

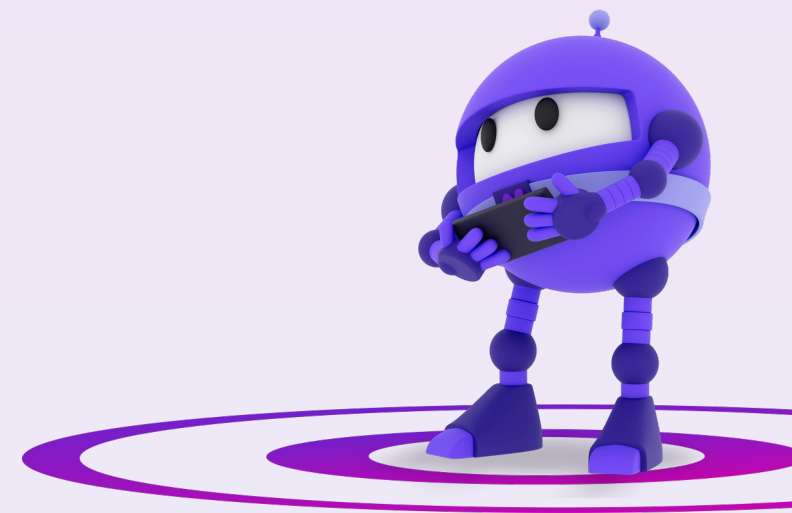
# AI时代的.NET智能应用

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# .NET 为现代应用开发而进化

现代工作负载



Web



客户端



人工智能



云原生

开发者生产力



语言



生产力



现代化

基础



性能



供应链



云转型

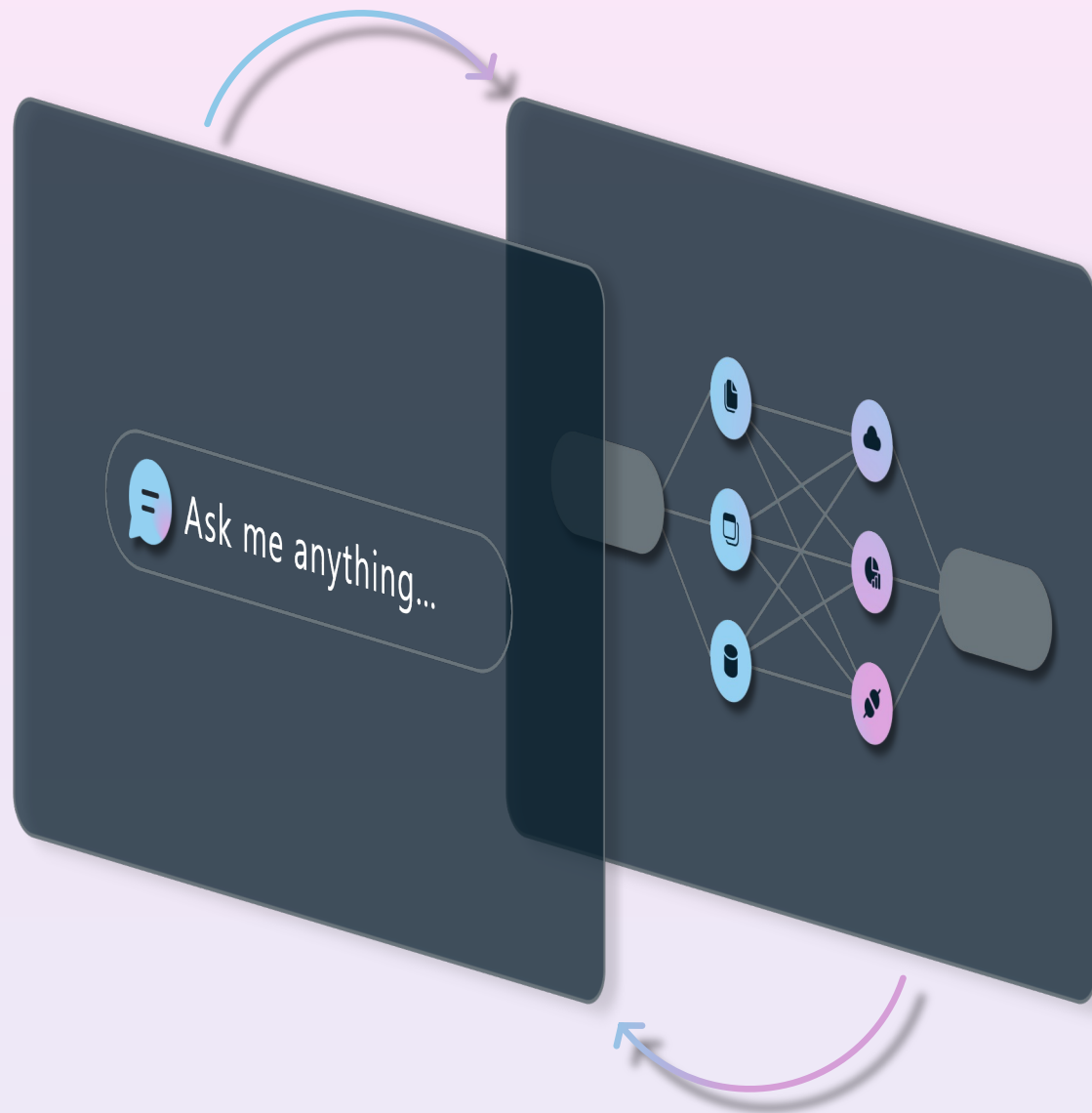


数字化转型



AI 转型

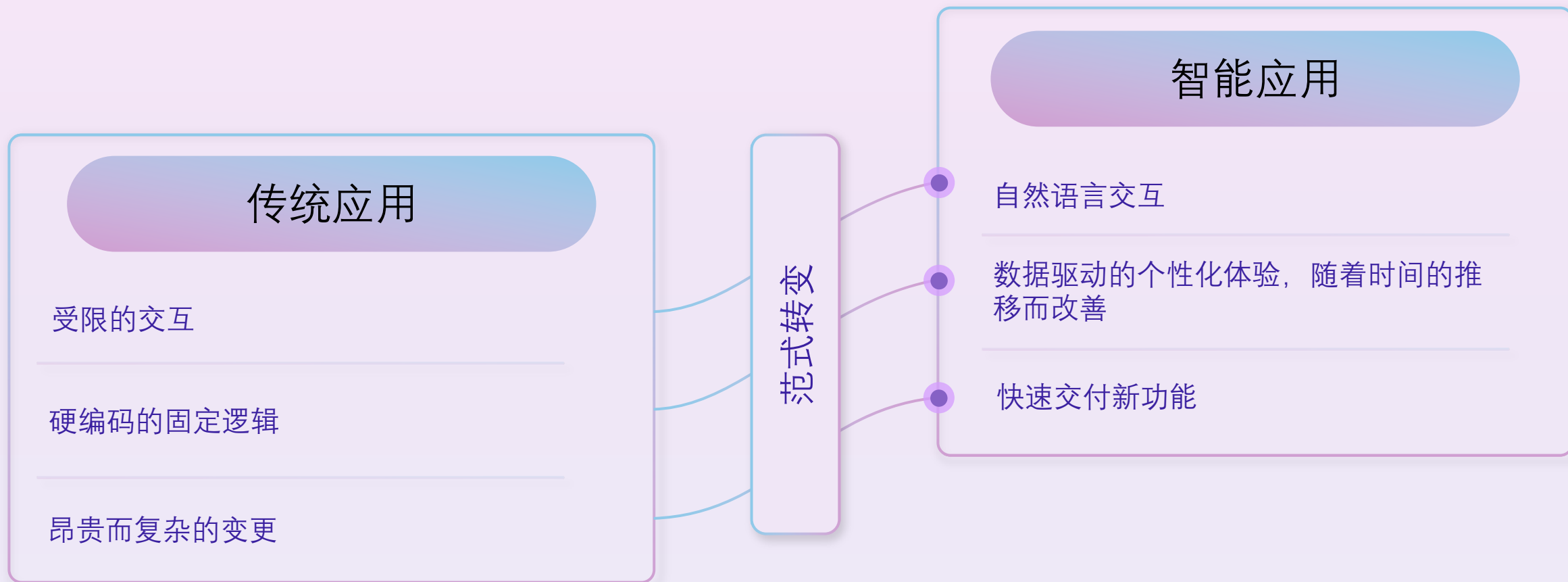
自然语言



推理引擎



# 生成式AI 赋予应用真正的智能



每个应用 都将被用  
人工智能重构

新应用 将会被以前所未有  
的方式构建

# Copilots 时代

Create a report with Copilot  
Describe the report you want, in your own words, and Copilot will create it quickly.

On average when full of value drivers, Close % increases.

What are the biggest drivers for close %?

Close % drivers page added

Callback within 3 hours (11.75%) has the biggest influence on close %.

Sales Analysis Review

Meeting content

Sales report DA... Capacity plan list... VanArsdel@EBC

Suggested notes

- Seneca wants to look at the sales report before she and Beth spend the budget on the campaign.
- Beth expects that they are on track for new product release in December. But they will need to keep an eye on advertisement budget. She will follow up on that.
- Beth explains that they are managing the capacity well. They could be a problem if they get more popular. Babak is going to double check on that.

