Azure Community Thailand

Lead the AI era with Microsoft Cloud

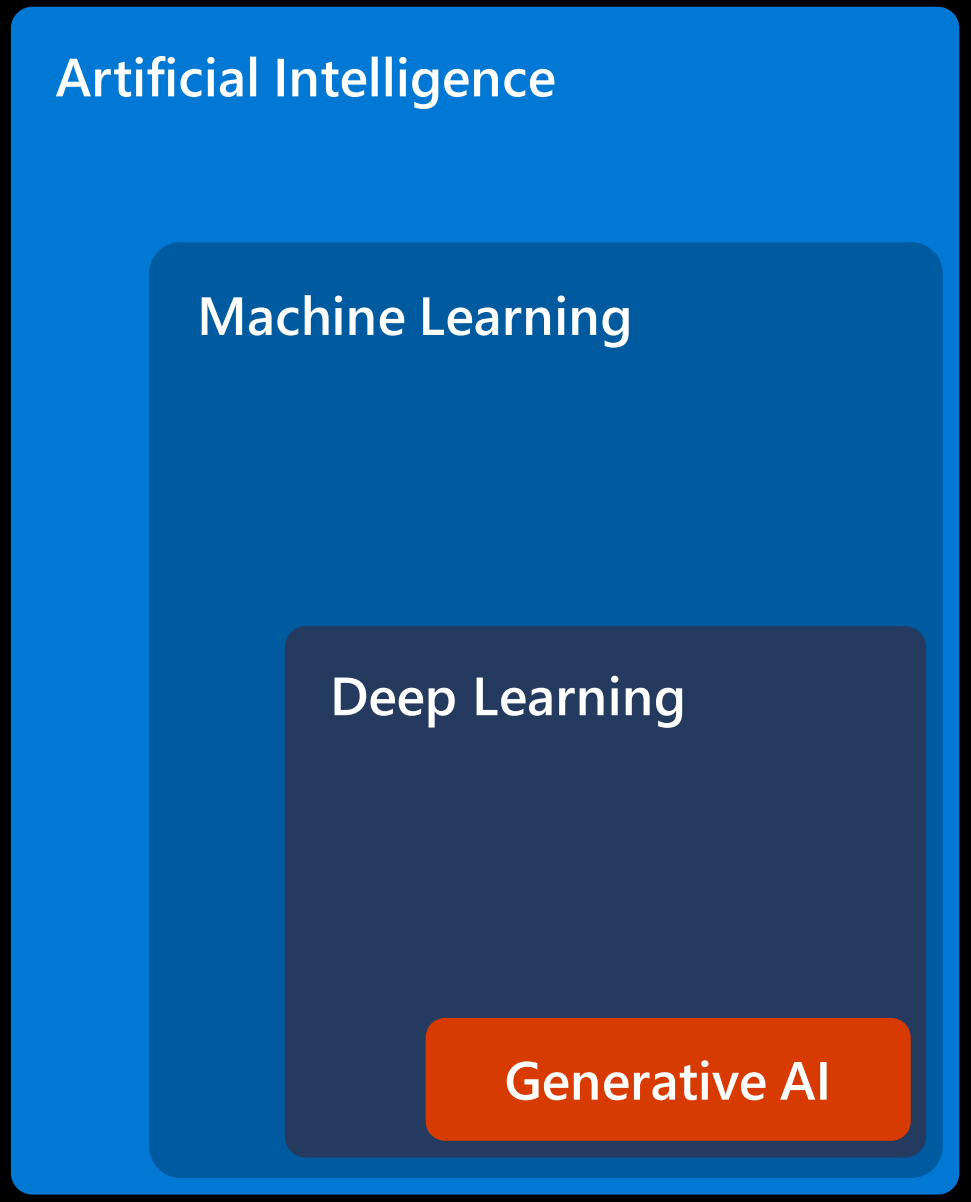
Krit Kamtuo
Partner Solution Architect Lead Data&AI – ASEAN ISV partners
Microsoft ASEAN

Join us for the Azure Developer Day

26 Aug 2023, 8:30 AM – 5:30 PM | Seven Peaks and Digital Event

Featured partners and communities:

Microsoft · SEVEN PEAKS · T.T.Software Web Application Expert · .NET Thailand · Spark Tech Thailand · CLOUD NC · Codeanook · mvpskill · NEXT FLOW Take You to New Technology · THAI PROGRAMMER สมาคมโปรแกรมเมอร์ไทย



1956

Artificial Intelligence

the field of computer science that seeks to create intelligent machines that can replicate or exceed human intelligence

1997

Machine Learning

subset of AI that enables machines to learn from existing data and improve upon that data to make decisions or predictions

2017

Deep Learning

a machine learning technique in which layers of neural networks are used to process data and make decisions

