LICENSA Empowered 2025 Wien

Microsoft Fabric: KI trifft Daten – jetzt wird’s smart!

Referent:

Theo Seyffertitz,
Presales Services Consultant Cloud

Agenda

01	Microsoft Fabric Licensing & Costs
02	Unified Architecture for Data, BI & AI
03	Capacity models with Microsoft Fabric
04	How to switch from Power BI Premium to Microsoft Fabric

Microsoft Fabric

Fabric is a unified data platform that integrates Data Engineering, Data Factory, Data Science, Data Warehouse, Real-Time Intelligence, Business Intelligence (BI) and Partner and Industry solutions into a single SaaS environment. It's built on OneLake and supports Power BI, Spark, SQL, Data Factory, and more…

Microsoft Fabric Purchasing Options

Fabric has following purchasing options:

- a flexible pay-as-you-go (PAYG) option **or** a reserved capacity option

SKU	Capacity Units (CUs)	Hourly Rate (USD)	Monthly Rate (USD)	Reservation (1-Year) Monthly Rate (USD)
F2	2	$0.36	$262.80	~$156.33
F4	4	$0.72	$525.60	~$312.66
F8	8	$1.44	$1,051.20	~$625.33
F16	16	$2.88	$2,102.40	~$1,250.66
F32	32	$5.76	$4,204.80	~$2,501.33
F64	64	$11.52	$8,409.60	~$5,002.66
F128	128	$23.04	$16,819.20	~$10,005.33
F256	256	$46.08	$33,638.40	~$20,010.66
F512	512	$92.16	$67,276.80	~$40,021.33
F1024	1024	$184.32	$134,553.60	~$80,042.66
F2048	2048	$368.64	$269,107.20	~$160,085.33

- Using reserved capacity requires an annual commitment. Reservation pricing offers approximately a 40% discount compared to pay-as-you-go rates.
- Fabric capacities are billed per second, with a minimum charge per minute, allowing for granular cost control.

Microsoft Fabric Capacities and SKUs

- Capacity is a distinct pool of resources. The size of the capacity determines the amount of computation power available.

- Each capacity offers a selection of SKUs, and each SKU provides different resource tiers for computing power.

SKU*	Capacity Units (CU)	Power BI SKU	Power BI v-cores
F2	2	N/A	N/A
F4	4	N/A	N/A
F8	8	EM1/A1	1
F16	16	EM2/A2	2
F32	32	EM3/A3	34
F64	64	P1/A4	8
F128	128	P2/A5	16
F256	256	P3/A6	32
F512**	512	P4/A7	64
F1024**	1024	P5/A8	128
F2048**	2048	N/A	N/A

* In the Microsoft 365 or Embed for your organization (user owns data) scenario, SKUs that are smaller than F64 require a Pro or Premium Per User (PPU) license, or a Power BI individual trial to consume Power BI content.
**These SKUs aren't available in all regions.

Microsoft Fabric Additional Considerations

Storage Costs: OneLake storage is billed separately at appr. USD 0,023 per GB per month

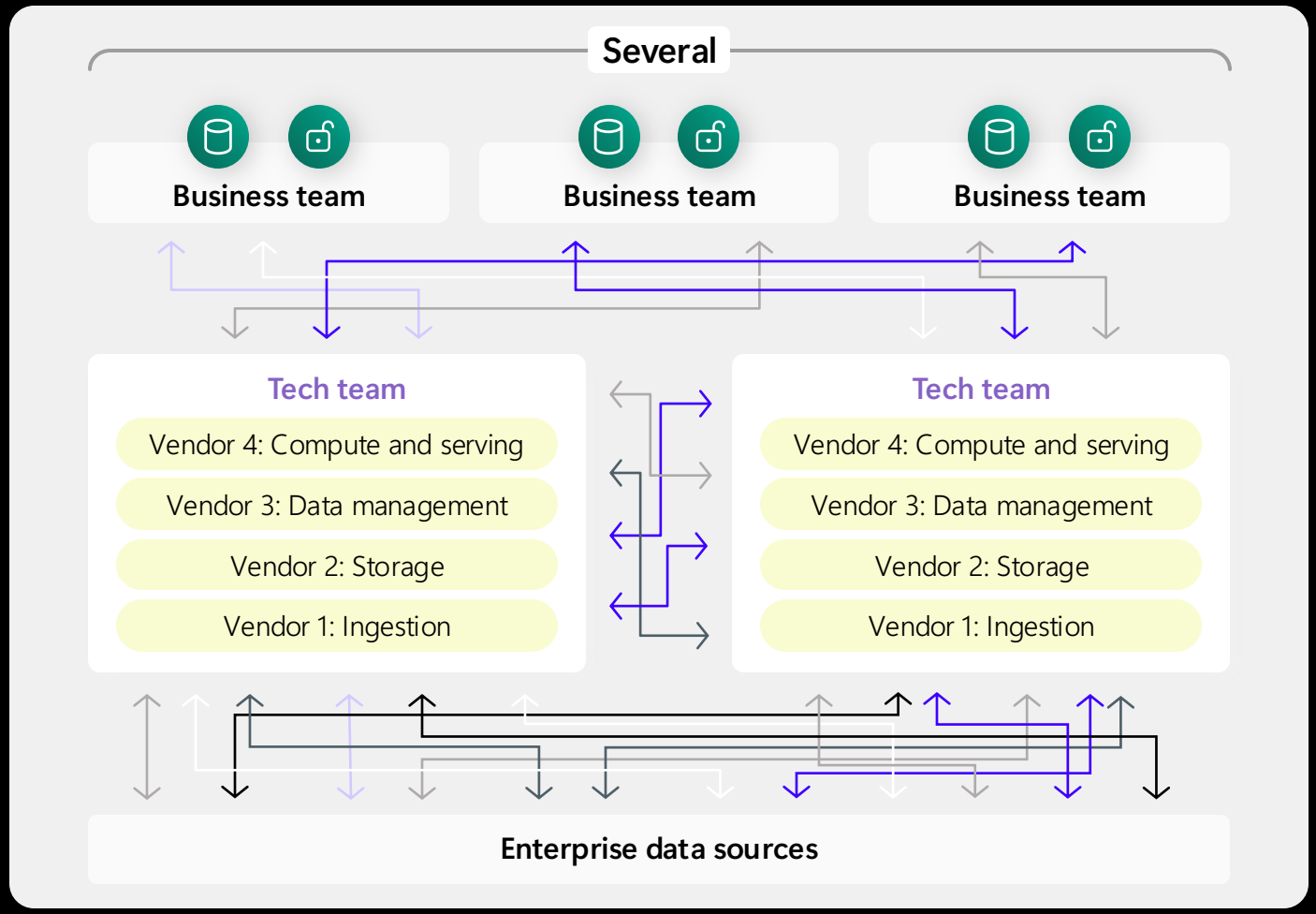
Storage	Price
OneLake storage/month**	$0.023 per GB
OneLake BCDR storage/month	$0.0414 per GB
OneLake cache/month*	$0.246 per GB