Suggested tasks

- Beth will follow up on advertisement budget.
- Jim Shumans will double check with Amanda regarding the ETR for the release of the new product.

Can you summarize this presentation?

Here's a summary of the presentation:

- Our mission: VanArsdel is an architectural firm specializing in commercial architecture, aiming to foster collaborative thinking and drive

Welcome to Copilot

Using the power of AI, Copilot can analyze the video to give you insights, summaries, action items, and more.

Create OKRs to get started

Create OKRs from a document  
Word, PowerPoint, Excel

Summarise OKRs on this page  
Get a summary for a set of OKRs

Learn about...  
Ask any questions about Viva Goals

You can always use the prompt guide for suggestions by selecting this button

Generating OKRs from the attached document

Product strategy, FY24.docx  
Confidential / Internal only

Draft with Copilot

Describe what you want to write, and get an AI-generated draft.

How it works

Say hello and suggest a meeting on Friday

Or pick one of these options

Copilot

Your everyday AI companion

Write

Help me prepare and write a successful sales pitch

Inbox

Add "remove" feature to ssh-key

Recommended repos on commands error

Fix flaky test in rerun

Say hello to Copilot

Introducing the latest addition to Dynamics 365 Sales—the AI-powered Copilot, designed to enhance your sales process with its advanced capabilities.

Summary

Written today at 10:45 AM

HISTORY OF PRESENT ILLNESS

The patient is a 61-year-old male who presents today for routine follow up of his chronic medical conditions.

The patient is 8 years status post aortic valve replacement and ascending aortic aneurysm repair.

Code

```
1 import re
2
3 re_regex = r"^[a-zA-Z0-9_+-.]+@a-zA
4 p_regex = r"^[a-zA-Z0-9]{4}-[0-9]{3}([0-
5 s_regex = r"^[0-9]{1,3}(\.){1,2}[0-9]{1,3}$"
6
7 def checkValidText, regex):
8     if re.search(regex, text):
9         return False
10    else:
11        return True
12
13 if __name__ == "__main__":
14    print('valid', 'invalid')[checkv
15    print('valid', 'invalid')[checkv
```

Blame 15 Lines (22 loc) · 500 bytes

Explain

Copilot Generating...

Sure. This highlighted snippet in the Python code is defining regular expressions (regex) to match specific patterns:

- `re_regex` is a regular expression meant to match valid email addresses. It starts with one or more alphanumeric characters (including `_` and `-`).

