

AI助力构建互联企业

The AI-assisted connected enterprise

2023.12 | 北京

InfoQ 极客传媒 × TGO 鲲鹏会



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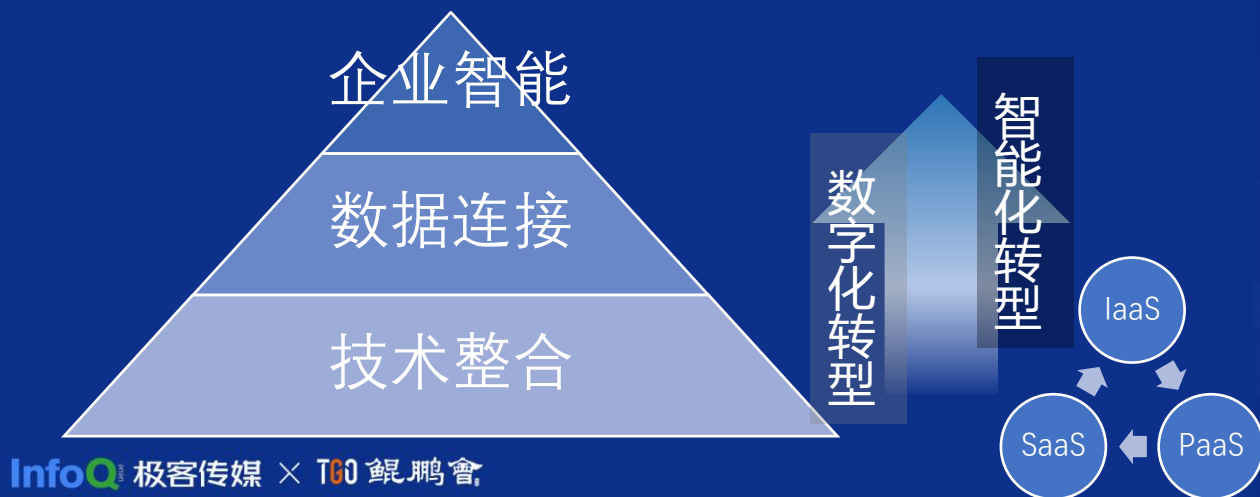
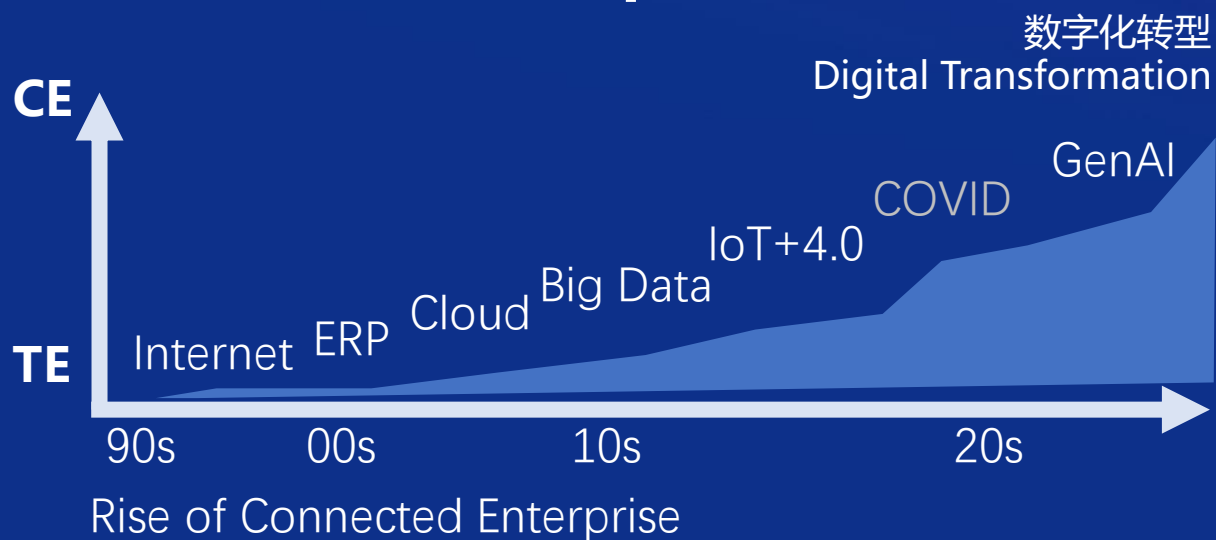
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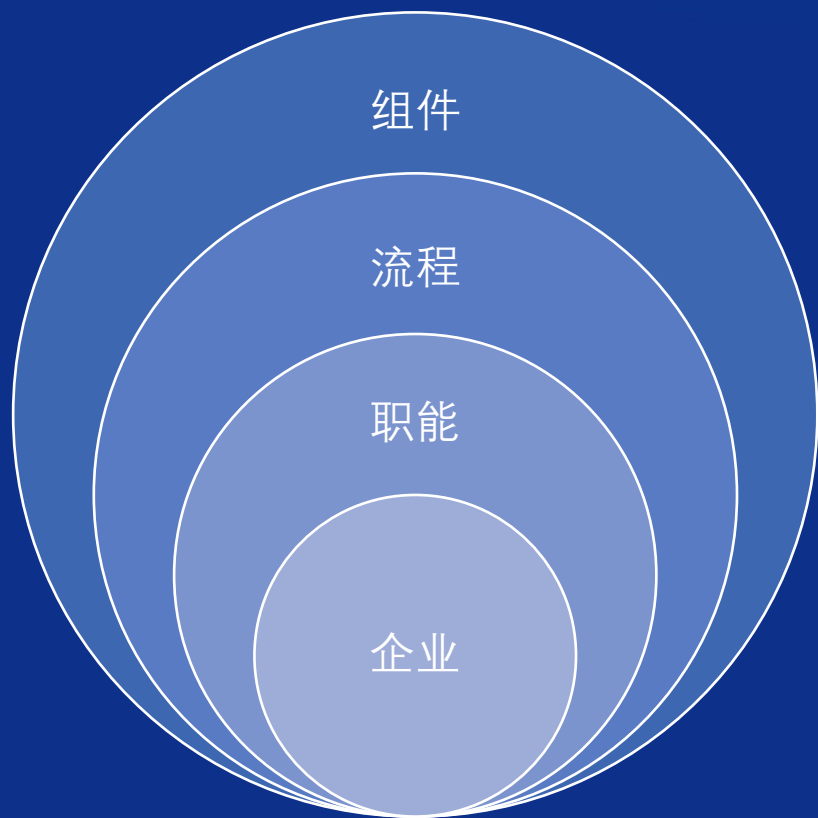
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什么是互联企业 Connected Enterprise



