



NT KONF

25. – 27.
SEPTEMBER
2023
PORTOROŽ

**NT
KONF**
NT KONFERENCA



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AI-enriched Low-Code Development

Uroš Kastelic

Technology Specialist – Low-Code,
Microsoft

Microsoft Power Platform



**Power
BI**

Business
analytics



**Power
Apps**

Application
development



**Power
Automate**

Workflow
automation



**Power
Virtual Agents**

Intelligent
virtual agents



**Power
Pages**

Website
development

Common underlying services

Microsoft Power Platform



... and Low Code has a Copilot

AI as a real-time collaborator



that generates
content



that sparks
creativity



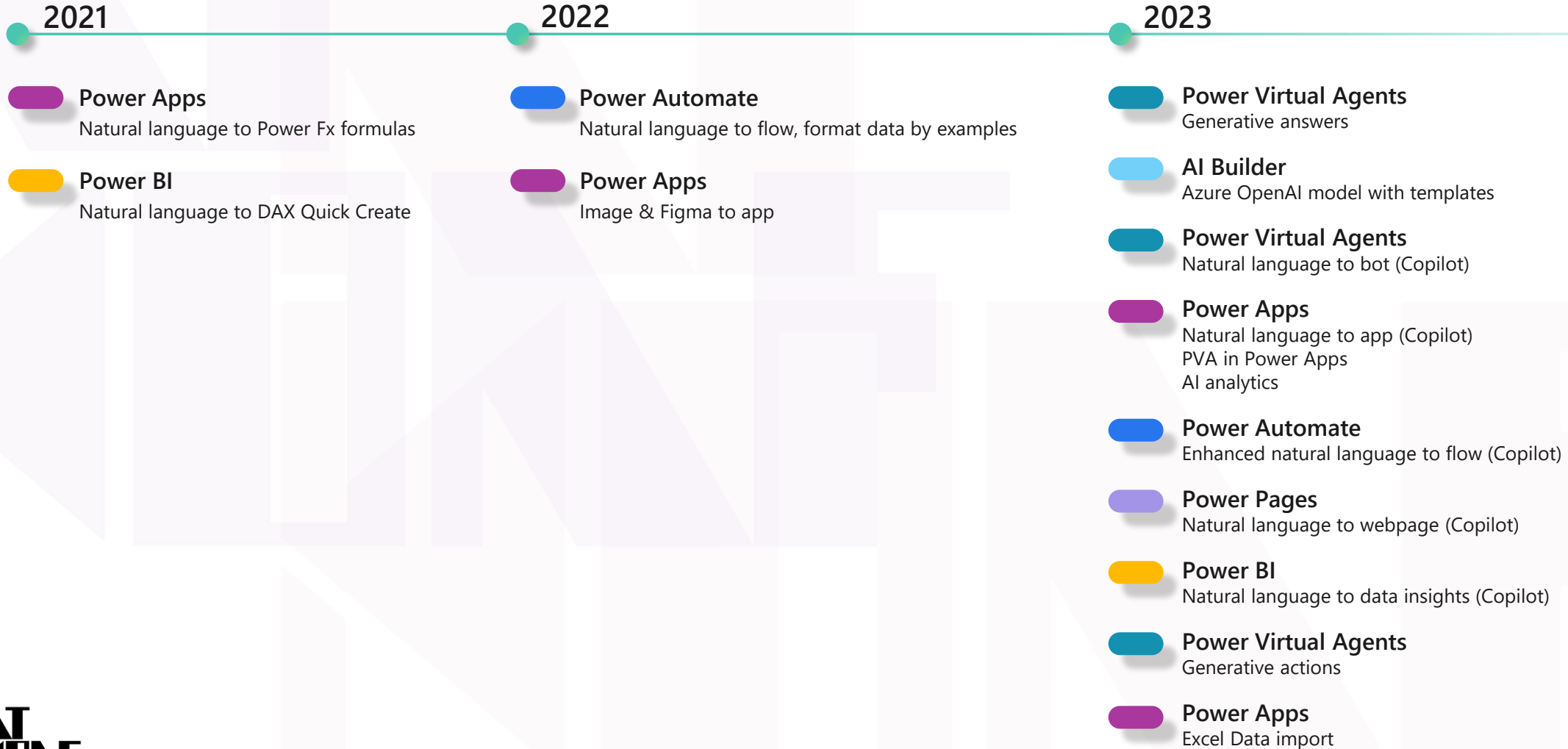
that automates
cognitive tasks



that creates user
experiences

Power Platform Copilot

since 2021





Power Platform & Fusion Development

What is Fusion Development?