Auto-Scale Feature: Enabling auto-scale allows capacities to handle workload spikes be temporarily adding capacity, which incurs additional charges.

Microsoft Copilot in Fabric: Copilot is turned on by default in Fabric. Administrators can turn off Copilot in the Fabric admin portal if customers organization isn't ready to use it.

Enabling Copilot in Fabric means that users can access Copilot across workloads. Consumption-based charges are applied as part of customer existing Fabric Capacity subscription. Customers can monitor their Copilot usage in the Fabric Capacity Metrics App under the operation name "Copilot and AI."

Unified Architecture for Data, BI & AI

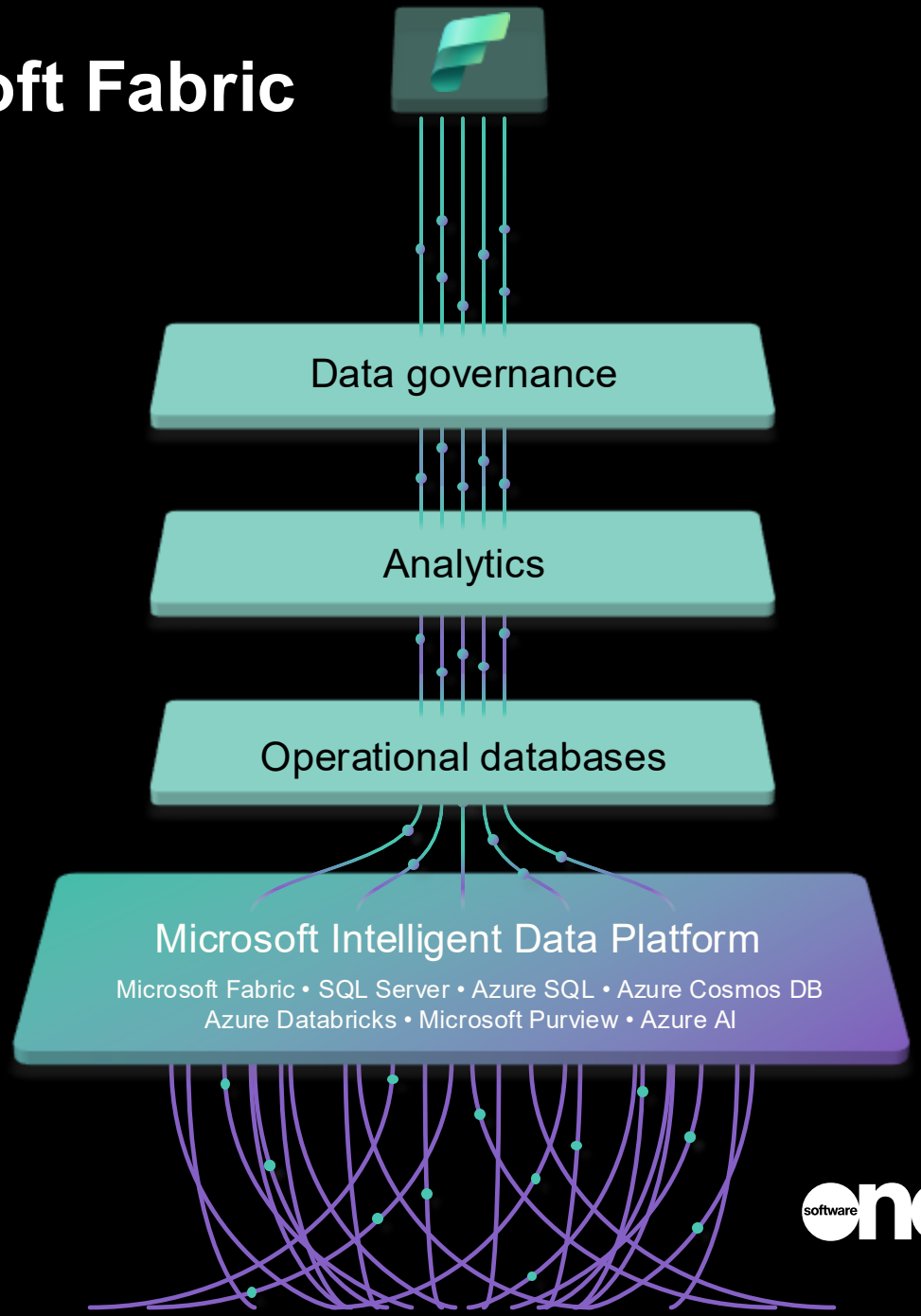


- Central storage of data with OneLake
- One tool set for all roles
- Data Engineer, Analyst, Data Scientist

  Citizen User
- Built-in security and management
- Easily scale through Azure