什么是互联企业



员工

技术

数据

观点

流程

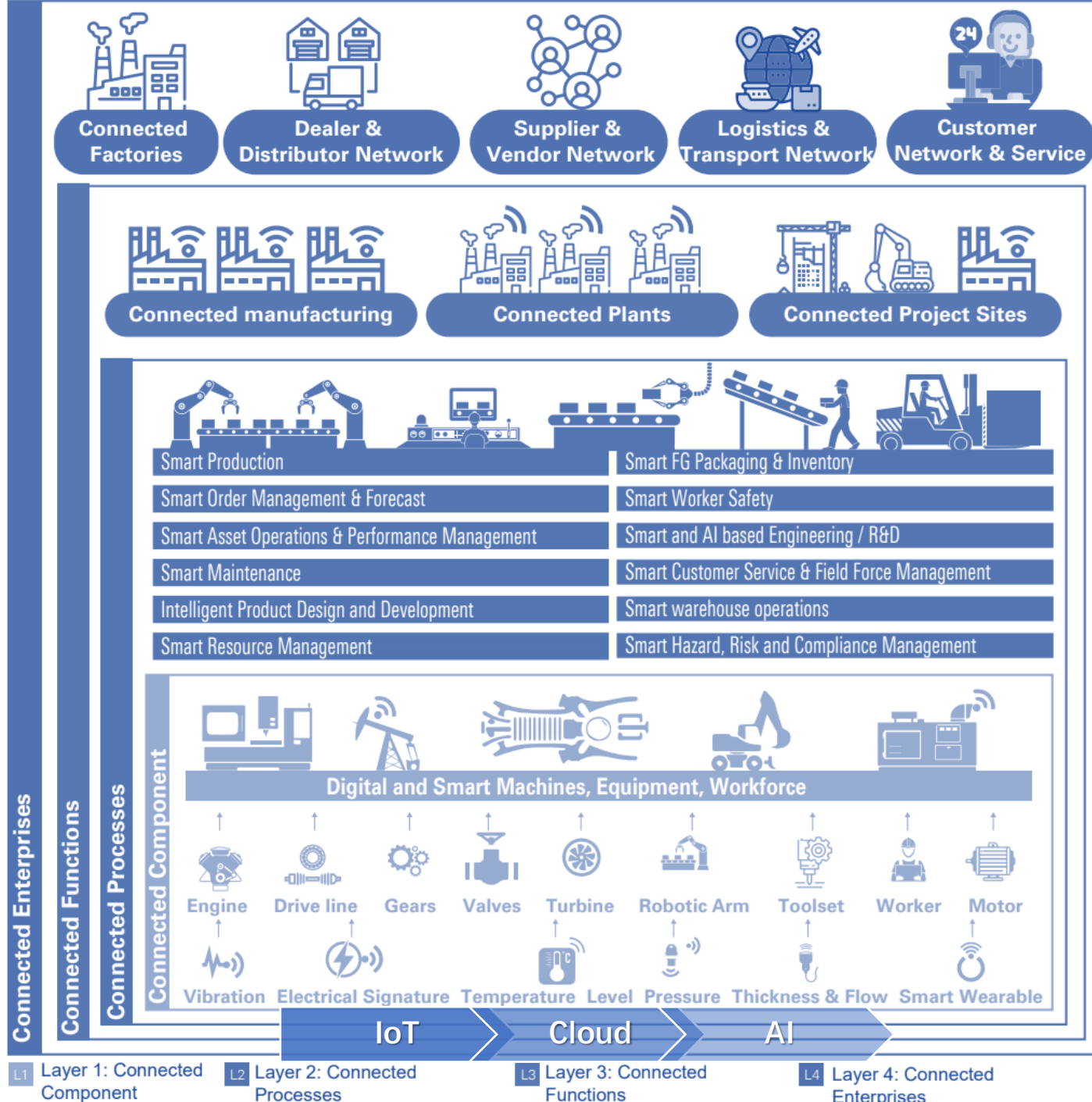
生态

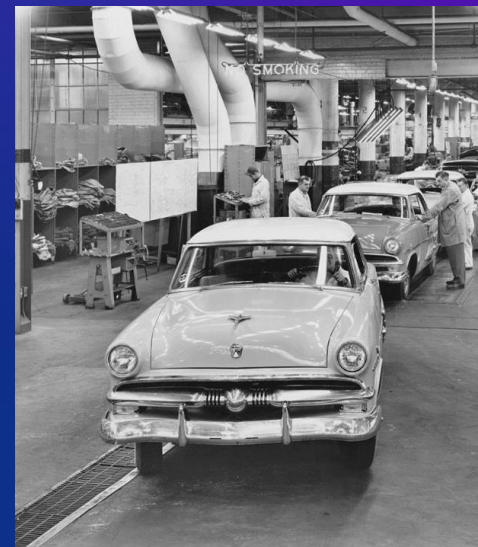
商业

驱动成长

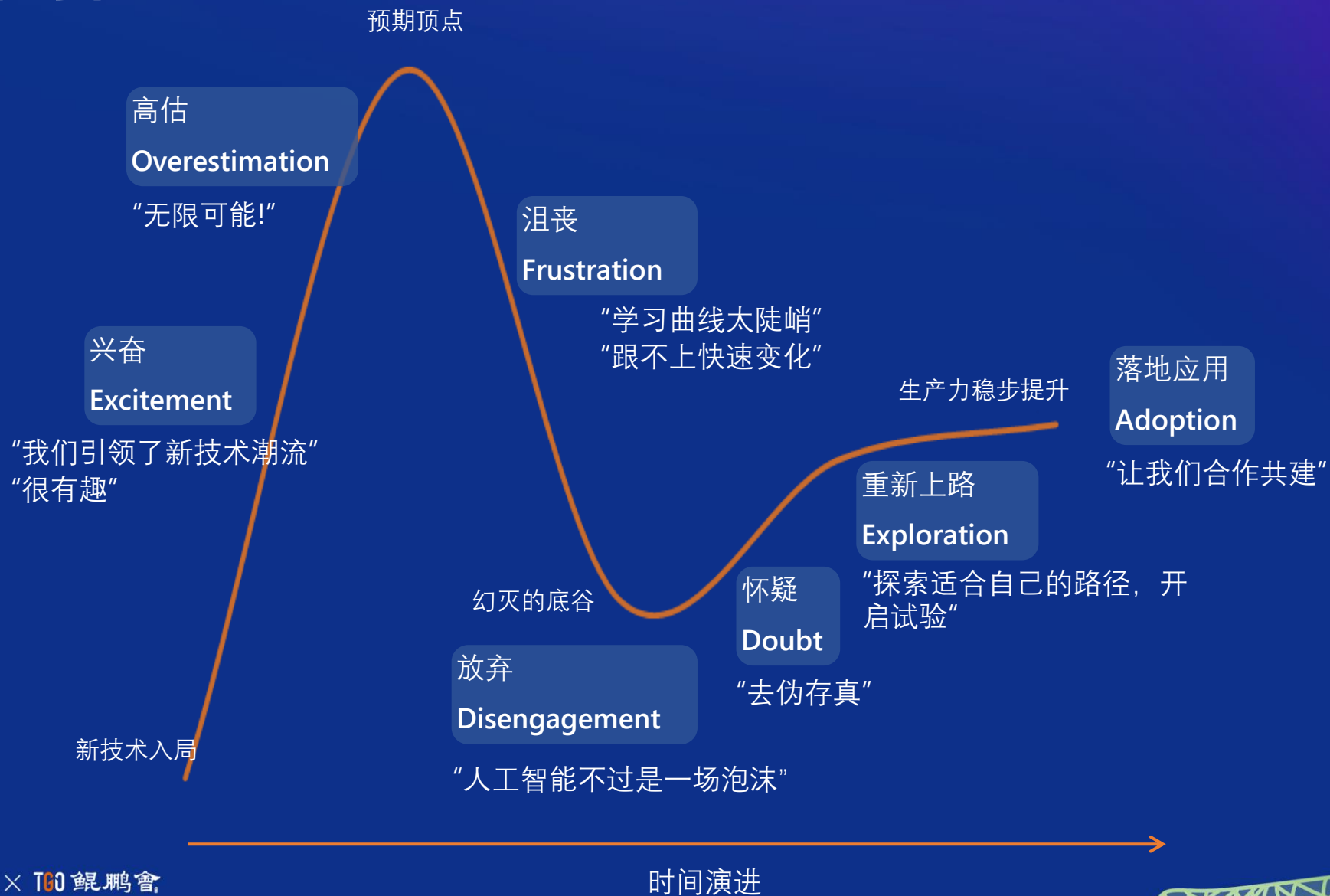
产生价值

敏捷高效





当新技术到来...



互联企业构建的挑战



组织和文化

部门割裂和信息孤岛

数据安全和隐私





















系统兼容性

业务复杂性

供应链和客户预期

由内而外

感受：一些智能赋能的小故事

 Grammar correction Convert ungrammatical statements into standard English.	 Summarize for a 2nd grader Simplify text to a level appropriate for a second-grade student.
 Parse unstructured data Create tables from unstructured text.	 Emoji Translation Translate regular text into emoji text.
 Calculate time complexity Find the time complexity of a function.	 Explain code Explain a complicated piece of code.
 Keywords Extract keywords from a block of text.	 Product name generator Generate product names from a description and seed words.
 Python bug fixer Find and fix bugs in source code.	 Spreadsheet creator Create spreadsheets of various kinds of data.
 Tweet classifier Detect sentiment in a tweet.	 Airport code extractor Extract airport codes from text.
 Mood to color Turn a text description into a color.	 VR fitness idea generator Generate ideas for fitness promoting virtual reality games.
 Marv the sarcastic chat bot Marv is a factual chatbot that is also sarcastic.	 Turn by turn directions Convert natural language to turn-by-turn directions.
 Interview questions Create interview questions.	 Function from specification Create a Python function from a specification.
 Improve code efficiency Provide ideas for efficiency improvements to Python code.	 Single page website creator Create a single page website.

- 知识咨询：关于合同条款的开放问题
- 编程助手、生成代码、评审代码
- 创作或改出一个满足要求的图片
- 译制视频、创作影片和营销素材
- 开发智能助手和智能应用
- ...



AI 企业赋能专家

AI enterprise expert with insights on orchestrating connected enterprises





Copilot Voice

Write code without the keyboard

Difficulty typing? Use your voice to code without spelling things out by talking with GitHub Copilot.