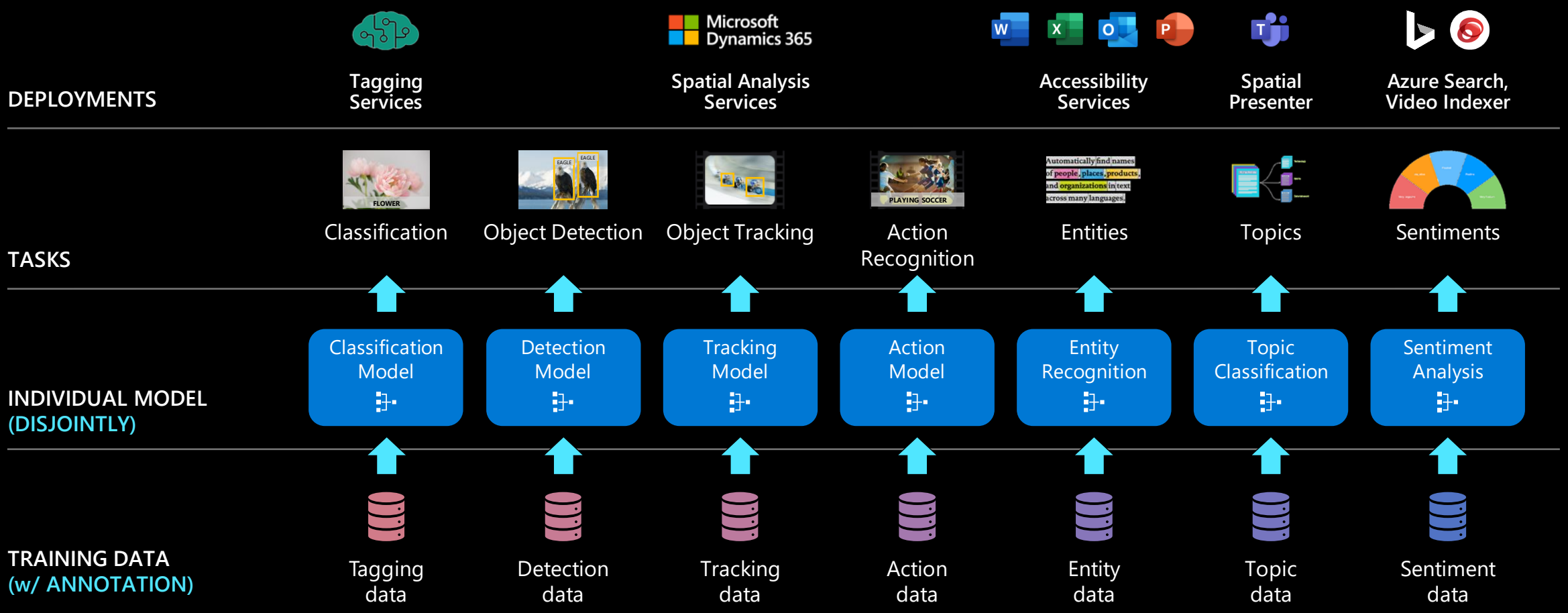
2021

Generative AI

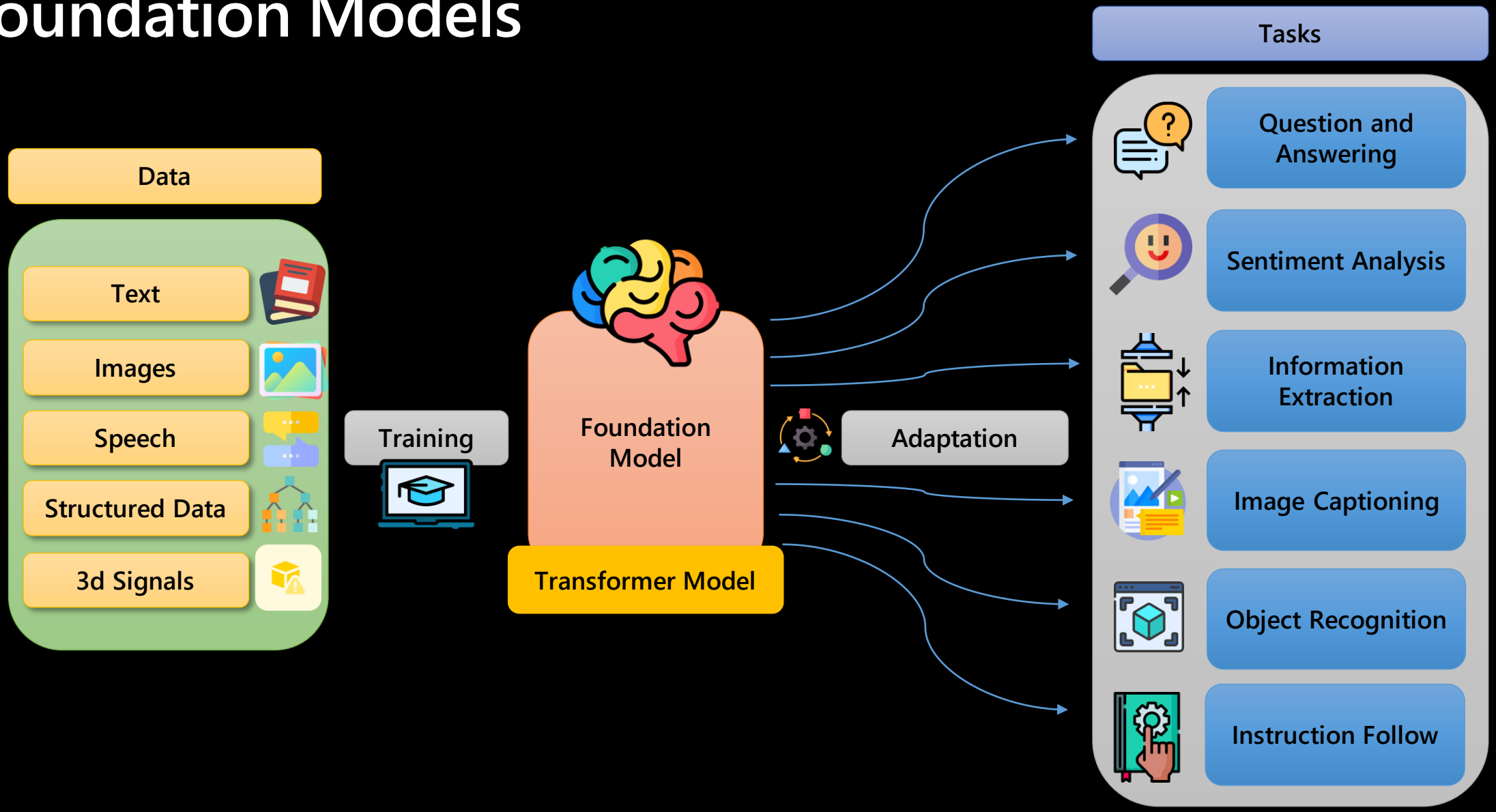
Create new written, visual, and auditory content given prompts or existing data.

Traditional model development

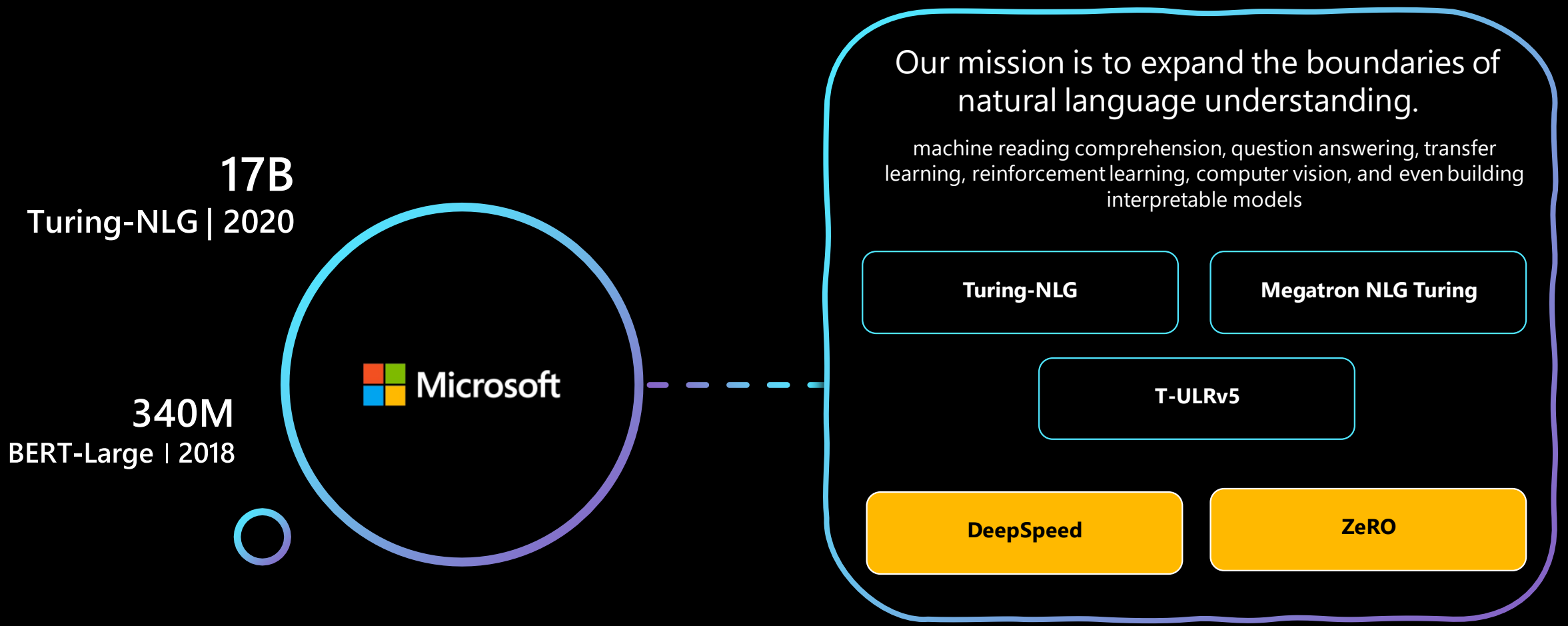
High cost and slow deployment—each service is trained disjointly

