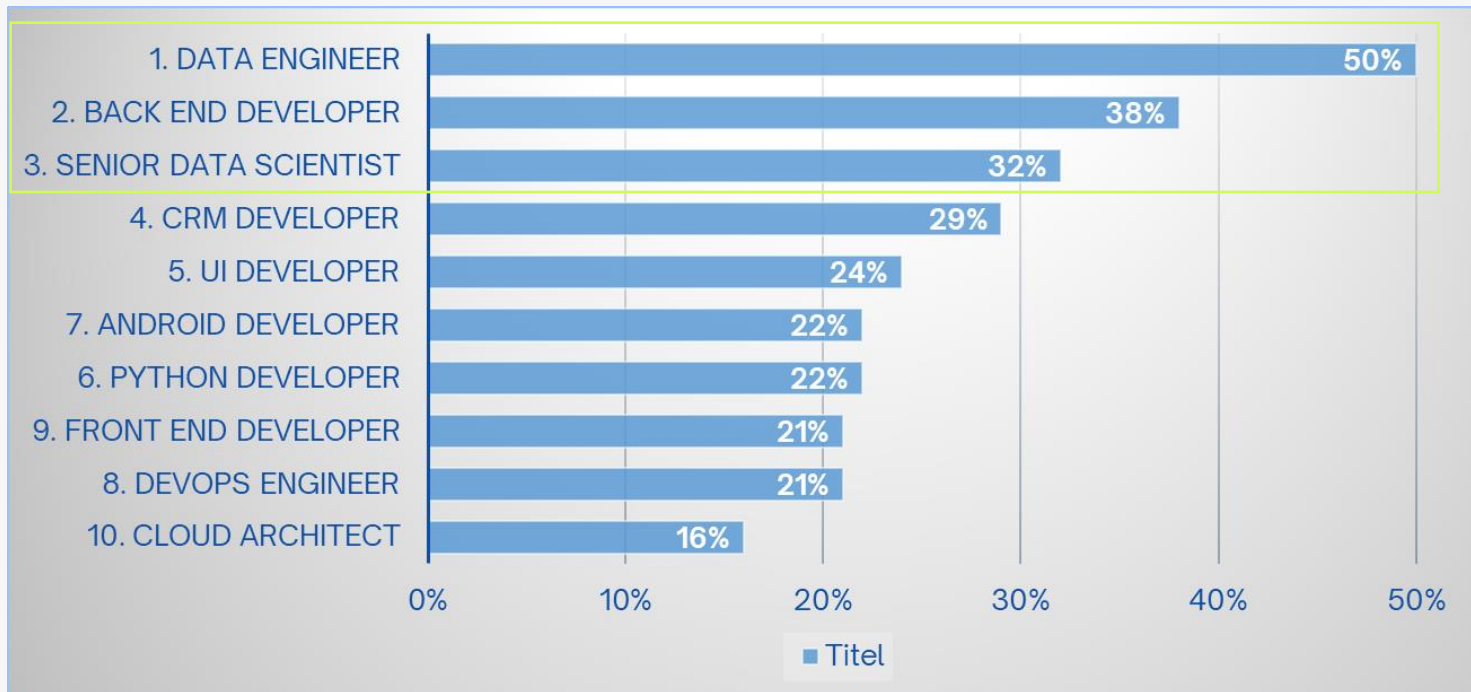
Managing Business Constraints

- Internal business and IT competences
- Consultant dependency
- Limited maintenance organization
- Time & Budget constraints