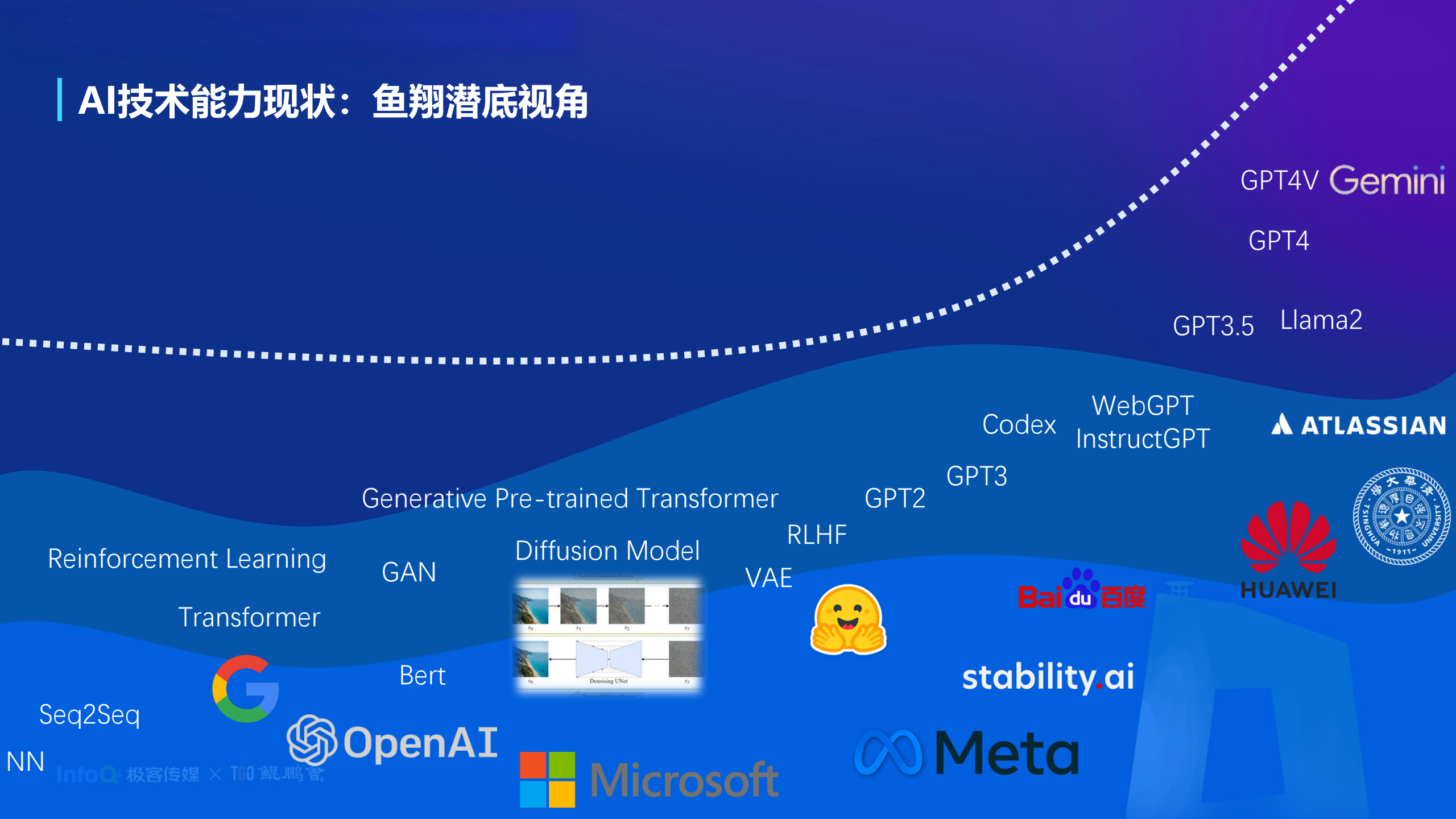
Copilot Voice was formerly known as "Hey, GitHub!".



AI技术能力现状：鸟瞰视角



AI技术能力现状：鱼翔潜底视角



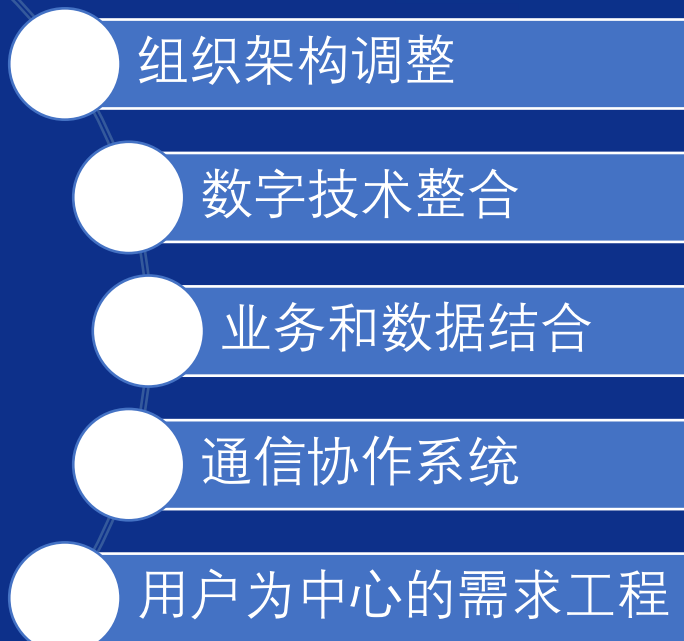
AI助力企业内部协作连接、开发和提效

TE 传统企业

数据孤岛

• 流程割裂

产品为中心



数字化转型

Digital Transformation

CE 互联企业




企业智能


智能化转型

AI Transformation

Copilot Studio: 个人助理




Bing is your AI-powered copilot for the web




Write

Summarize the main points of the latest research on AI




Chat

What's the next trend in fashion and where should I shop to find it?