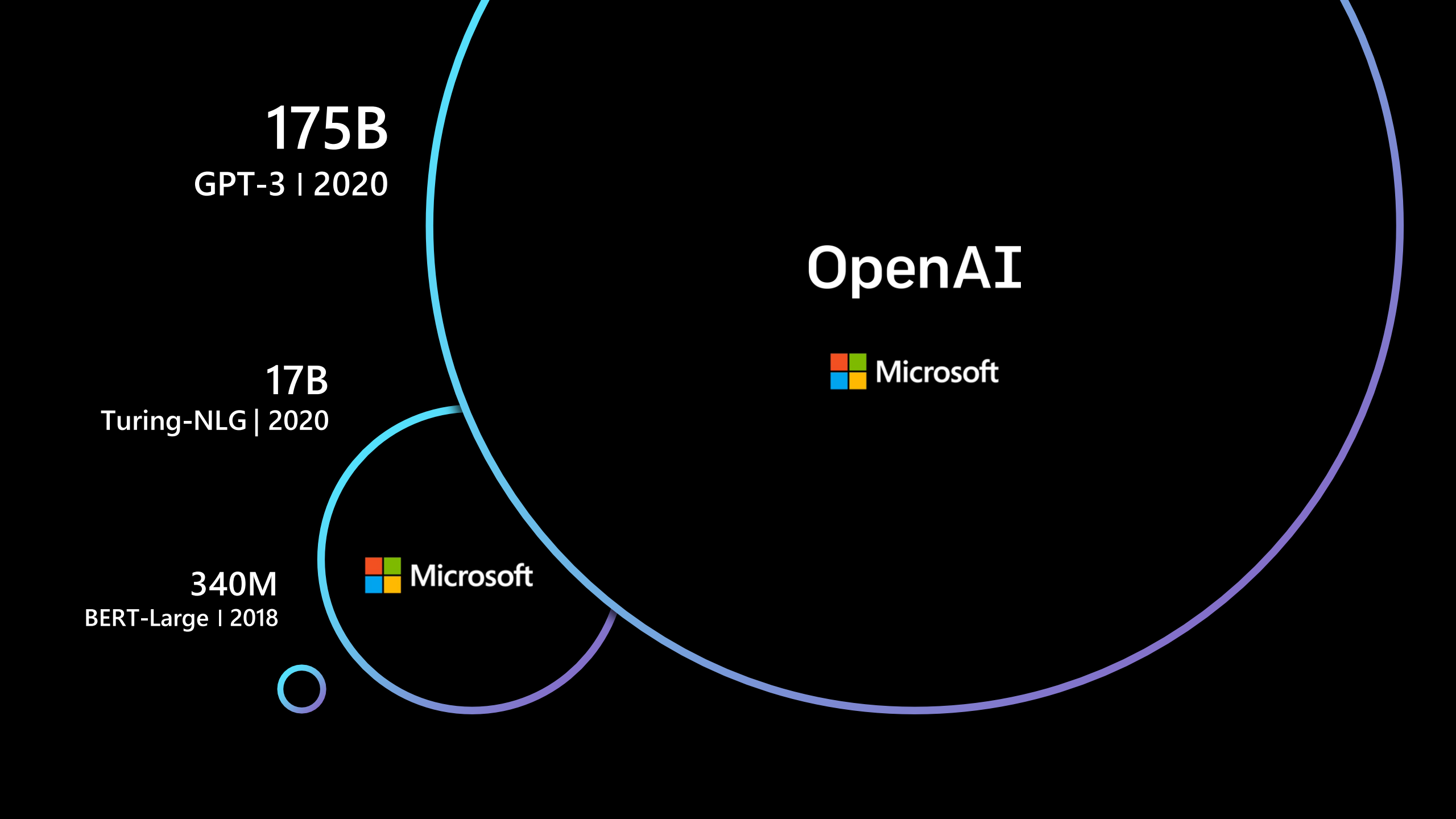


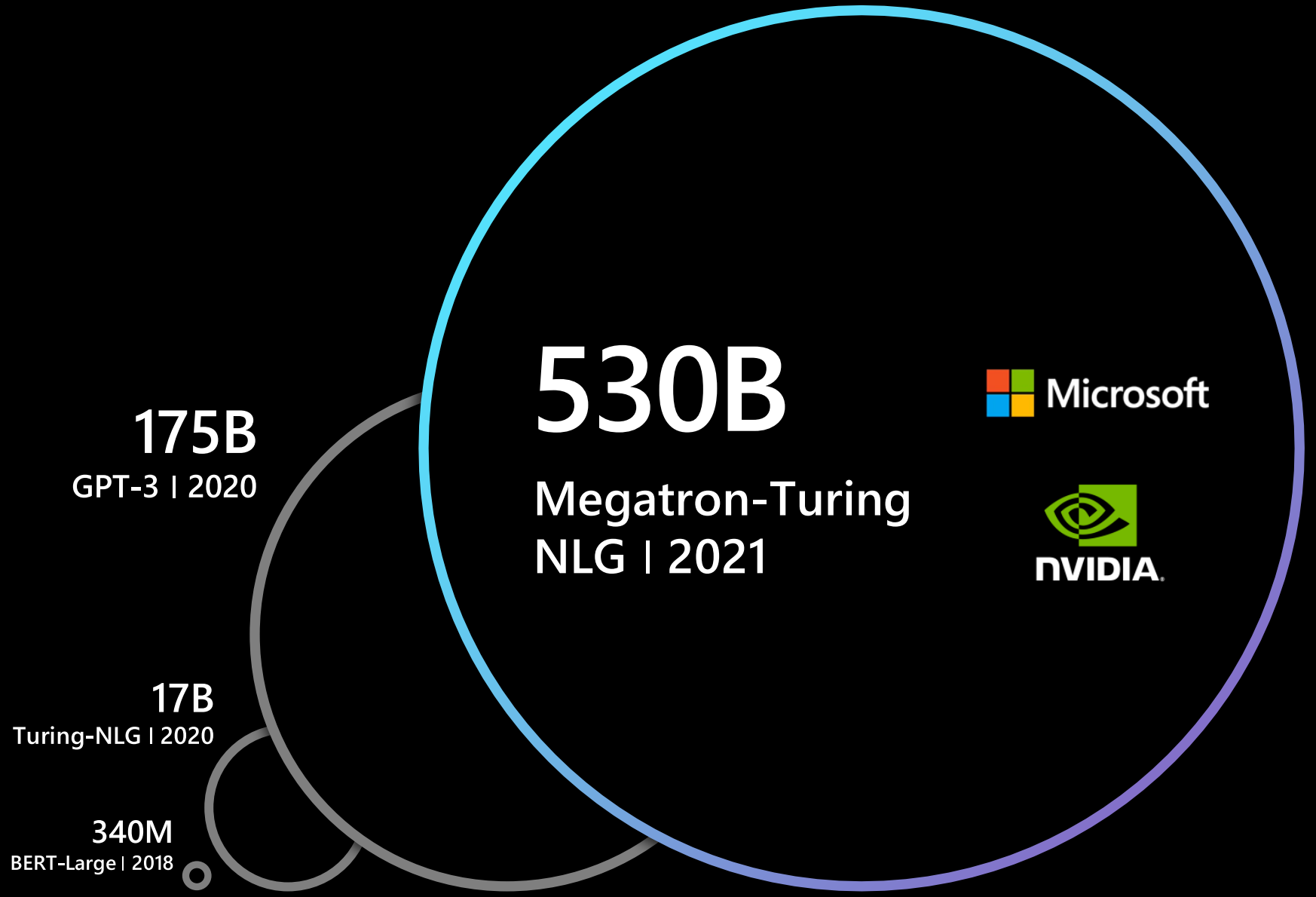
Foundation Models



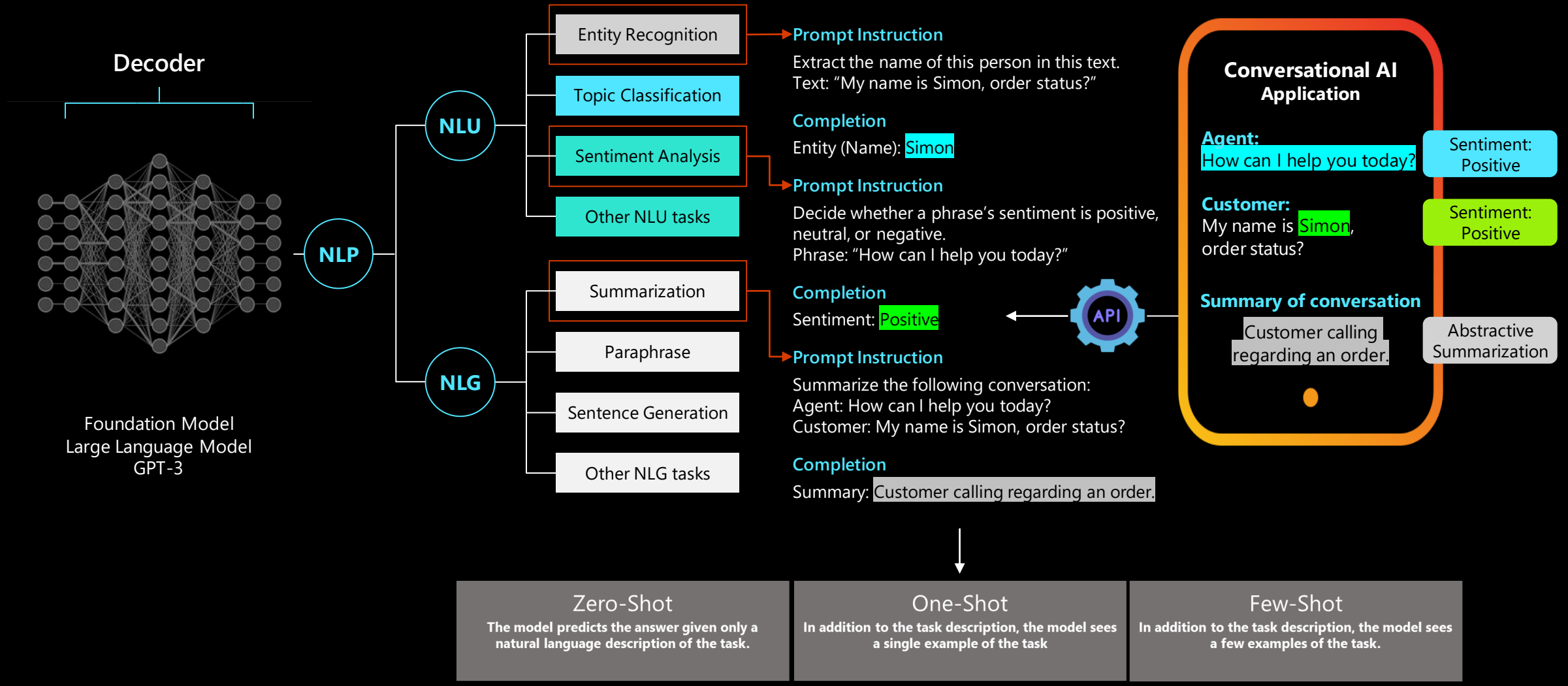
Large Language Foundation models



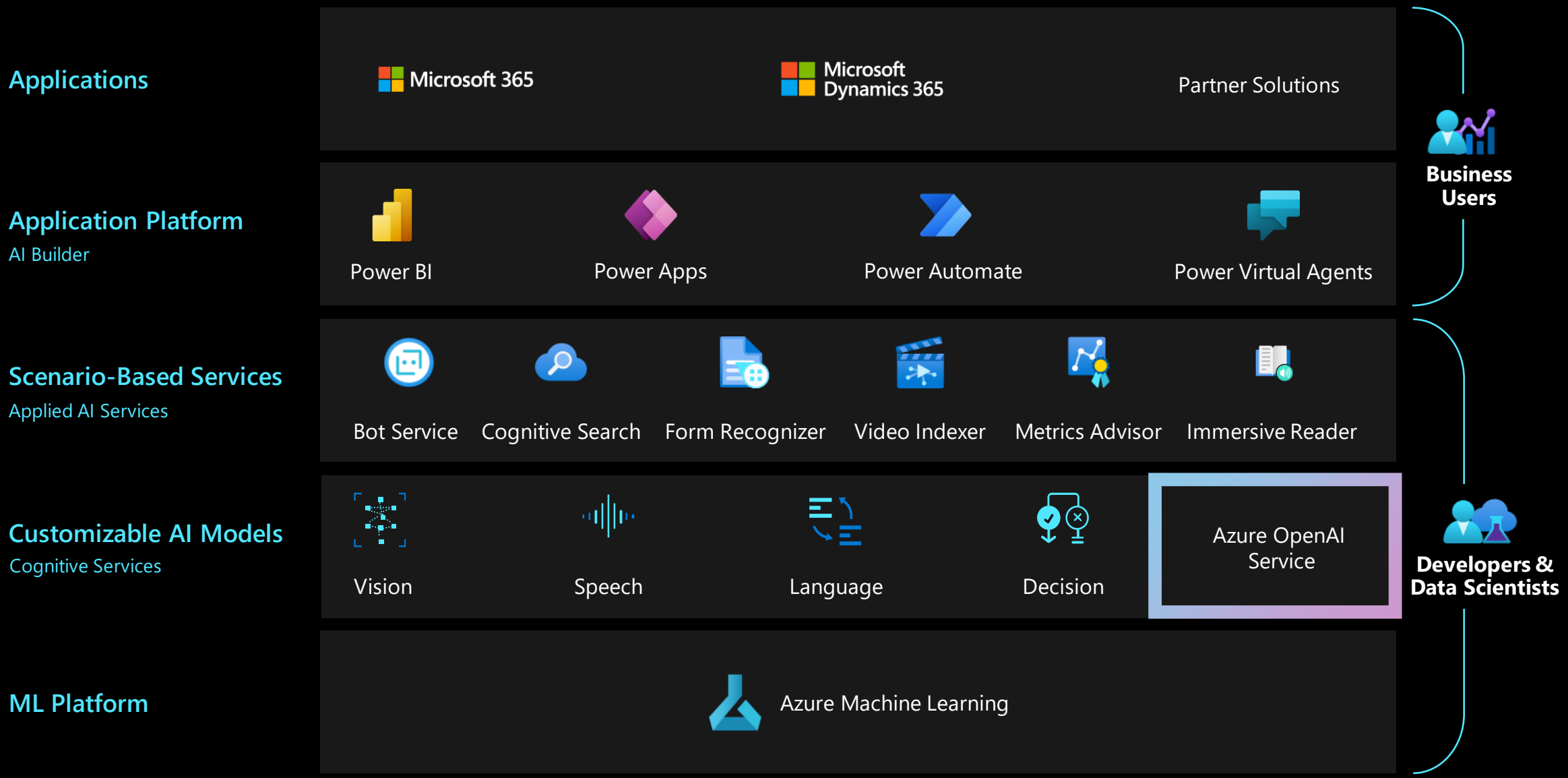

175B
GPT-3 | 2020
OpenAI
Microsoft
17B
Turing-NLG | 2020
Microsoft
340M
BERT-Large | 2018


530B
Megatron-Turing
NLG | 2021
Microsoft
NVIDIA
175B
GPT-3 | 2020
17B
Turing-NLG | 2020
340M
BERT-Large | 2018

Model use out of the box - prompting



Azure AI


Applications
Microsoft 365
Microsoft Dynamics 365
Partner Solutions
Application Platform