Flexible capacity models with Microsoft Fabric

- Fabric isn't just a new tool — it's a new operating model for data, AI, and BI that combines financial agility and governance.
- Start with pay-as-you-go for maximum flexibility – switch to Reserved with stable capacity utilization (40% savings possible)
- An integral component of the comprehensive Microsoft Cloud Platform



Microsoft Fabric Capabilities

Empower every business user

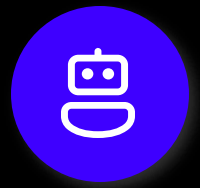
Empower everyone to uncover insights accessible data, easy-to-use tools, and visuals embedded apps they use everyday

Establish a trusted data foundation

Connect to any data from a single, multi-cloud data lake and use a single copy of data across engines

Unify your analytics on a complete, governed platform

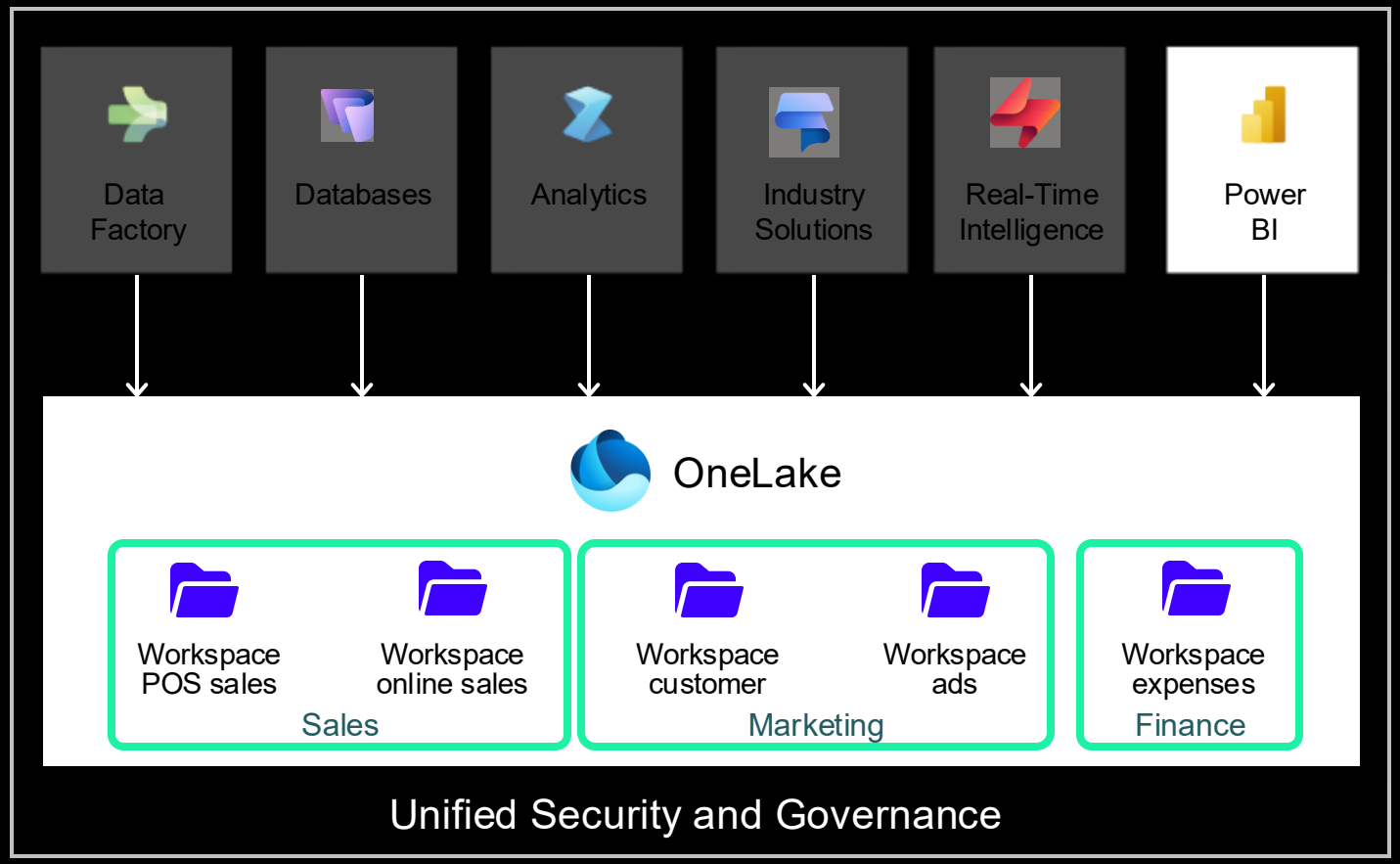
Reduce the cost and effort of integration with a unified, secure, and governed platform