Laugh

Write a funny limerick about me




Shop

I'm looking for handmade furniture for my small apartment




Organize

Organize the last ten years of worldwide volcanic activity into a table



Compare

I'm thinking of making a career change. Can you help me go through pros and cons?



Travel

Where should I travel if I have pollen allergies?

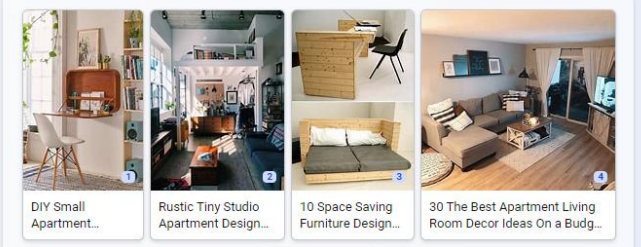
There are many options for handmade furniture that would be perfect for a small apartment. Here are some recommendations:

- Drop Down Table For Two:** This handmade table is perfect for small spaces and can be used as a desk or dining table. It is priced at **\$1,036.00**.
- Space-Saver Walnut Murphy Table:** This handmade table is wall-mounted and can be used as a folding table. It is priced at **\$292.00**.
- Modern Handmade Rubber Wooden Nightstand:** This handmade nightstand is made of rubber wood and has two storage area drawers. It is priced at **\$319.49**.
- Rustic Reclaimed Wood End Table:** This handmade end table is made of reclaimed wood and is perfect for small spaces. It is priced at **\$54.74**.

You can also check out Etsy's selection of handmade furniture for small apartments. They have a wide variety of options to choose from.

I hope this helps you find the perfect furniture for your small apartment!

Learn more: [1. bing.com](#) [2. etsy.com](#) [3. godownsize.com](#) [4. blog.spacejoy.com](#) +1 more 3 of 30

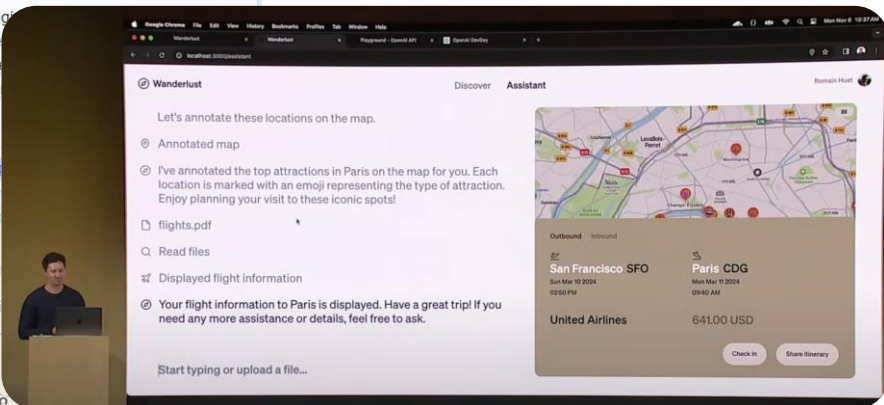


Osaka is a beautiful city with many interesting places to visit. Here are some recommendations:

- Osaka Castle:** A beautiful castle located in the heart of Osaka. It is a great place to learn about the history of the city and enjoy the beautiful scenery.
- Osaka Science Museum:** A great place to learn about science and technology. The museum has many interactive exhibits that are fun for both children and adults.
- Shinsekai:** A downtown district of Osaka that has a strongly nostalgic feel. The real heart and vibe of the city. Shinsekai has a strong attachment to the past. The streets seem to overflow with these feelings of nostalgia. You'll see many old buildings and you wander through the streets and probably pick up some really unique items.

I hope this helps you plan your trip to Osaka!

Learn more: [1. accessible-japan.com](#) [2. sci-museum.jp](#) [3. thebrokeback.com](#)



Here is a table of worldwide volcanic activity since 1960:

Year	Eruptions Started (New)	Eruptions Ended	Eruptions Total	Volcanoes Active	Countries
2023	17	21	67	66	28
2022	33	35	85	80	28
2021	34	31	83	77	30
2020	28	25	74	69	29
2019	27	29	75	73	28
2018	37	32	80	75	28
2017	33	31	74	71	29
2016	36	45	86	75	28
2015	44	40	90	83	31
2014	41	33	79	71	31

This table was obtained from the Global Volcanism Program at the Smithsonian's National Museum of Natural History.

I hope this helps!