AI Builder
Power BI
Power Apps
Power Automate
Power Virtual Agents
Business Users
Scenario-Based Services
Applied AI Services
Bot Service
Cognitive Search
Form Recognizer
Video Indexer
Metrics Advisor
Immersive Reader
Customizable AI Models
Cognitive Services
Vision
Speech
Language
Decision
Azure OpenAI Service
Developers & Data Scientists
ML Platform
Azure Machine Learning

Bookmark ‘what's new’ in Azure OpenAI Service

Update

Azure OpenAI Service

GPT-3 (GA)

DALL·E 2 (preview)

ChatGPT (GA)

GPT-4 (GA)

Apply *your own data*

Available in now

Plugins for Azure OpenAI Service

Coming soon

Configurable Content Filters

Available in Preview early June

Provisioned Throughput

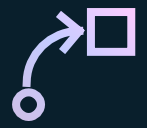
Limited Availability early June

What developers want from AI

Guidance and suggestions

Coding with context

Autofill repetitive code



Convert comments to code

Code documentation

Automatic test generation

Copilot in Power Platform

Streamlined, intuitive low-code development for everyone

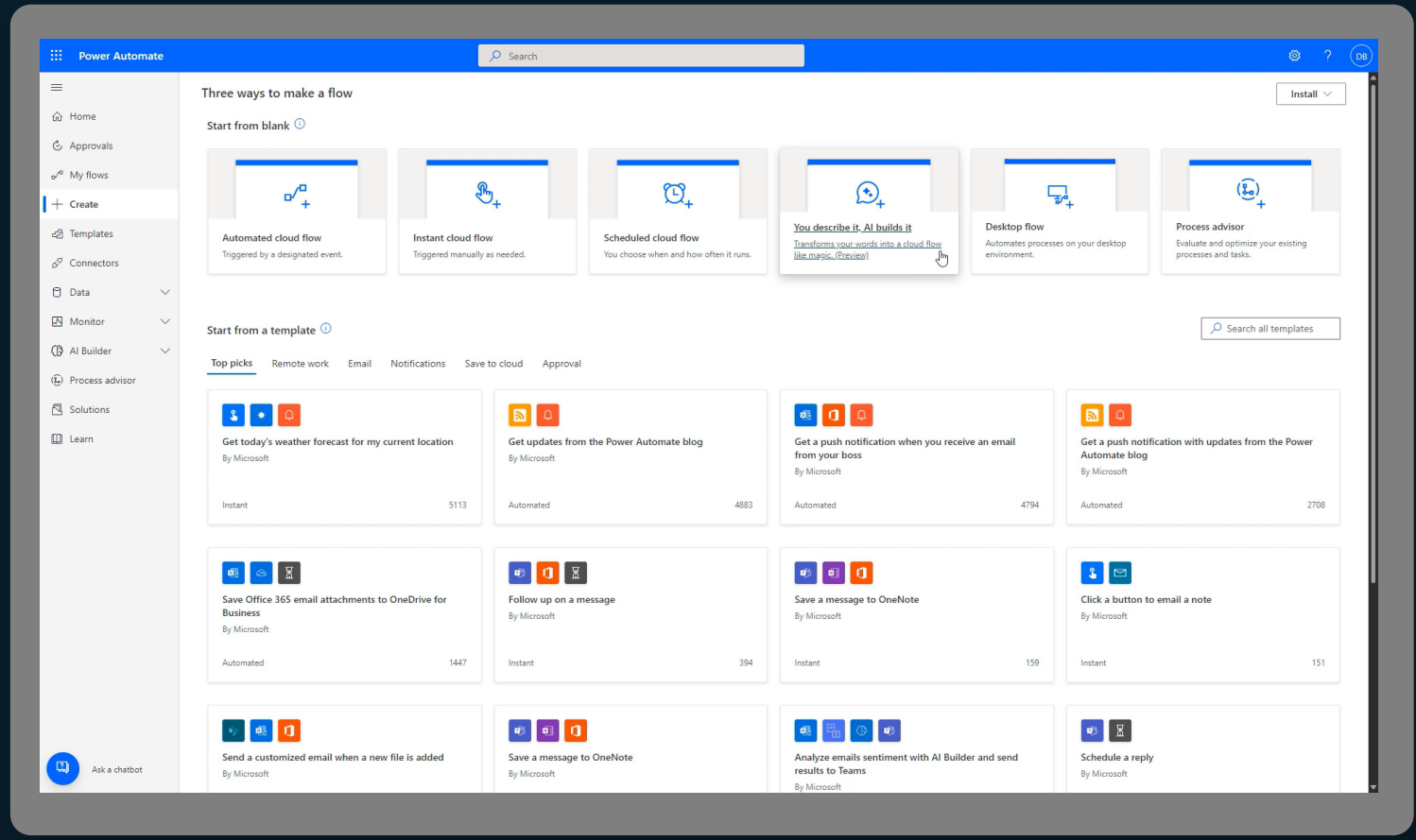
AI-driven development efficiency and productivity