Fusion Development is a term coined by Gartner

- Digital “fusion teams” are distributed and multidisciplinary digital business teams that blend technology and other types of domain expertise > > Basically, union of IT Pros, Business Devs and Pro Devs is *Fusion Teams*
- Combining traditional full-stack development with modern low-code technology

learn.microsoft.com/fusion-development

Fusion teams in action

IT professional

Works with CIO and other leaders on governance, security and community



Professional developer

Works with business users/makers to build and integrate advanced functionality



Scale through
fusion teams

Business Users/Makers

Plan, build, co-author and launch
solutions




Innovate faster than ever with Fusion Dev

Azure + Power Platform + M365 = Fusion Development



Microsoft Teams

Power Platform



Power BI
Business analytics



Power Apps
Application development



Power Automate
Workflow automation



Power Virtual Agents
Intelligent virtual agents



Power Pages
Secure external business websites

Every developer (low-code)



GitHub

Azure services



Analysis services



API management



Function apps



Kubernetes services



Logic apps




Cognitive services




Bot services

Pro developer (code-first)




Azure DevOps


Azure / Office data services




Dataverse




Microsoft Graph




SQL Database




SQL Data Warehouse



Cosmos Database



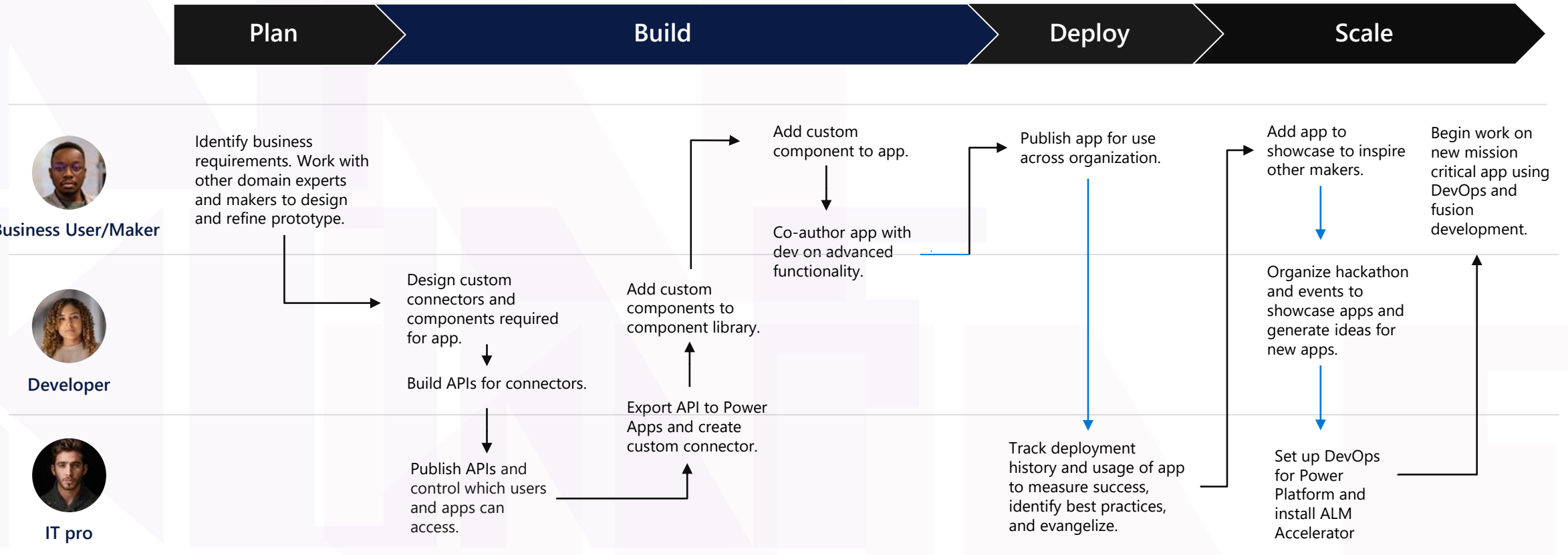
Visual Studio



VS Code

Identity, Management, Security & Compliance

Roles & Responsibilities: Fusion teams in practice



Supporting tools



Power Apps Studio

Power Apps Studio
Visual Studio Code
Azure API Service
Azure API Management

Power Apps component framework
Visual Studio Code
Microsoft AppSource

Power Apps Studio

Power Platform admin center
GitHub Actions for Power Platform
ALM Accelerator for Power Platform



No-Code Development or guidance?

Answer is...Bing Chat

I want you to act as a Power Apps expert. I want you to be my Power Apps educator. I'm using PowerApps. ...