Fuel your AI innovation

Adopt a data platform infused with AI at every layer to help you get more done, faster

Workspace / Domain management in Fabric for Business Areas



Sales Marketing Finance

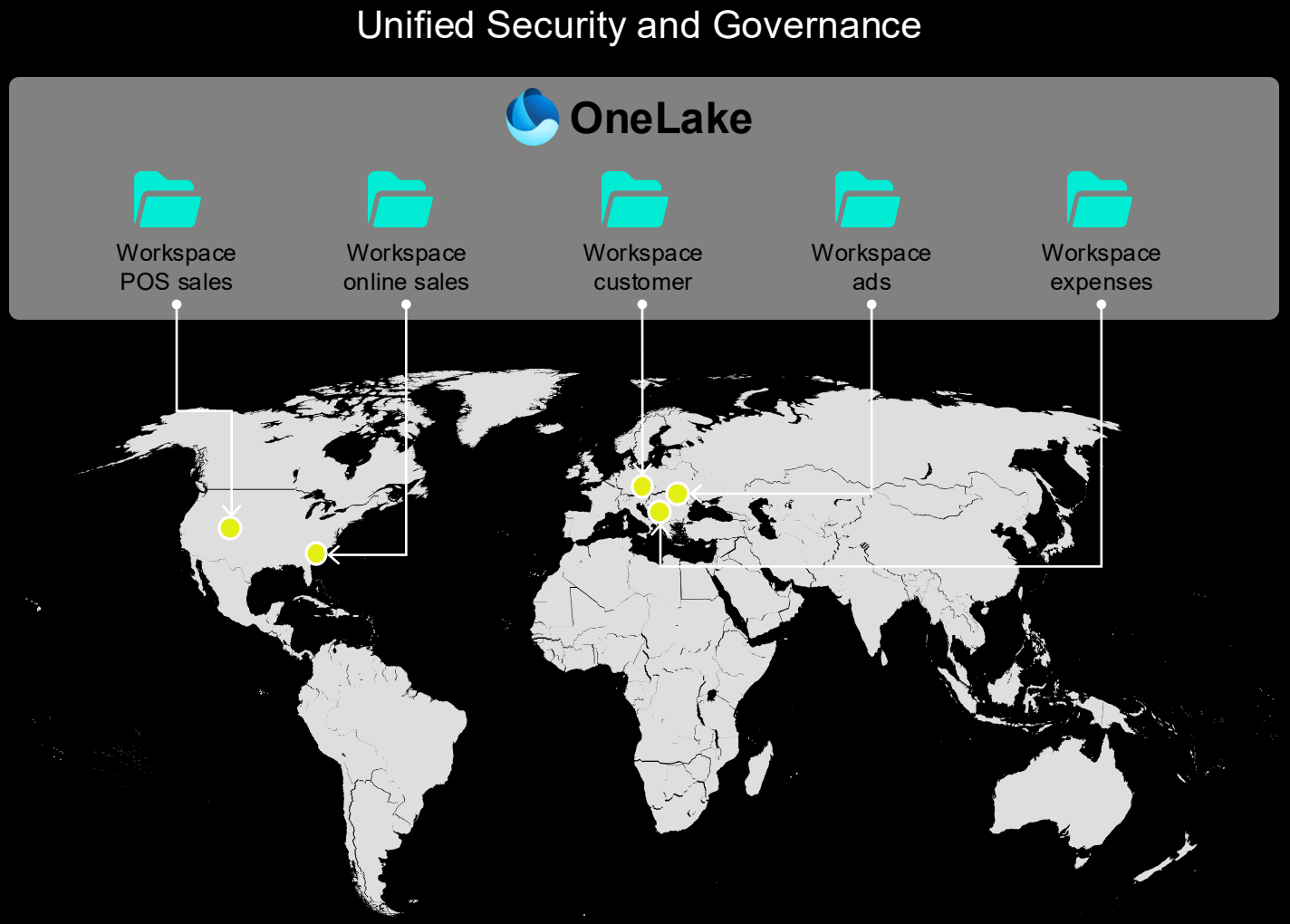
- Central storage of data with OneLake
- One toolset for all roles, allowing collaboration within defined governance boundaries