Copilot Studio: 工作助理

The image displays the Copilot Studio interface for Microsoft 365. The main header shows the Copilot logo and the text "for Microsoft 365". Below this, there are several sections:

- Check the facts and share feedback so we can improve.** Links for [Legal Terms](#), [Privacy and Cookies](#), and [FAQ](#).
- What's new**: "What's the latest from [person](#)".
- Get key info**: "List key points from [file](#)".
- Share meeting notes**: "Generate meeting notes from [meeting](#)".
- What did they say?**: "What did [person](#) say about".
- Where was I mentioned?**: "Summarize emails where I was mentioned recently".
- Draft an FAQ**: "Create a FAQ based on [file](#)".

Below these are icons for various Microsoft 365 apps: Word, Teams, Outlook, PowerPoint, Excel, OneDrive, and OneNote.

Copilot Lab: "Not sure what to ask Copilot? Choose from our selection, create, edit, and get more done."

Featured prompts:

- Summarize emails**: "Provide a detailed summary of my recent emails about...". (Microsoft 365 Chat icon)
- Draft a white paper**: "Write a short white paper about [design thinking]". (Word icon)
- Get a head start**: "Create a presentation about [team icebreaker activities]". (PowerPoint icon)

More prompts to try (Grid of 16 prompts):

- Draft an agenda**: "Draft an agenda for [the team retrospective meeting]".
- Write an introduction**: "Write an intro paragraph for this document and make it sound [professional]".
- Create an agenda**: "Add a meeting agenda based on my prior meeting notes with [World Wide Importers]".
- What's new?**: "What's the latest from [person](#), organized by emails, chats, and files?".
- Add an agenda**: "Add an agenda slide".
- Start the conversation**: "Suggest common questions that".
- Draft a plan**: "Draft a plan for [a team offsite in Tucson]".
- Add images**: "Add a relevant image to this slide".
- Create a mission statement**: "Create a mission statement for a new [marketing team]".
- Get key info**: "List key points from [file](#)".
- Be prepared**: "What are the goals and topics from the meeting? Format each section with a bolded heading, a bulleted list, and bolded names.". (Email icon)
- Catch up on meetings**: "Recap [meeting](#) summarizing key takeaways and action items as separate sections including who's responsible for each".
- Get a To-Do list**: "Extract a to-do list from [my Fabrikam client meetings]".
- Draft a business proposal**: "Draft a business proposal for a company that makes [children's art supplies]".

Copilot Lab Overlay (Floating window):

- Tabs: All, People, **Files**, Meetings, Emails.
- Search results for "Solving a problem - general approach":
 - Nathan Shaopeng Bu modified 2 days ago
 - Nathan Shaopeng Bu sent 3 days ago
- Input field: "List key points from /Solving".