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Competence Shortage

Data Platform competences – The fastest growing demand globally

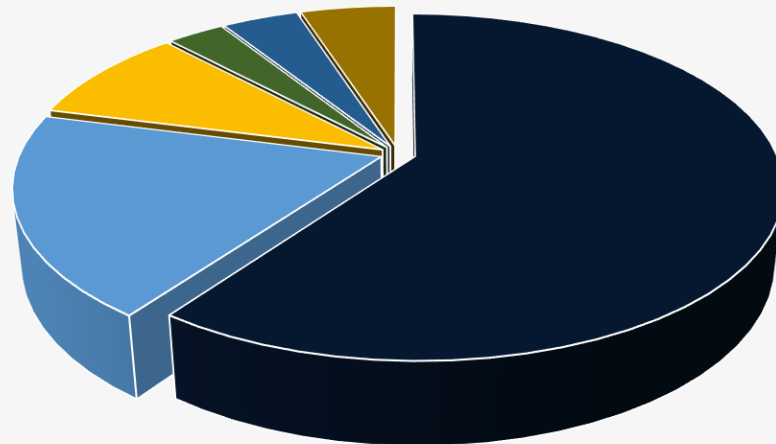| Rank	Role	Percentage
1.	DATA ENGINEER	50%
2.	BACK END DEVELOPER	38%
3.	SENIOR DATA SCIENTIST	32%
4.	CRM DEVELOPER	29%
5.	UI DEVELOPER	24%
7.	ANDROID DEVELOPER	22%
6.	PYTHON DEVELOPER	22%
9.	FRONT END DEVELOPER	21%
8.	DEVOPS ENGINEER	21%
10.	CLOUD ARCHITECT	16%

■ Titel

Source: 2022 State of Data Engineering Survey

WADE will create a **sustainable** and resource independent working **environment**
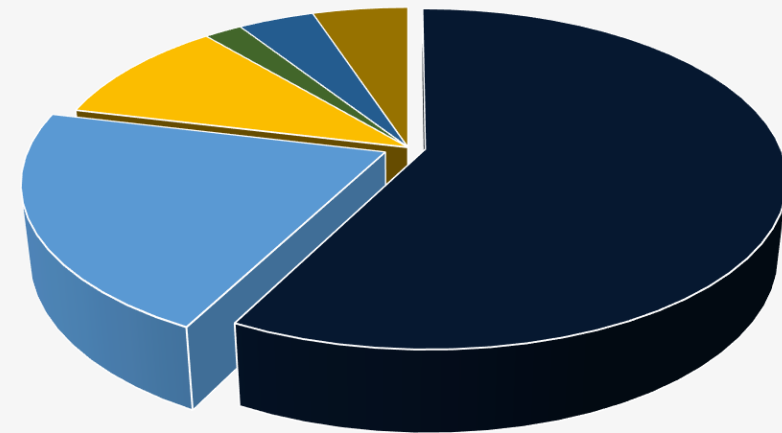
Care for your people

Where are BI resources spending most of their time?

- Clean and prep data 60%
- Collect data 19%
- Analyze data 9%
- Build datasets 3%
- Optimize algorithms 4%
- Other 5%

Source: 2022 State of Data Engineering Survey

What are **the least stimulating** tasks to spend time on?

- Clean and prep data 57%
- Collect data 21%
- Build datasets 10%
- Analyze data 2%
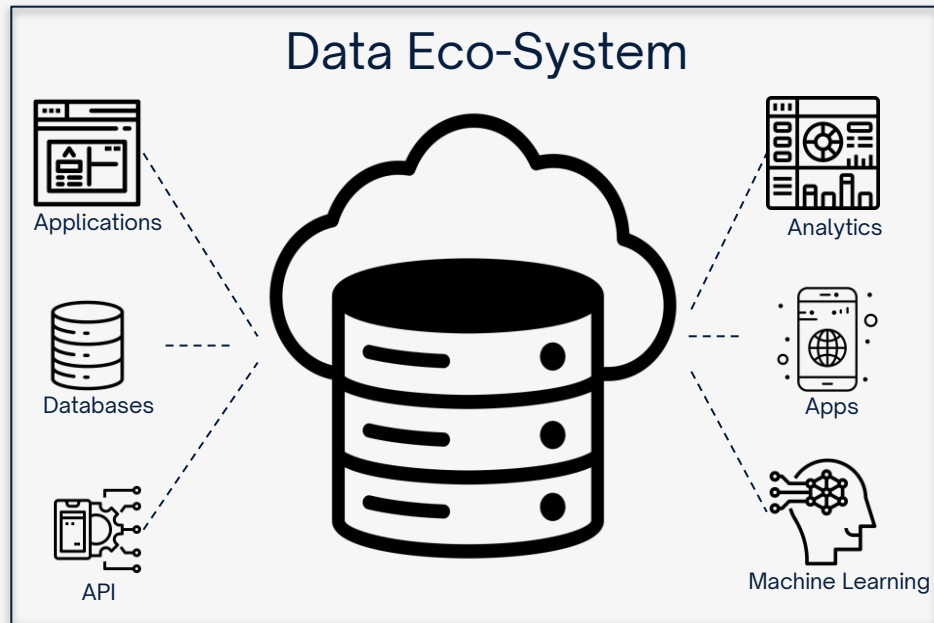- Optimize algorithms 4%
- Other 5%