Lower barriers to build and launch solutions

Cross-platform integration to simplify creation

New

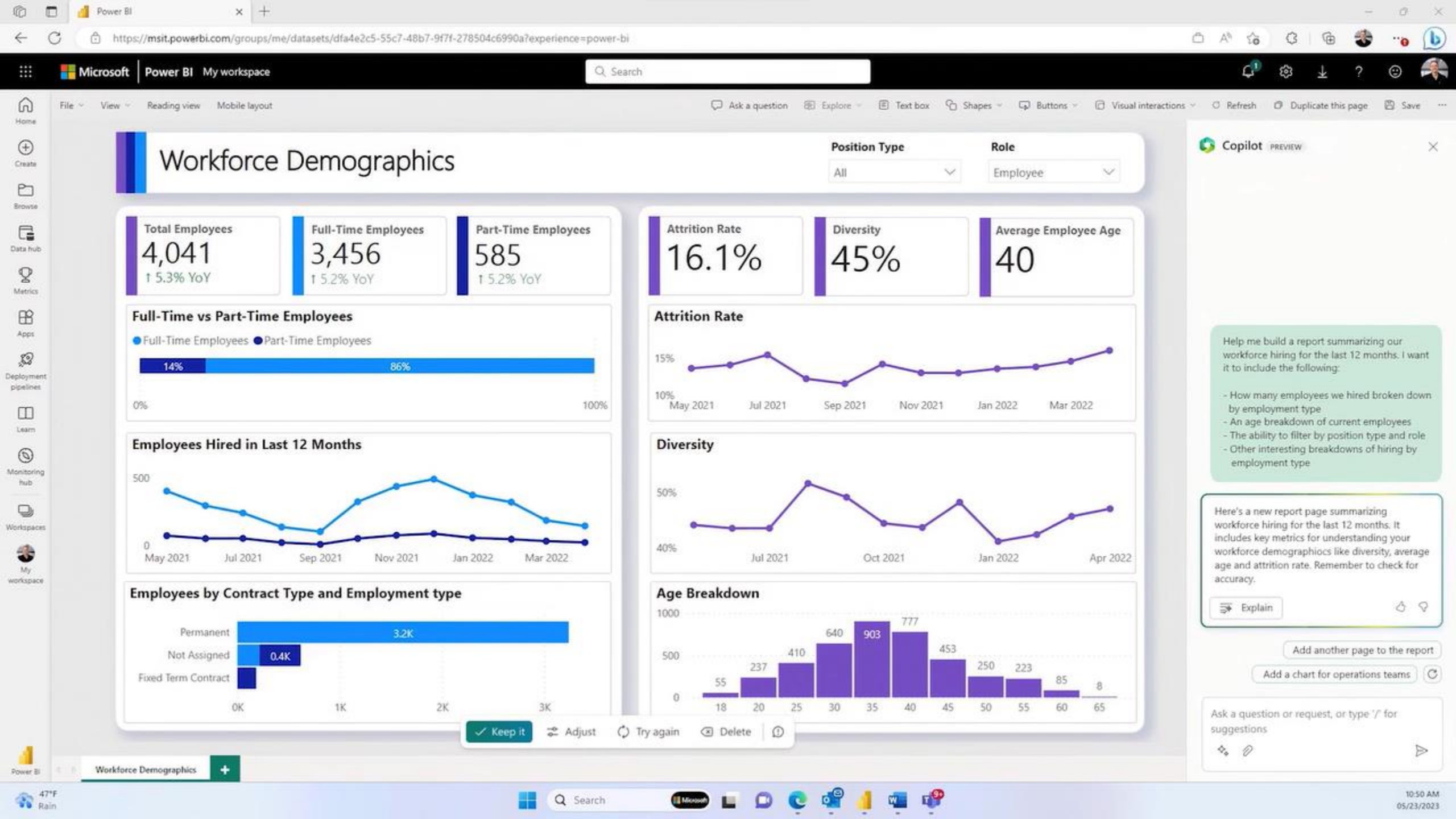
Copilot in Power Automate



Copilot in Power BI

Stay focused on your business outcomes and unlock insights in your data with Copilot

Create insightful reports | Uncover actionable insights | Translate insights into impact