Power Platform Copilots

Power Platform Copilots

- Power Apps
 - Dataverse – tables creation
 - PowerFx Ideas
- Power Automate
- Power Virtual Agents
- Power Pages
- AI Builder



Power Platform Copilots

- — Power Apps
 - — Dataverse — tables creation
 - — PowerFx Ideas
- Power Automate
 - Power Virtual Agents
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Power Platform Copilots

- Power Apps
 - Dataverse — tables creation
 - PowerFx Ideas
- Power Automate
 - Process Mining
 - Power Virtual Agents
 - Power Pages
 - AI Builder



Power Platform Copilots

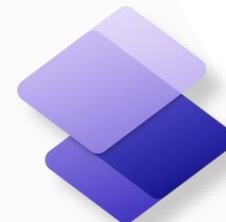
- Power Apps
 - Dataverse — tables creation
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Power Virtual Agents Copilot: Generative Actions

Power Platform Copilots

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Power Platform Copilots

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Integrations with Azure OpenAI

AI Portfolio Overview

E2E Business processes

Managed solutions that leverage AI Builder model customization and governance

Ex: SharePoint Syntex leverages AI Builder Document Processing

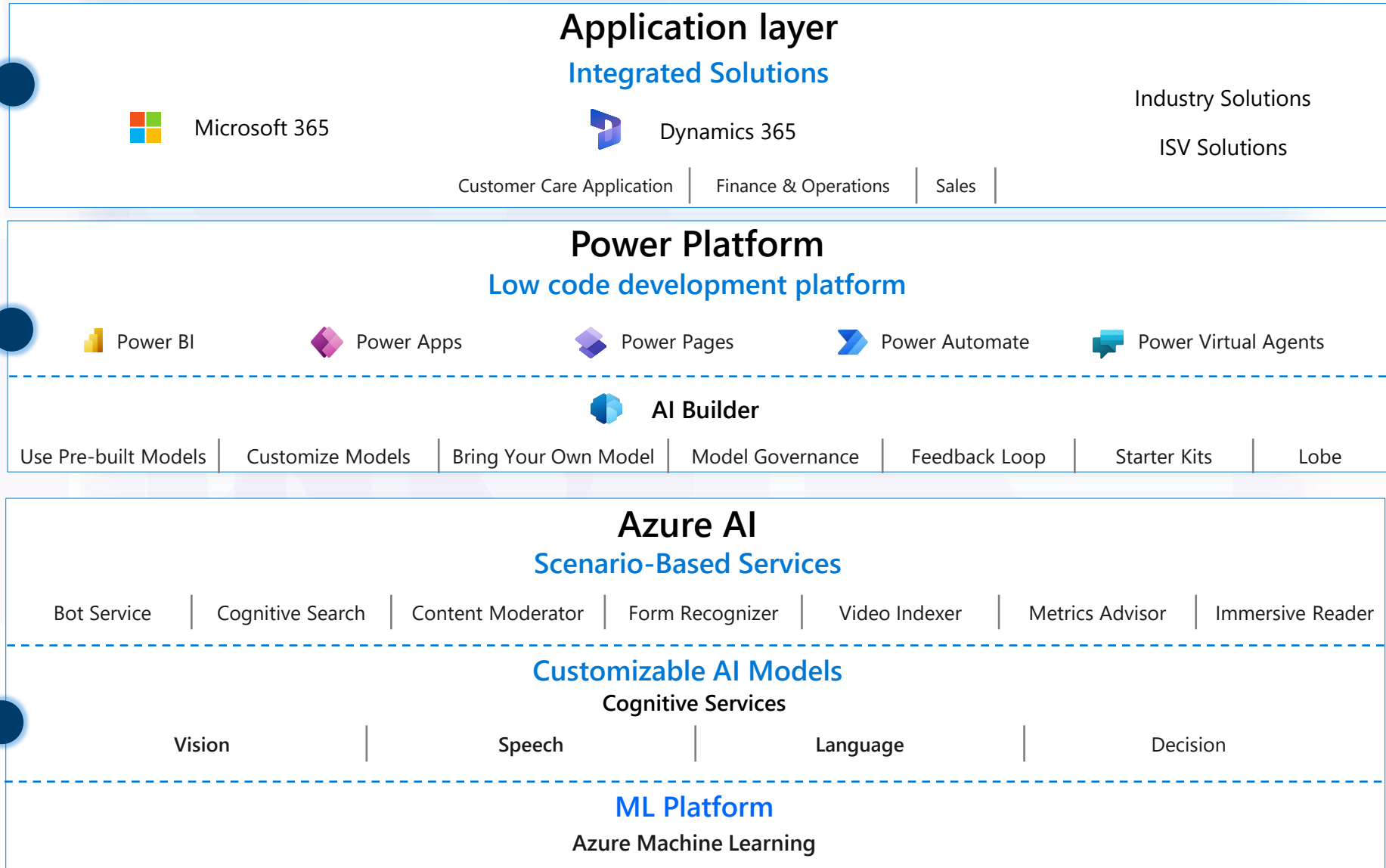
No Code Maker Experience

AI abstraction layer that focuses on allowing makers to customize AI to solve business problems, leveraging Azure AI capabilities