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Focus your people on business growth

- **WADE** enables data engineers and scientists to spend 80-90% more time on value adding tasks.

- **WADE** makes it simple by:

  - Free up time for key competences
  - Minimize internal/external resource dependencies
  - Follow best practices
  - Shift focus from technology to business insight
  - Reduce time to value

Your Data – Your Terms

Data Eco-System

Applications

Databases

API

Analytics

Apps

Machine Learning

WADE

Data **Governance**

Data **Preparation**

Data **Enablement**

Data **Orchestration**

WADE **enables** you to:

- Replace countless of data pipelines with **ONE** generic.
- Transform all source formats into **ONE** Parquet format.
- Replace all SQL development with **ONE** metadata format.

Without taking away the possibility to:

- Manage your data on your terms
  - Build own data pipelines.
  - Build custom notebooks to enable ex ML/AI.
  - Introduce 3rd party services in your data flows.

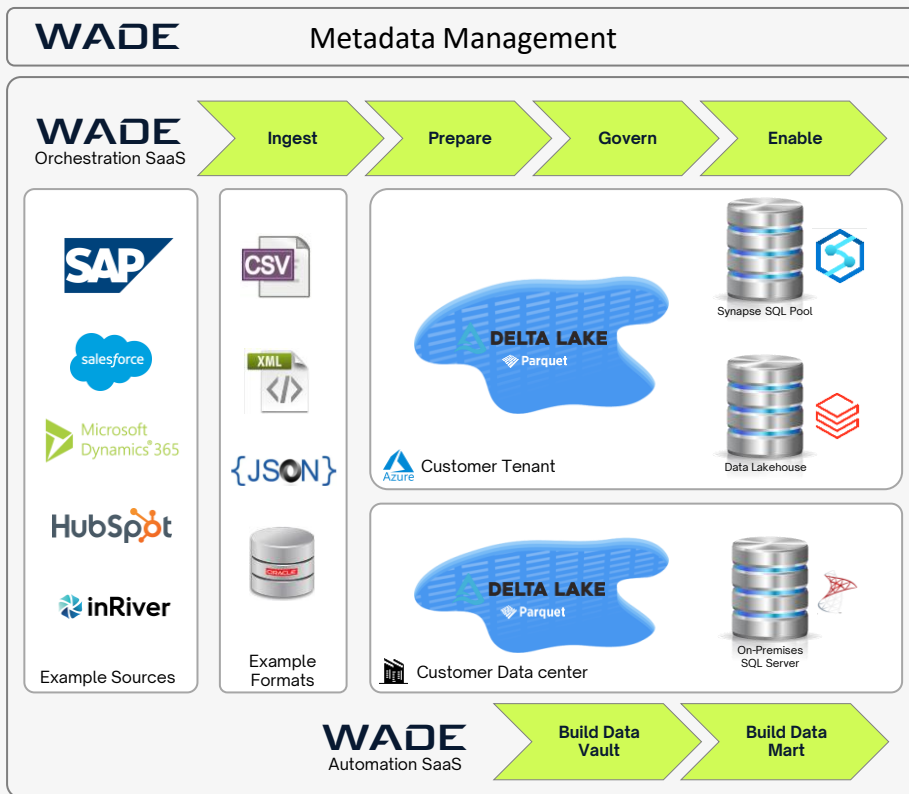# Multi-Target Data Platform
One SaaS supporting multiple purposes

Supporting multiple business needs

WADE Automation and Orchestration works seamless between multiple target platforms. The same process and metadata can be used between your Azure SQL Pool, Databricks Data Lakehouse or on-premise SQL Server data platform(s).