EcoPowerCharge Pro Follow-Up discussion

Suggested times

Wed 6/8	Wed 6/8	Wed 6/8
12:00 AM - 12:30 AM	12:30 AM - 1:00 AM	1:00 AM - 1:30 AM
Available: Everyone	Available: Everyone	Available: Everyone

Opportunity summary

Adamson Corporation has been a valuable customer since 2019 and have spent over \$8,885,000 with us. They purchased 70 EV cars for \$3,500,000 on 3/12/2022. They are interested in our latest version, EcoPowerCharge Pro EV Charging kits and we are in discussions for a \$175,000 deal is currently in the Develop stage and is expected to close by August 28, 2023.

Suggest content with Copilot

- Focus on SEO
- Upgrade website design
- Search out to relevant websites
- Optimize page speed
- Research target audience

Let's build an app. What should it do?

Collect RSVPs Track sales leads List inventory Manage inspections

I need an app for management of company meeting rooms

Security Copilot

Multi stage attack involving phishing and execution

User Jonathan Wolcott with the email address jonathan.wolcott@contoso.com and operating on cont-jonathan-pc received a phishing email titled 'Contoso bonus' with a malicious URL. They clicked the URL which downloaded a file called 'contract.pdf' from...

How can I adjust my system to get work done?

# Copilot stack



# Copilot stack



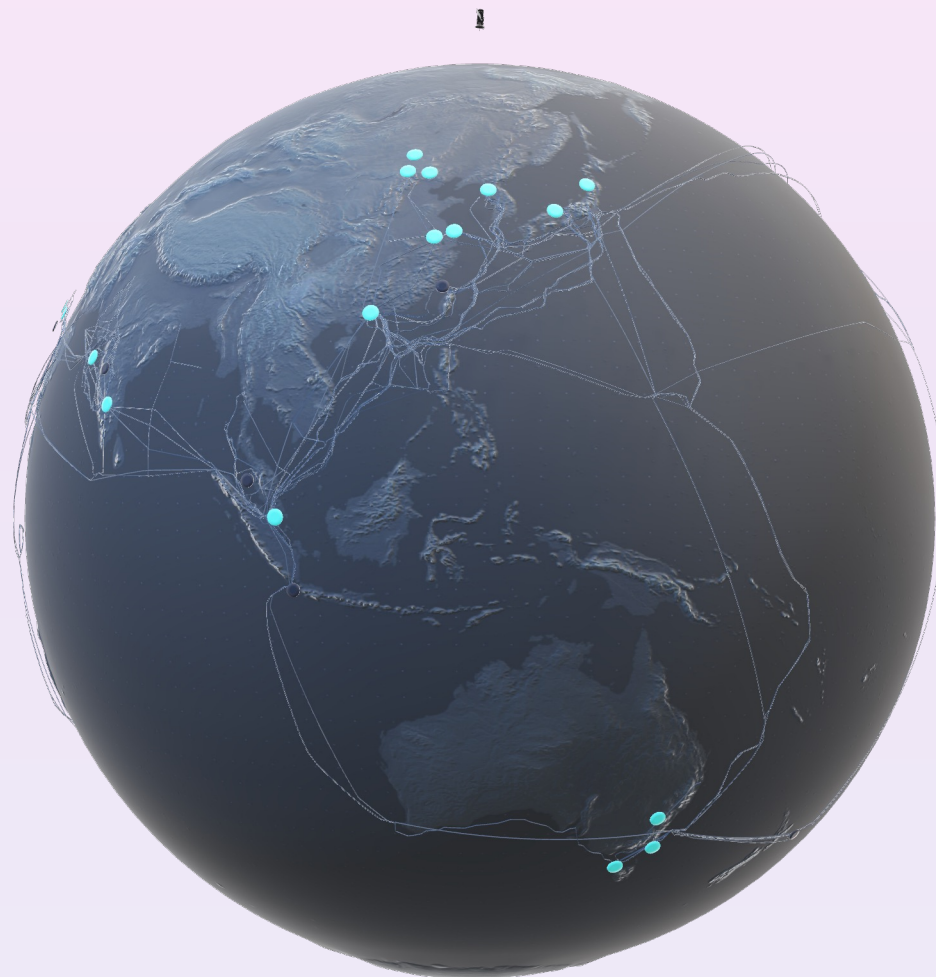
# 算力与 AI 模型

Petaflop/s-day, 线性刻度



# 世界的计算机

60+  
Azure 区域



300+  
全球数据中心



2023年11月

- 1 Frontier, HPE  
1,194.00 PFlop/s
- 2 Aurora, Intel  
585.34 PFlop/s
- 3 Eagle, Microsoft Azure  
561.20 PFlop/s
- 4 Supercomputer Fugaku, Fujitsu  
442.01 PFlop/s
- 5 LUMI, HPE  
379.70 PFlop/s
- 6 Leonardo, EVIDEN  
238.70 PFlop/s
- 7 Summit, IBM  
148.60 PFlop/s
- 8 MareNostrum 5 ACC, EVIDEN  
138.20 PFlop/s
- 9 Eos NVIDIA DGX SuperPOD, NVIDIA  
121.40 PFlop/s
- 10 Sierra, IBM / NVIDIA / Mellanox  
94.64 PFlop/s



# Copilot stack



# Azure AI



Azure AI Services



Azure AI Search



Azure Machine Learning



Azure AI Studio



Azure AI Infrastructure

# Microsoft



# OpenAI

[aka.ms/OpenAI](https://aka.ms/OpenAI)

# Azure OpenAI Service

预览

GPT-4 Turbo

预览

GPT-4 Turbo  
with Vision

预览

DALL·E 3

预览

Fine-tuning

[aka.ms/AzureOpenAIService](https://aka.ms/AzureOpenAIService)