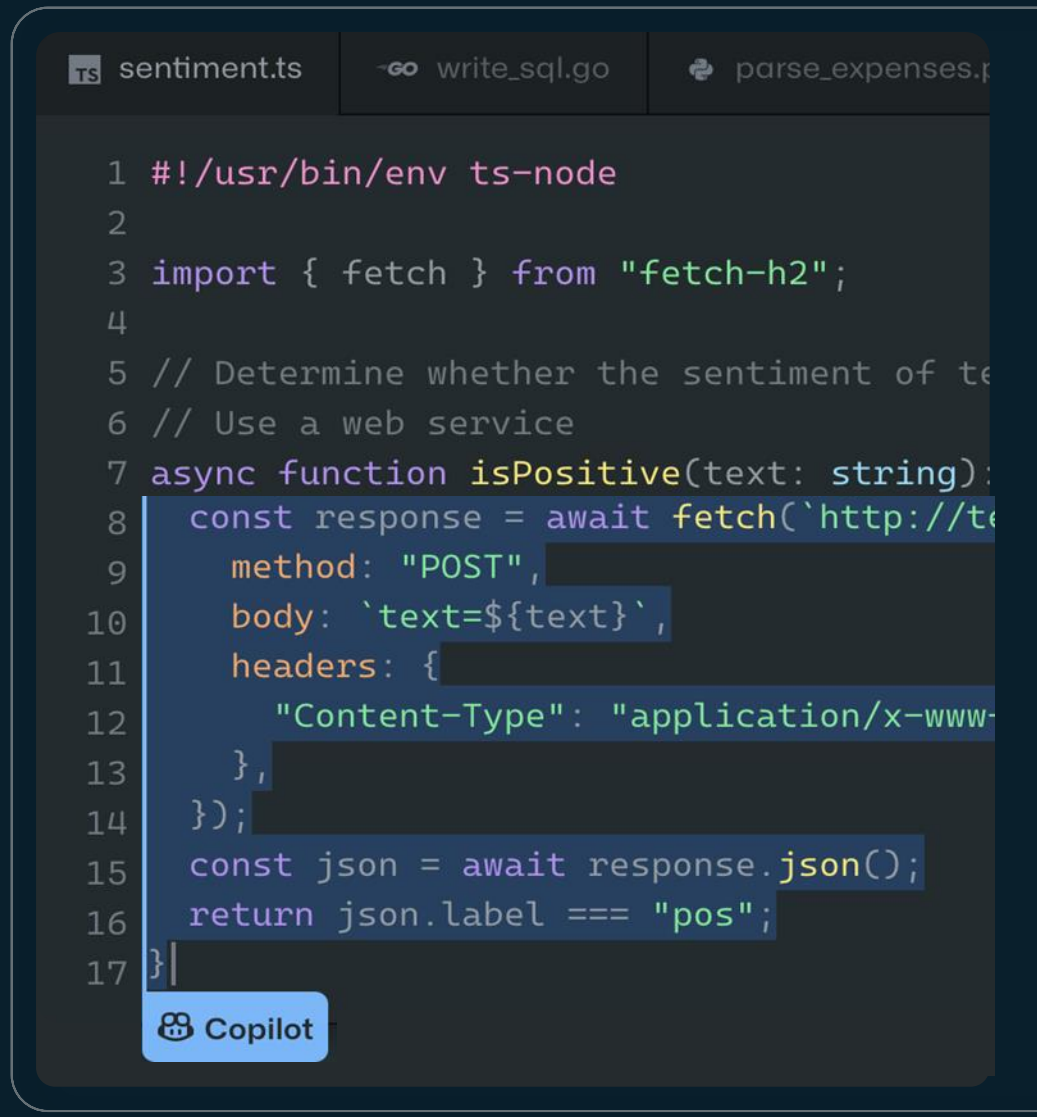

Power BI
https://msit.powerbi.com/groups/me/datasets/dfa4e2c5-55c7-48b7-9f7f-278504c6990a?experience=power-bi
Microsoft | Power BI My workspace
Search
File View Reading view Mobile layout
Ask a question Explore Text box Shapes Buttons Visual interactions Refresh Duplicate this page Save
Home Create Browse Data hub Metrics Apps Deployment pipelines Learn Monitoring hub Workspaces My workspace
Workforce Demographics
Position Type
All
Role
Employee
Total Employees
4,041
↑ 5.3% YoY
Full-Time Employees
3,456
↑ 5.2% YoY
Part-Time Employees
585
↑ 5.2% YoY
Attrition Rate
16.1%
Diversity
45%
Average Employee Age
40
Full-Time vs Part-Time Employees
Full-Time Employees
Part-Time Employees
14%
86%
0%
100%
Attrition Rate
15%
10%
May 2021
Jul 2021
Sep 2021
Nov 2021
Jan 2022
Mar 2022
Employees Hired in Last 12 Months
500
0
May 2021
Jul 2021
Sep 2021
Nov 2021
Jan 2022
Mar 2022
Diversity
50%
40%
Jul 2021
Oct 2021
Jan 2022
Apr 2022
Employees by Contract Type and Employment type
Permanent
3.2K
Not Assigned
0.4K
Fixed Term Contract
0K
1K
2K
3K
Age Breakdown
1000
500
0
55
237
410
640
903
777
453
250
223
85
8
18
20
25
30
35
40
45
50
55
60
65
Keep it
Adjust
Try again
Delete
Copilot PREVIEW
Help me build a report summarizing our workforce hiring for the last 12 months. I want it to include the following:
- How many employees we hired broken down by employment type
- An age breakdown of current employees
- The ability to filter by position type and role
- Other interesting breakdowns of hiring by employment type
Here's a new report page summarizing workforce hiring for the last 12 months. It includes key metrics for understanding your workforce demographiocs like diversity, average age and attrition rate. Remember to check for accuracy.
Explain
Add another page to the report
Add a chart for operations teams
Ask a question or request, or type '/' for suggestions
Workforce Demographics
47°F Rain
Search
10:50 AM 05/23/2023

GitHub Copilot

46% | of new code is now written by AI

55% | faster overall developer productivity

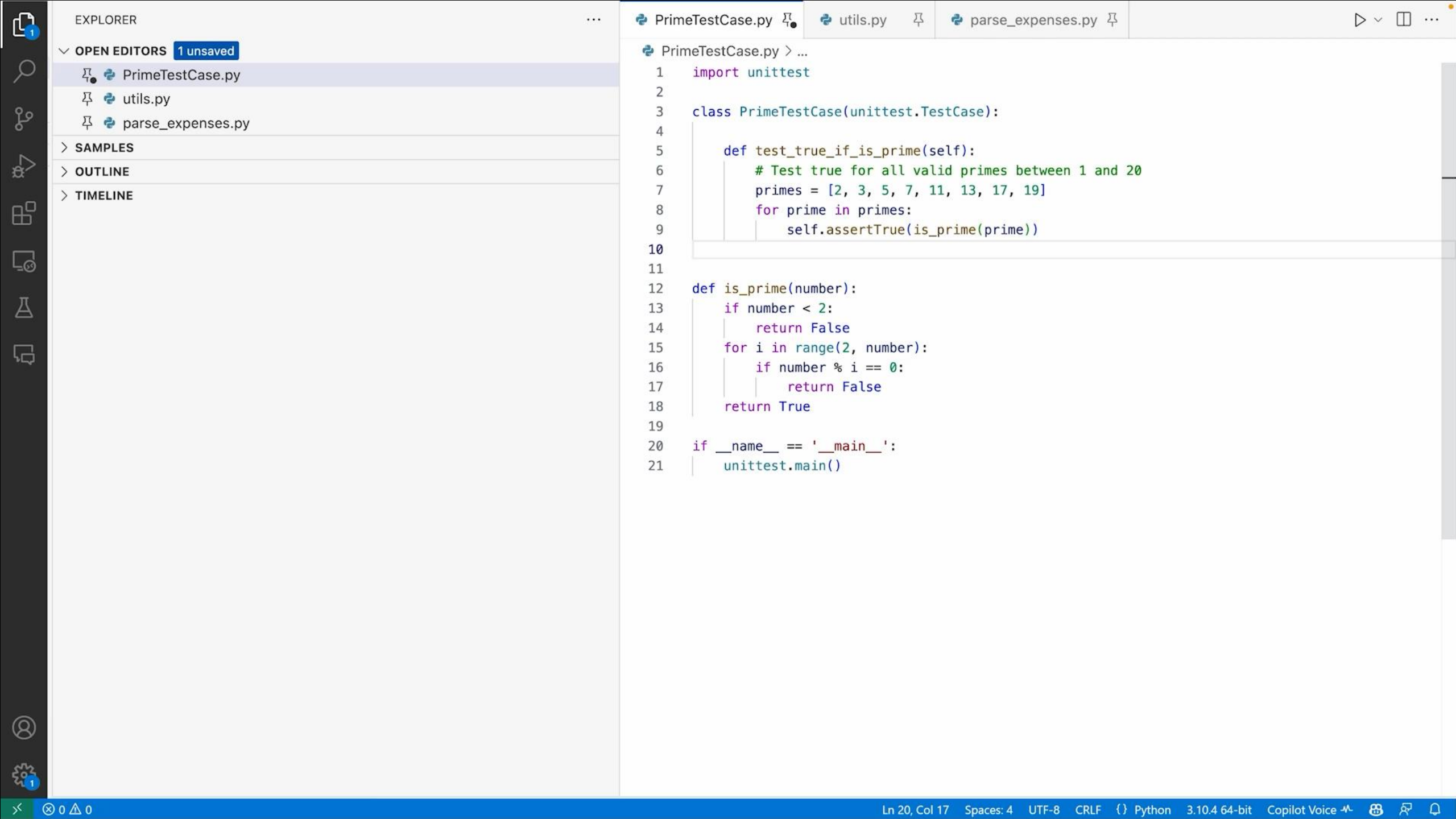
75% | developers feel more focused on satisfying work



New

GitHub Copilot X

- Copilot Chat
- Copilot for Pull Requests
- Automatic Test Generation


EXPLORER
OPEN EDITORS 1 unsaved
PrimeTestCase.py
utils.py
parse_expenses.py
SAMPLES
OUTLINE
TIMELINE
PrimeTestCase.py
utils.py
parse_expenses.py
PrimeTestCase.py > ...
1 import unittest
2
3 class PrimeTestCase(unittest.TestCase):
4
5 def test_true_if_is_prime(self):
6 # Test true for all valid primes between 1 and 20
7 primes = [2, 3, 5, 7, 11, 13, 17, 19]
8 for prime in primes:
9 self.assertTrue(is_prime(prime))
10
11
12 def is_prime(number):
13 if number < 2:
14 return False
15 for i in range(2, number):
16 if number % i == 0:
17 return False
18 return True
19
20 if __name__ == '__main__':
21 unittest.main()
0 0
Ln 20, Col 17
Spaces: 4
UTF-8
CRLF
Python
3.10.4 64-bit
Copilot Voice