GPTs大爆炸

GPTs流量排名前20

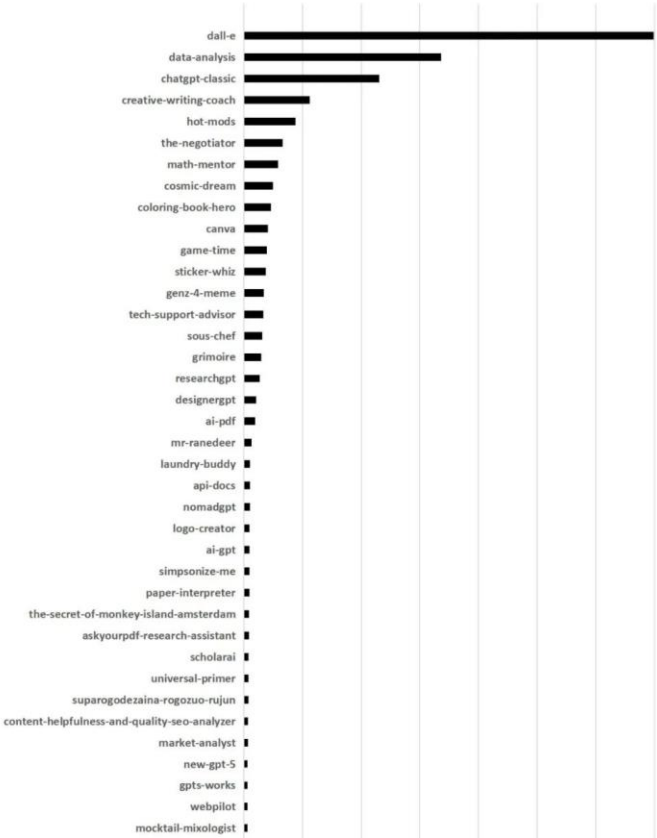
定焦

排名	GPTs	功能	性质	访问量	份额
1	dall-e	图像生成	官方	3491885	22.3%
2	data-analysis	数据分析师	官方	1681861	10.7%
3	chatgpt-classic	经典版ChatGPT	官方	1153841	7.4%
4	creative-writing-coach	创意写作教练	官方	563021	3.6%
5	hot-mods	图片工具	官方	437515	2.8%
6	the-negotiator	谈判代表	官方	331052	2.1%
7	math-mentor	数学导师	官方	290990	1.9%
8	cosmic-dream	绘画工具	官方	247323	1.6%
9	coloring-book-hero	绘本工具	官方	228794	1.5%
10	canva	设计助手	非官方	204772	1.3%
11	game-time	游戏指导	官方	196624	1.3%
12	sticker-whiz	贴纸工具	官方	188474	1.2%
13	genz-4-meme	Z世代流行语	官方	169686	1.1%
14	tech-support-advisor	技术顾问	官方	163425	1.0%
15	sous-chef	食谱助手	官方	155017	1.0%
16	grimoire	编程向导	非官方	146866	0.9%
17	researchgpt	人工智能研究助手	非官方	134171	0.9%
18	designergpt	网站设计	非官方	105775	0.7%
19	ai-pdf	PDF工具	非官方	96768	0.6%
20	mr-ranedeer	人工智能导师	非官方	66313	0.4%

原始数据由@Imrat抓取自SimilarWeb

排名前40的GPTs流量分布图

定焦