Depending on your business needs move between database, data lakehouse or on-premise targets, or run all in parallel.

For on-premise business cases, re-use all metadata for a smooth cloud migration. Future proofing your data platform investment.

Our offering

Analytics	
Machine Learning / AI	
Data Consumption API:s	
Data Governance	
Data Quality Management	
Service Provisioning	

Data Model Automation
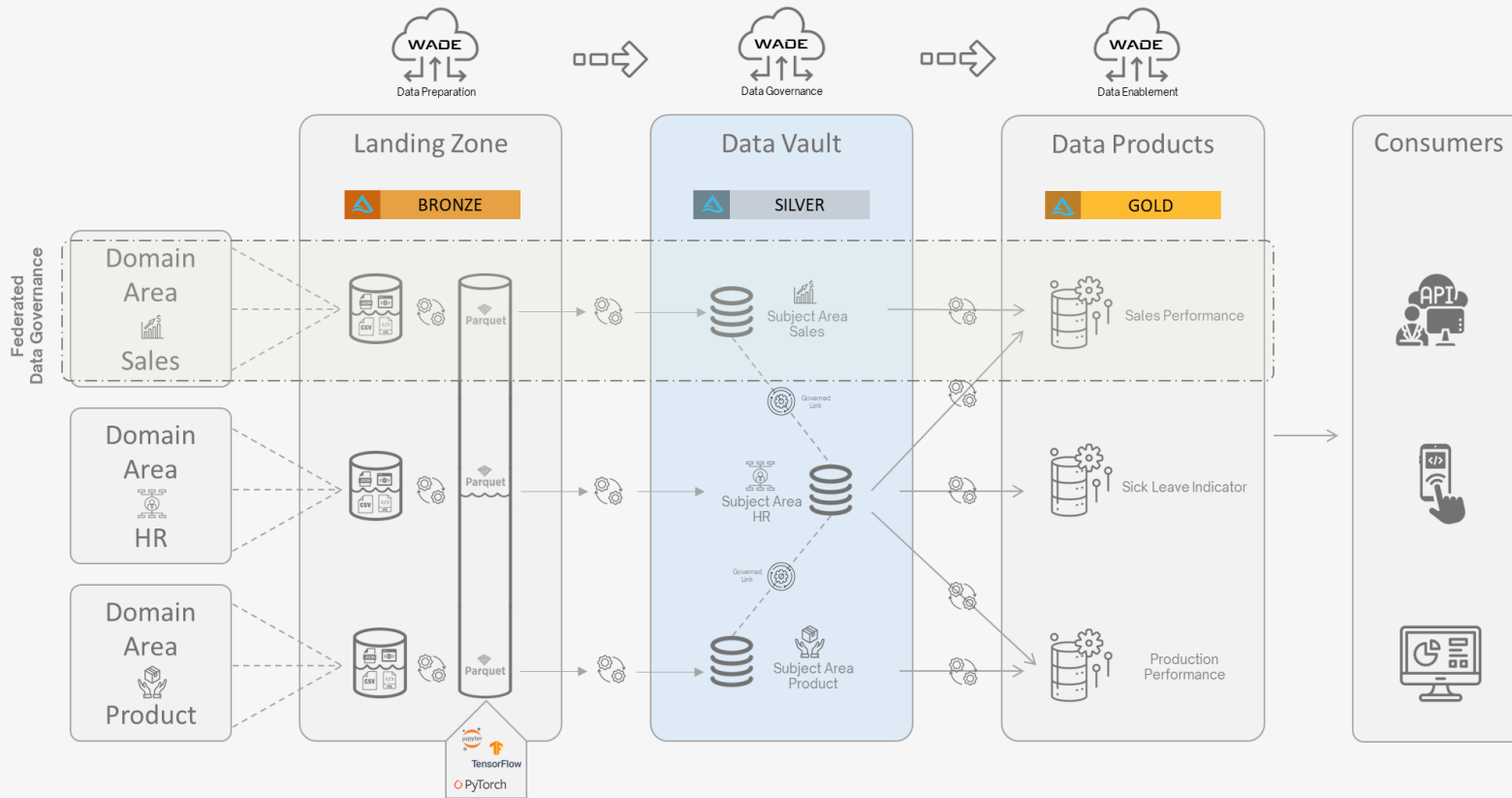*Create Data Vault & Kimball models on the fly*