Microsoft Security Copilot | Bing Chat | Microsoft 365 Copilot | Power Platform Copilot | Dynamics 365 Copilot | Windows Copilot

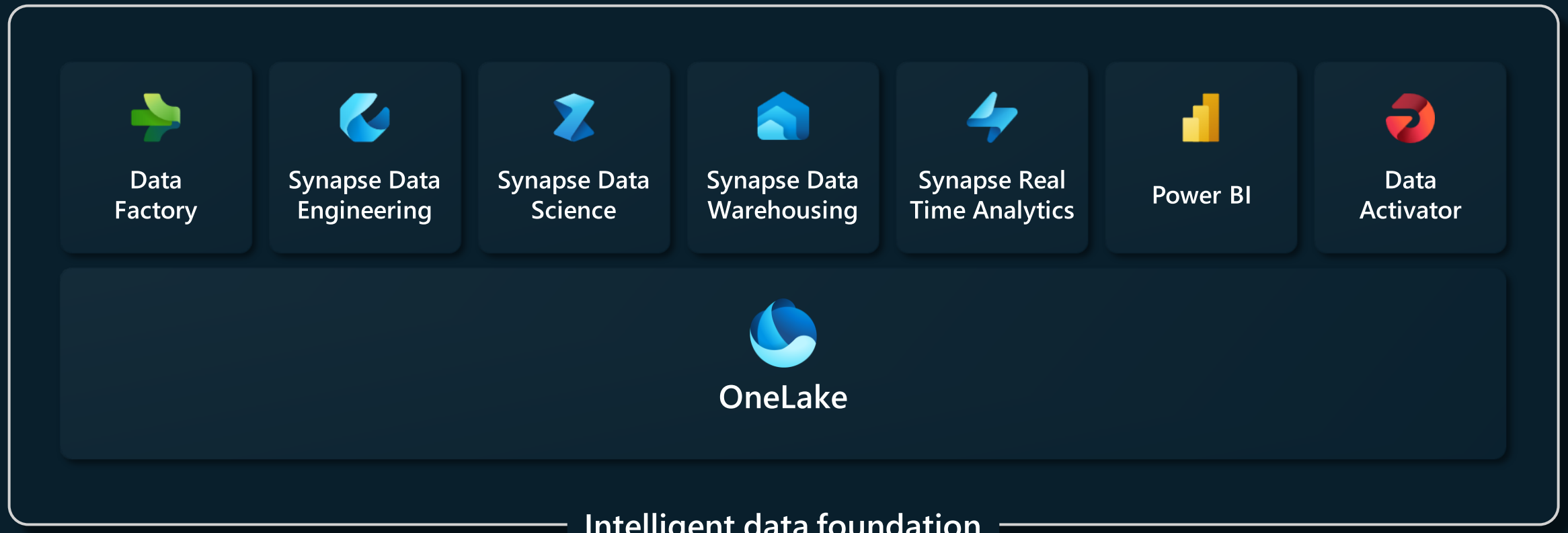
Microsoft runs on Azure AI

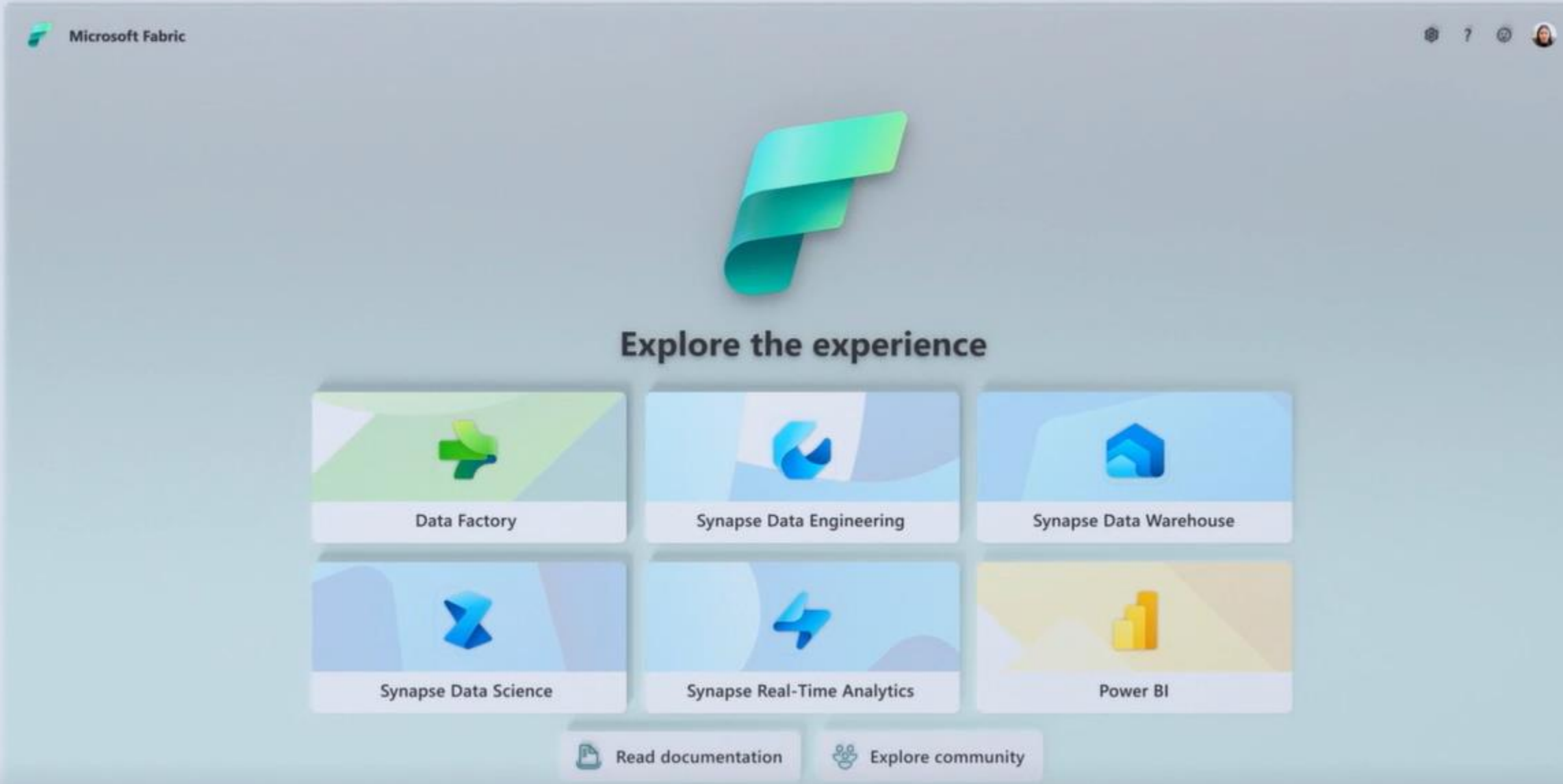
Microsoft Fabric

The data platform for the era of AI

Microsoft Fabric

The data platform for the era of AI





one experience,

The opportunity is yours to

lead the AI transformation

Thank you