Ex: AI Builder Document Processing leverages Azure Form Recognizer for content extraction

AI Capabilities

Core AI capabilities that empower maker experiences




Business Users


Citizen Developers


Developers & Data Scientists

Microsoft and OpenAI partnership



*Ensure that artificial
general intelligence (AGI)
benefits humanity*



*Empower every person and
organization on the planet
to achieve more*

GPT-3.5 and GPT-4

Text

ChatGPT

Conversation

Codex

Code

DALL·E 2

Images

Azure OpenAI

Top Capabilities and Use Cases



Content generation

Intelligent Virtual Agent:
automatically generate responses to inquiries

Customized Copilot:
Augment decision steps in business processes

Generate engaging web content



Summarization

Subject matter expert document:
summarization (e.g. compliance and training documents)

Social media trends summarization



Code generation

Convert natural language to SQL (or vice versa) for telemetry data

Code documentation



Semantic search

Knowledge Exploration:
Search reviews for a specific product/service

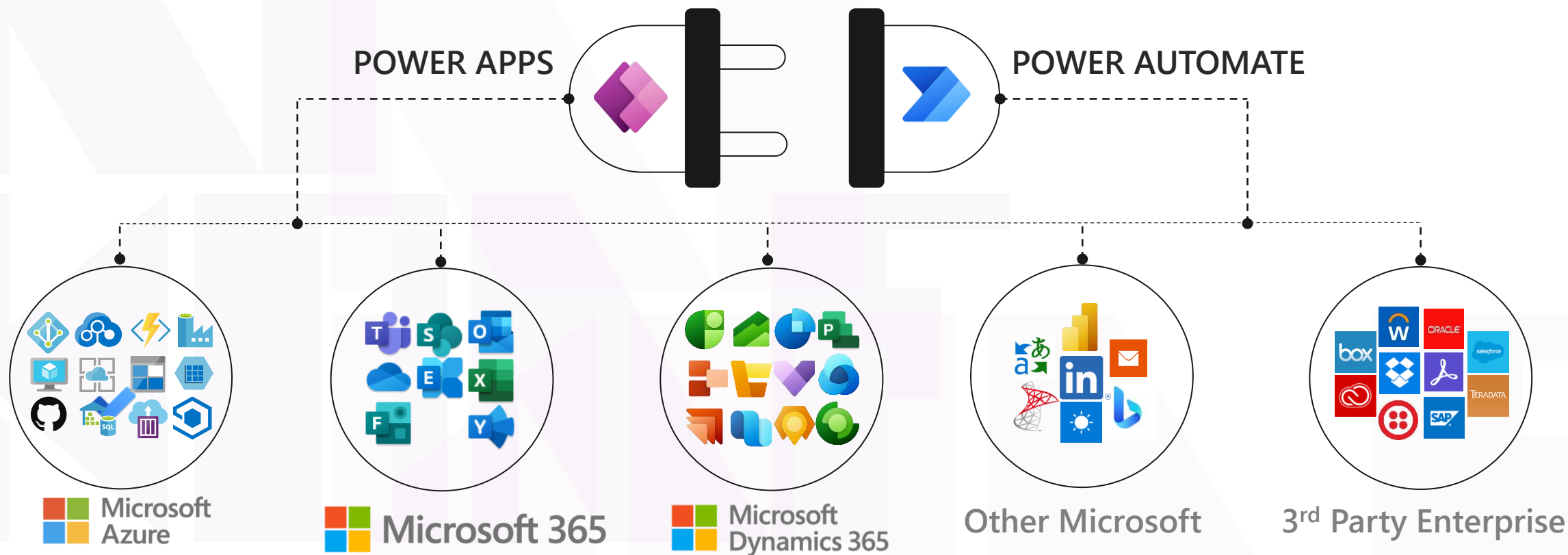
Information discovery and knowledge mining

Customer 360: hyper-personalisation using timely summarization of customer queries & trends, search, and content generation

Business process automation: search through structured & unstructured documentation, generate code to query data models, content generation