Data Orchestration
Extract, transform and load internal and external data sources

Best Practices
Based upon Microsoft & Databricks Reference arch.

Data Governance
Manage data entities and access rights

Data Model Templates
Pre-built data models for standard data source systems

Build Your Automated and Self-served Data Mesh Infrastructure

Domain Ownership
Data Vault supporting Data Domain Separation

Federated Governance
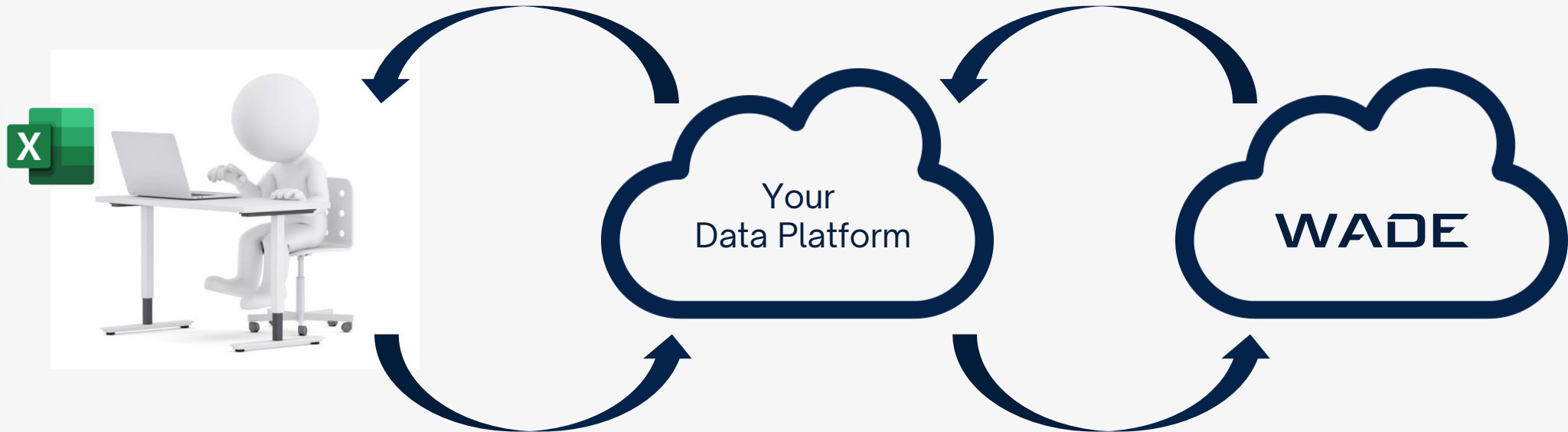*Data Product interoperability through standardization*

Data as a product
Product thinking beyond the data domain

Self-serve data infrastructure platform
Maintain interoperable data products for all domains