Microsoft



开源

# 模型即服务

Azure AI

Meta's  
Llama 2

Mistral's premium  
models

G42's Jais

Cohere's  
Command

开箱即用的APIs

托管微调

与领先的LLM工具集成

# Copilot stack





# Microsoft Fabric

## AI时代的数据分析平台

统一的  
存储和计算

统一的  
体验

统一的  
治理

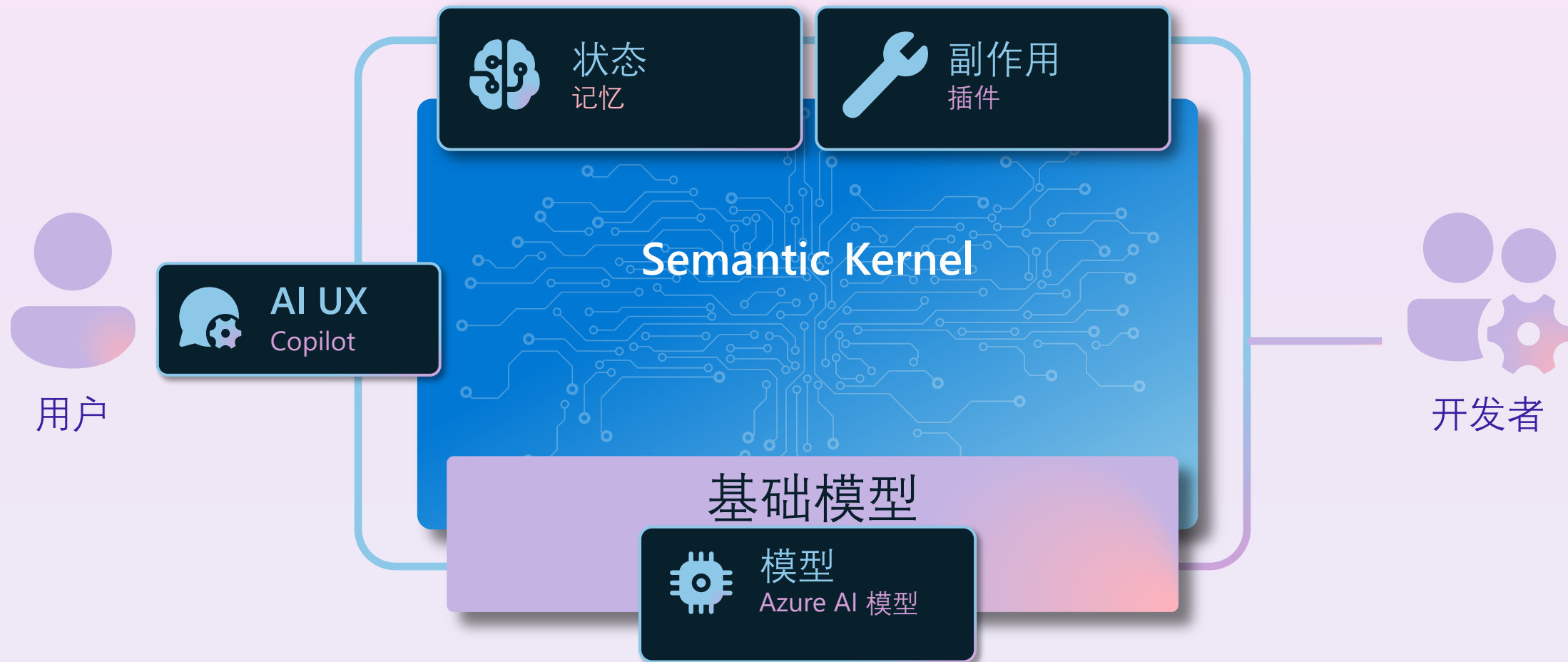
统一的  
业务模型