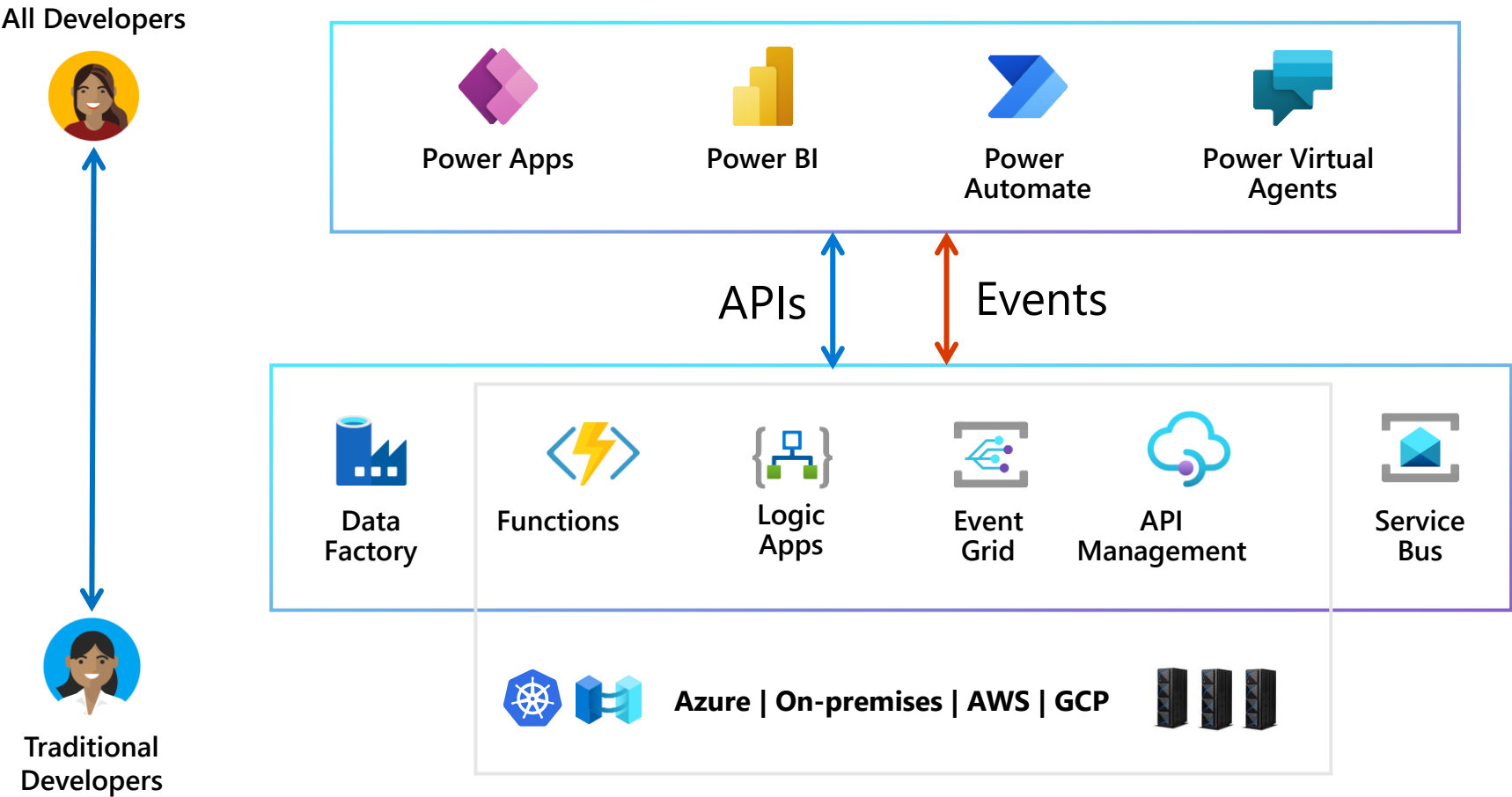
Power Platform - Connects to all your data

1000+ Connectors + Custom



Power Platform supports a rich ecosystem of connectors across Microsoft and non-Microsoft cloud and on-prem services

Integration Services are a gateway to Azure



Azure OpenAI Service connector

[PowerPlatformConnectors/custom-connectors/AzureOpenAIService at dev · microsoft/PowerPlatformConnectors \(github.com\)](https://github.com/microsoft/PowerPlatformConnectors/tree/main/custom-connectors/AzureOpenAIService)

Or create your own custom connector...

{Demo} Integration with Azure OpenAI



Thank you!

Q&A?

Survey...



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*This is not school, but we
love to get grades.
Please fill out our
questoineers and leave
us your feedback.
You may even **win** some
cool rewards.*



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