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Working with WADE SaaS
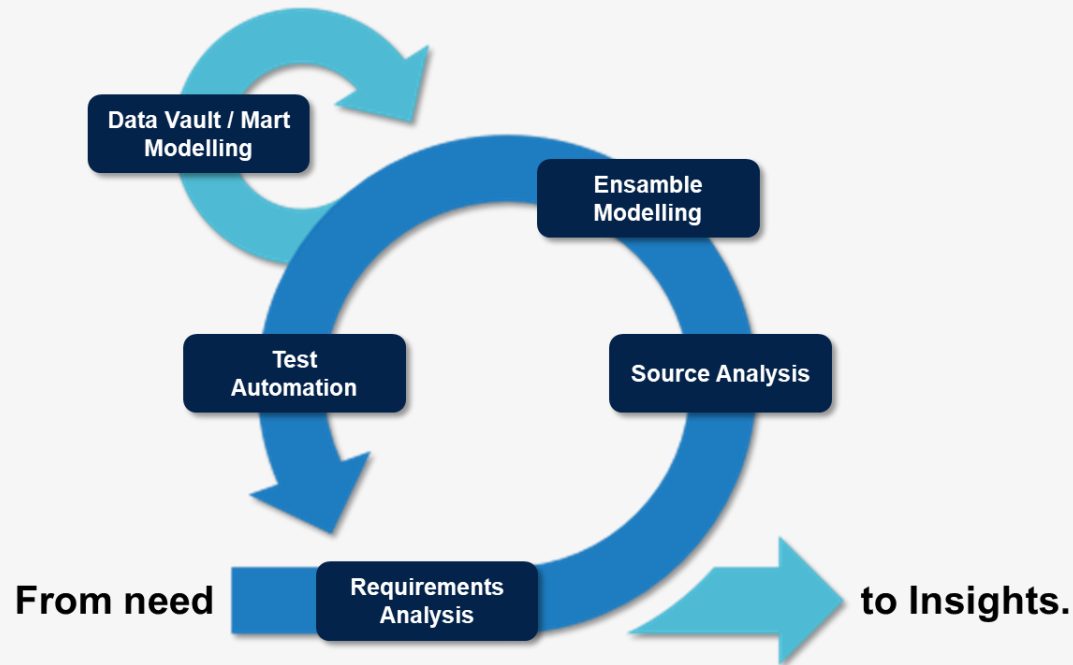*A low-code experience*

Your
Data Platform

WADE

- Design your data vault and kimball models in our intuitive excel templates.
- Configure data sources and data flows in our orchestration templates.

- Utilize the WADE data factory pipeline to push your templates to WADE SaaS.
- Set target environment and if the resulting packages should be directly installed or made available for manual handling in your tenant.

- WADE SaaS validates and test the received metadata. Any issues will be communicated to you. Our engines create the needed automation packages.
- The orchestration engine is ready to manage your data platform.

Enabling data driven business decisions
WADE Agile Data Insights Methodology

From need ... **to Insights.**

Data Vault / Mart Modelling
Ensamble Modelling
Source Analysis
Test Automation
Requirements Analysis

1. Define analytical use case and KPIs in scope
Interview business stakeholders

2. Analyze defined data sources

3. Ensemble Modelling
Workshops with business stakeholders

4. Data Modelling (Silver & Gold Layer)
→ WADE Automation

5. Test and validate outcome
→ WADE Automation

6. Setup Data Lakehouse Orchestration
→ WADE Orchestration

7. Build business capabilities
BI report, AI, Machine Learning

The Commercials
SaaS via Microsoft Marketplace

- We keep it **simple**, **cost** and **resource efficient**!

- **To keep it simple** - Our service is procured via [Microsoft Marketplace](#) under Microsoft Terms and Conditions.

- **To keep it cost efficient** - Our billing model is consumption based. Subscribing to our service is free of charge. Utilizing our API's renders costs. Our billing dashboards will always show your historical and current consumption.

Piloting WADE
Try before you Subscribe

Legend	
WADE	(dark blue)
Customer	(green)
Shared	(gradient)

Activity	Week 1					Week 2				
Setup of Data Lakehouse architecture and WADE	■									
Pilot data delivery (.csv preferred)	■									
Pilot data analysis		■								
Ensemble modelling			■							
Data Vault modelling och automation (Silver layer)				■						
Data Mart modelling och automation (Gold layer)				■						
Create fact table					■					
Create Power BI report							■			
Workshop – Pilot walk through								■		
Pilot summary and next steps									■	

→ *When Pilot is completed a fully operational dev/sandbox environment is ready for project use*

WADE

Thank You!

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