Workspace / Domain management in Fabric for Business Areas

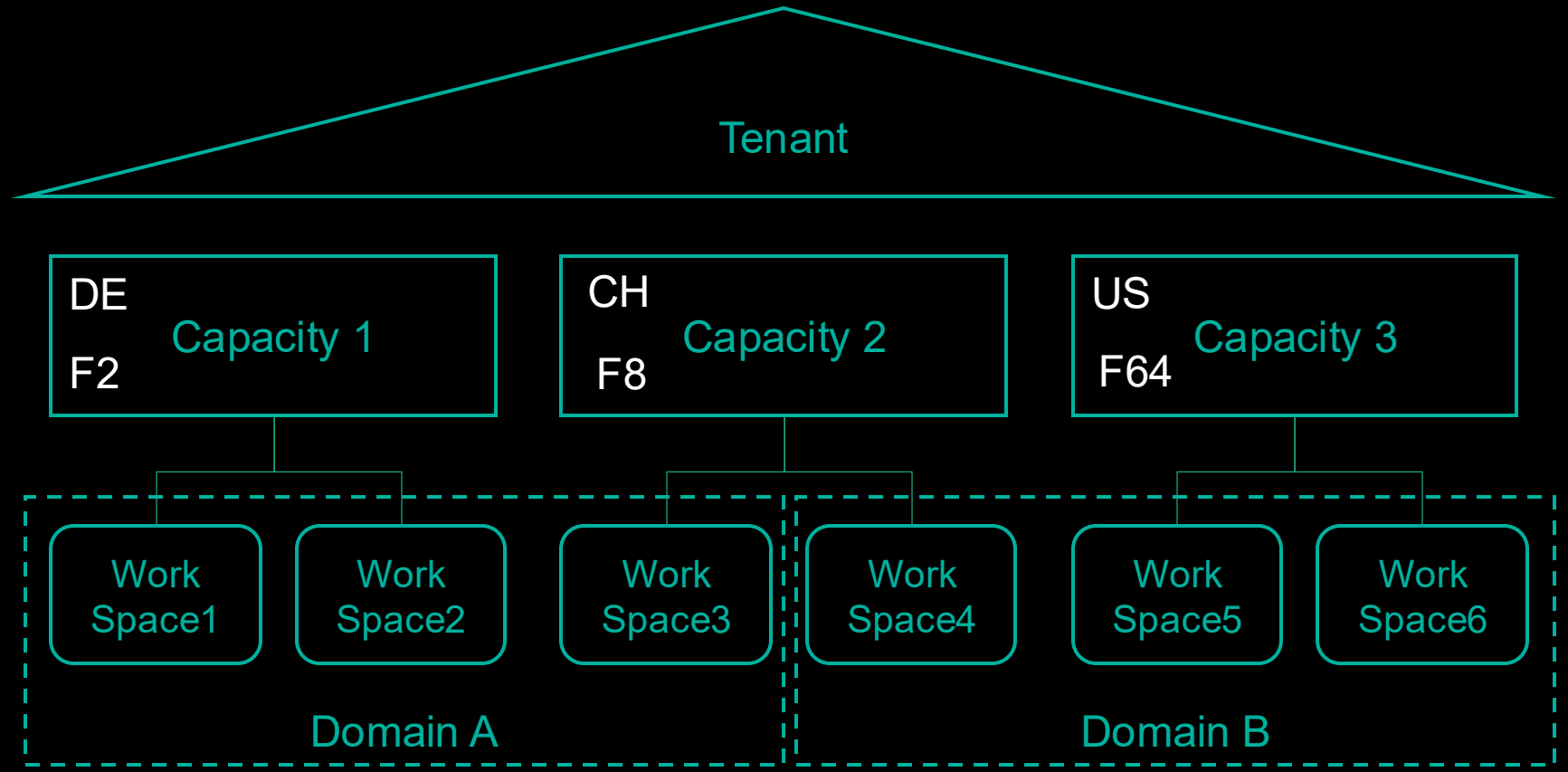
OneDrive
for documents

OneLake
for data

OneLake provides a data lake as a service without you needing to build it



Structure of MS Fabric



PowerBI: The bridge between data and decisions in Fabric

Power BI service

Interactive reports, real-time dashboards, and paginated reports

Custom visualizations

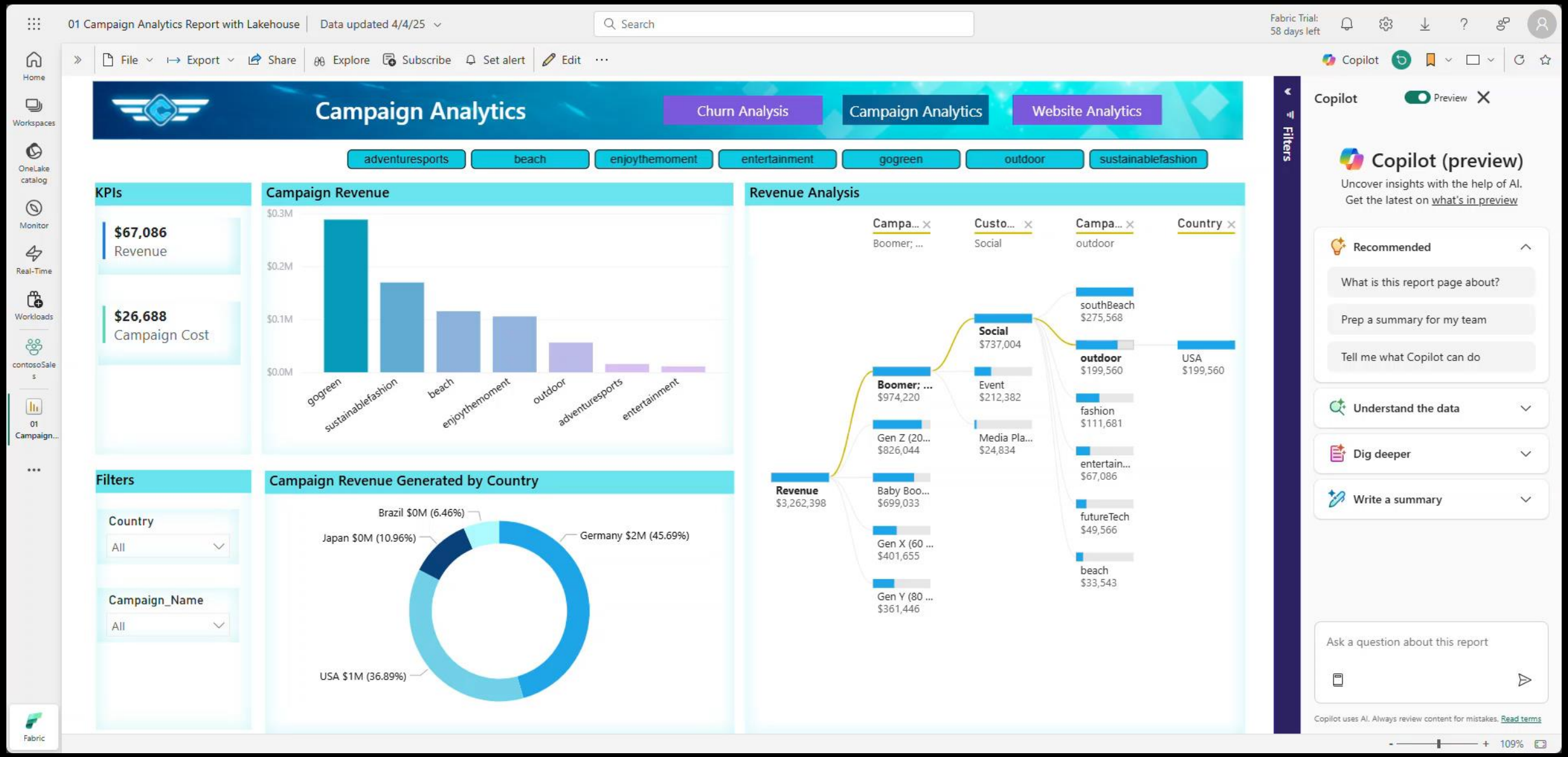
AI-infused insights and intuitive data exploration using natural language query