# Copilot stack



# 简化智能体验编排



# Copilot stack





Visual Studio





# GitHub Copilot

46%

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的新代码出自AI

96%

---

的开发者能更快的完成重  
复性任务

75%

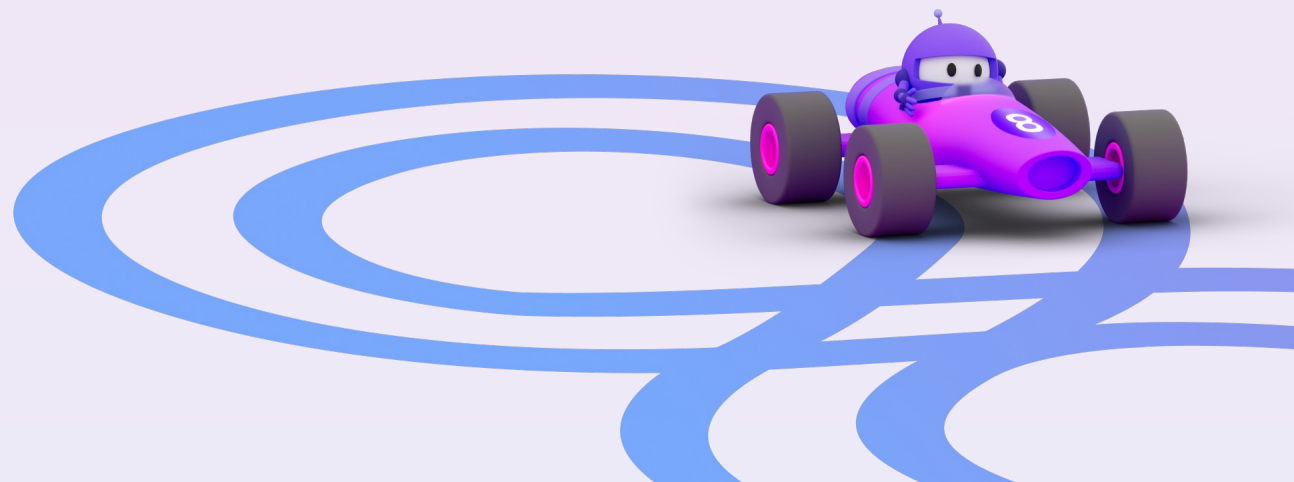
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的开发者感到更专注于工作，  
满意度更高