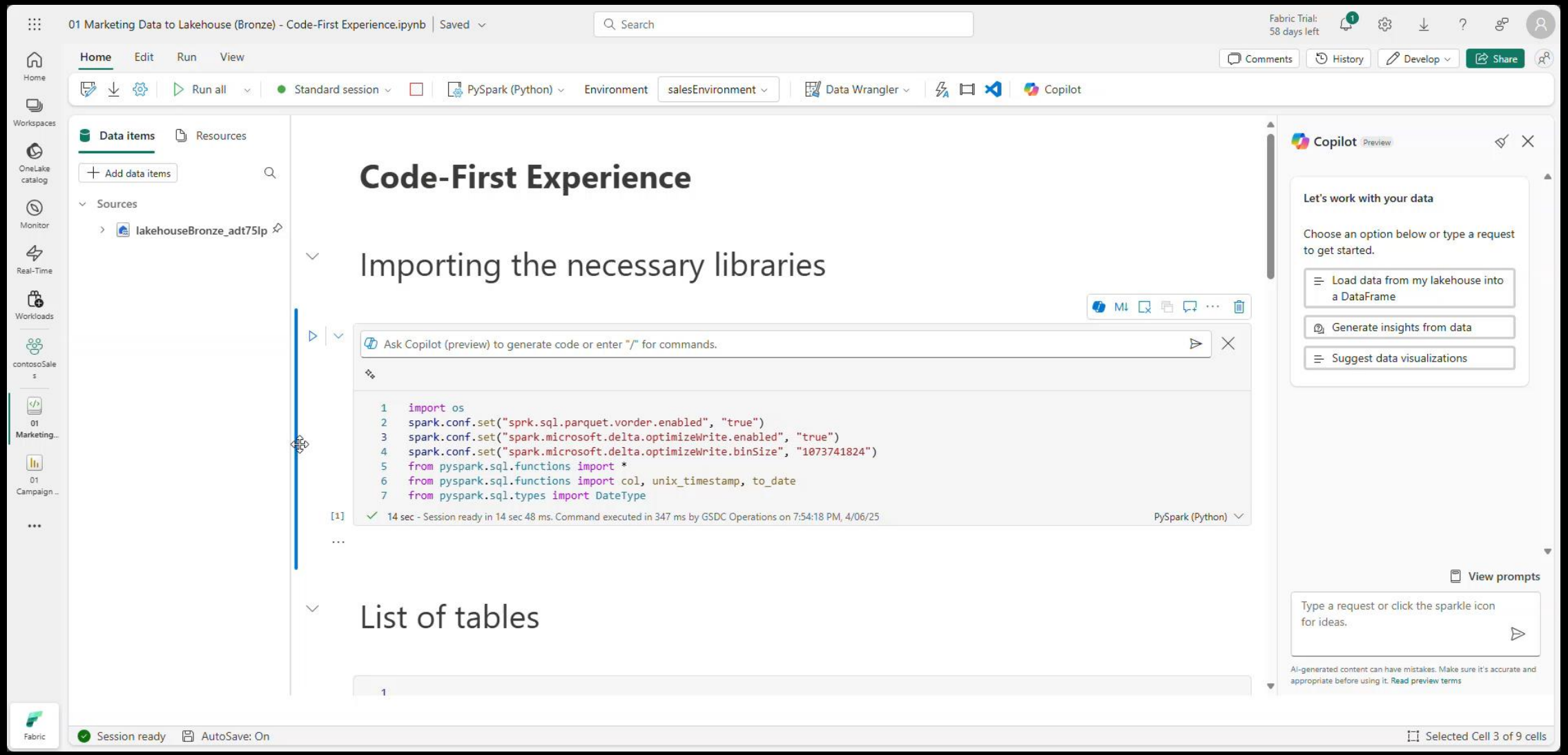
Sharing and collaboration

Powered by AI with Copilot in Microsoft Fabric

OneLake

- “No Silos”
- Real separation of compute and storage
- One copy of data can be read by all engines
- No lock-in with industry standard APIs and open file formats
- Seamlessly connect to more than 170+ data stores


01 Campaign Analytics Report with Lakehouse
Data updated 4/4/25
Search
Fabric Trial: 58 days left
File
Export
Share
Explore
Subscribe
Set alert
Edit
Copilot
Campaign Analytics
Churn Analysis
Campaign Analytics
Website Analytics
adventuresports
beach
enjoythemoment
entertainment
gogreen
outdoor
sustainablefashion
KPIs
$67,086
Revenue
$26,688
Campaign Cost
Campaign Revenue
$0.3M
$0.2M
$0.1M
$0.0M
gogreen
sustainablefashion
beach
enjoythemoment
outdoor
adventuresports
entertainment
Revenue Analysis
Campa...
Boomer; ...
Custo...
Social
Campa...
outdoor
Country
Revenue
$3,262,398
Boomer; ...
$974,220
Gen Z (20...
$826,044
Baby Boo...
$699,033
Gen X (60 ...
$401,655
Gen Y (80 ...
$361,446
Social
$737,004
Event
$212,382
Media Pla...
$24,834
southBeach
$275,568
outdoor
$199,560
fashion
$111,681
entertain...
$67,086
futureTech
$49,566
beach
$33,543
USA
$199,560
Filters
Country
All
Campaign_Name
All
Campaign Revenue Generated by Country
Brazil $0M (6.46%)
Japan $0M (10.96%)
Germany $2M (45.69%)
USA $1M (36.89%)
Filters
Copilot
Preview
Copilot (preview)
Uncover insights with the help of AI.
Get the latest on what's in preview
Recommended
What is this report page about?
Prep a summary for my team
Tell me what Copilot can do
Understand the data
Dig deeper
Write a summary
Ask a question about this report
Copilot uses AI. Always review content for mistakes. Read terms
109%
Home
Workspaces
OneLake catalog
Monitor
Real-Time
Workloads
contosoSales
01 Campaign...
Fabric


01 Marketing Data to Lakehouse (Bronze) - Code-First Experience.ipynb | Saved
Search
Fabric Trial: 58 days left
Home
Edit
Run
View
Comments
History
Develop
Share
Run all
Standard session
PySpark (Python)
Environment
salesEnvironment
Data Wrangler
Copilot
Data items
Resources
Add data items
Sources
lakehouseBronze_adt75lp
Code-First Experience
Importing the necessary libraries
Ask Copilot (preview) to generate code or enter "/" for commands.
import os
spark.conf.set("sprk.sql.parquet.vorder.enabled", "true")
spark.conf.set("spark.microsoft.delta.optimizeWrite.enabled", "true")
spark.conf.set("spark.microsoft.delta.optimizeWrite.binSize", "1073741824")
from pyspark.sql.functions import *
from pyspark.sql.functions import col, unix_timestamp, to_date
from pyspark.sql.types import DateType
[1]
14 sec - Session ready in 14 sec 48 ms. Command executed in 347 ms by GSDC Operations on 7:54:18 PM, 4/06/25
PySpark (Python)
List of tables
Copilot Preview
Let's work with your data
Choose an option below or type a request to get started.
Load data from my lakehouse into a DataFrame
Generate insights from data
Suggest data visualizations
View prompts
Type a request or click the sparkle icon for ideas.
AI-generated content can have mistakes. Make sure it's accurate and appropriate before using it. Read preview terms
Session ready
AutoSave: On
Selected Cell 3 of 9 cells

Microsoft Fabric combines 7 workloads for end-to-end analytics

Designed to target specific personas and tasks, yet work together seamlessly

Data Factory	Unify your data estate with a data integration experience and 300+ data transformations to easily solve the most complex ETL scenarios
Data Engineering	Enable data engineers to design, build, and maintain infrastructures at scale using World-class Spark platform with great authoring experiences to
Data Warehouse	Provide industry-leading SQL performance and scale, fully separating compute from storage for independently scaling and natively storing data in open Parquet/Delta Lake
Data Science	Empower data scientists and analysts to quickly build, deploy, and operationalize sophisticated AI directly within Fabric
Real Time Intelligence	Ingest streaming data with high granularity, dynamically transform streaming data, query data in real-time for instant insights, and trigger actions
Power BI	Make better, data-driven decisions with the world's leading business intelligence platform that turns unrelated sources of data into coherent, interactive insights