# 演示

Jacky Huang

GitHub 亚洲资深技术专家

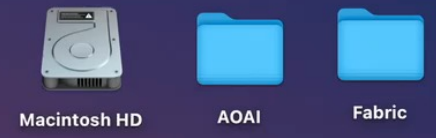




File Explorer window showing the 'Documents' folder. The left sidebar lists Favorites (Recents, Applications, Desktop, Documents, Downloads), iCloud (QuickTime, iCloud Drive, Shared), Locations (lokinfey's..., OneDrive, Network), and Tags. The main pane shows a 'Zoom' folder. The top bar includes navigation arrows, a 'Documents' breadcrumb, and a search field. 'Cancel' and 'Open' buttons are at the bottom right.

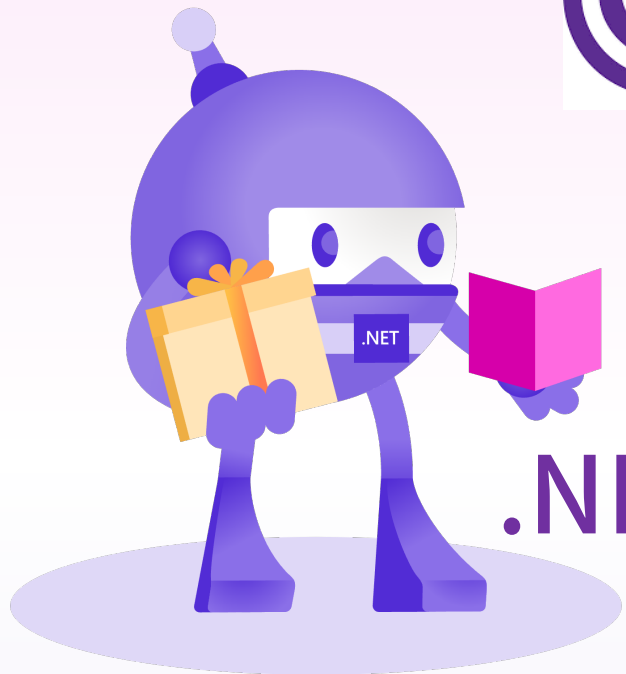
Weather widget for Haidian. Current temperature: -8°C. Forecast: Mostly Cloudy. High: -5°C, Low: -13°C. Hourly forecast: 7:28 AM (-8°C), 8 AM (-8°C), 9 AM (-7°C), 10 AM (-6°C), 11 AM (-5°C), 12 PM (-5°C).

Calendar widget for Friday, December 15. Events include: 'Someleze OOF - Springboks Day' (All Day), 'Coral Yu (Shanghai Wicresoft Co,...)' (9:00 AM - 9 hr), 'ARD Big Data Community Sharin...' (11:00 AM - 1 hr), '畅谈乳腺癌 / Talking about Breast...' (1:00 PM - 1 hr), and 'Online Rehearsal - 12/15 .NET Co...' (1:30 PM - 1 hr). Includes '+ 3 more events' link.

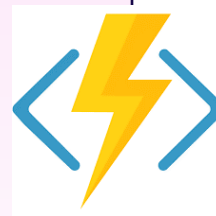


Microsoft Edge tooltip





What's Microsoft Fabric ?



# .NET 打造的 RAG 方案

Azure Functions



AKS



Microsoft Learn Fabric Library

Chunking



Plugins

Kblist

- Fabric
- OneLake
- LakeHouse



Azure OpenAI Service  
Embeddings

+



drant



# .NET AI

## 构建您的.NET智能应用

.NET  AI



开箱即用的 AI 功能



轻松上手 Azure Open AI  
和 Azure Cognitive  
Search SDKs



通过 Semantic Kernel  
集成大语言模型



快速增长的 AI 生态

谢谢!