Microsoft Fabric creates real value

Technical

Centralized data storage with OneLake

Integrated workloads (BI, AI, real-time, engineering)

No more redundant data storage necessary

Organizational

One platform instead of fragmented tools

Reduced operational overhead for IT & governance

Copilot & Self-Service empower all teams

Business

Faster insights → faster decisions

Better time-to-value for projects

Flexible operating model saves costs

**Microsoft Fabric unifies data, tools, and teams—
and accelerates data-driven value creation.**

Data and AI

Data-driven, AI-powered

Professional Services

Data Foundations

Analytics and AI

Advisory Services

Envision a data-driven and AI-powered future and align business outcomes

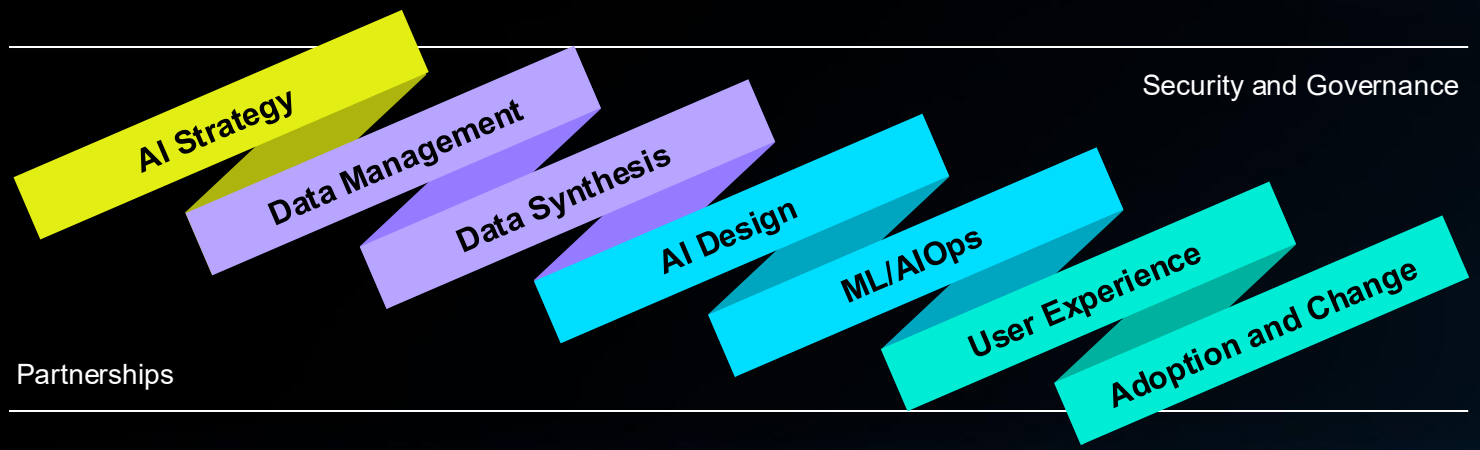
Platform Services

Establish a strong technology and governance foundation

Solution Services

Gain a competitive edge with tailor-made data and AI solutions

SoftwareOne Intelligence Fabric



Breadth of capabilities

From GenAI employee productivity software to data modernisation to custom AI-powered applications

Proven data and AI expertise

400+ data and AI experts

Specialised knowledge of leading data sources and platforms

Ecosystem synergy

Partnerships with 30+ of the leading data and AI solution providers

Commercial excellence

Enterprise-grade digital transformation for businesses of all sizes

SoftwareOne is your partner of choice for Microsoft Fabric

Example of a typical SoftwareOne PoC with Microsoft support

1

MS Fabric Setup
Implantation of trail of Fabric (F64). Walkthrough Fabric to get a full overview.

2

PoC Development
Implement complex SQL transformations. Create a basic Power BI report.

3

Presentation
Present the PoC (on-site) to SoftwareOne.

The Proof of Concept (PoC) aims to validate requirements within the IT system. This will be used to design and execute a full implementation plan for the data loading pipeline.

Key Takeaways

Microsoft Fabric is more than Power BI

A unified platform for data integration, analytics, and AI – with OneLake as the central store, Copilot as the AI companion, and full governance.

New Operating Model = More Flexibility & Control

With pay-as-you-go or Reserved Instance, Fabric adapts to your budget. The Metrics app provides full transparency about usage and utilization.

Start now – shape the future

Migration is easy, support from Microsoft available. Companies that make the switch early secure an innovative edge in BI & AI.

SoftwareOne IT Campus

Technische Fachkraft für Daten mit Microsoft Fabric

Besuchen Sie unser Training zum Thema!

In diesem Kurs lernen Sie, Microsoft Fabric für Datentechnik-Lösungen einzusetzen und effektive Muster für Datenladen, Architektur und Orchestrierung zu entwickeln.

Dabei werden das Erfassen, Transformieren, Sichern, Verwalten und Überwachen von Daten behandelt.

Kurs: DP-700T00

Jetzt anmelden →

Q&A

Thank you

Get in Touch

Theo Seyffertitz
Presales Services Consultant Cloud

theo.seyffertitz@softwareone.com

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