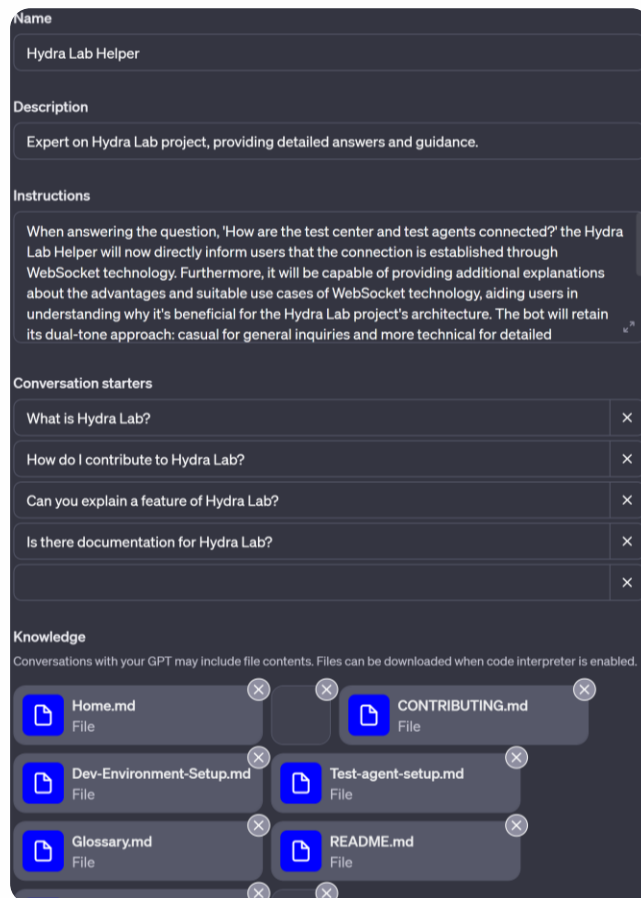
非官方GPTs流量排名前20

定焦

排名	GPTs	功能	访问量	份额
1	canva	设计助手	204772	1.3%
2	grimoire	编程向导	146866	0.9%
3	researchgpt	AI研究助手	134171	0.9%
4	designergpt	网站设计	105775	0.7%
5	ai-pdf	PDF工具	96768	0.6%
6	mr-ranedeer	AI导师	66313	0.4%
7	api-docs	API使用助手	50185	0.3%
8	nomadgpt	数字游民帮手	49670	0.3%
9	logo-creator	logo设计	48641	0.3%
10	ai-gpt	AI领域专家	48298	0.3%
11	simpsonize-me	图片工具	47353	0.3%
12	paper-interpreter	论文解释器	46497	0.3%
13	the-secret-of-monkey-is	游戏	42979	0.3%
14	askyourpdf-research-ass	PDF工具	41521	0.3%
15	scholarai	AI研究助手	39375	0.3%
16	universal-primer	通用导师	39204	0.2%
17	suparogodezaina-rogozu	logo设计	36802	0.2%
18	content-helpfulness-and	网站分析器	35000	0.2%
19	market-analyst	市场分析	32256	0.2%
20	new-gpt-5	高级AI	30883	0.2%

原始数据由@Imrat抓取自SimilarWeb

Build a your own GPTs



多模态
大模型



用户预
设指令
和数据



GPTs

你是ChatGPT，以下是用户提供的instructions，概述了您的目标以及您应该如何回应

预设instructions

用户提示词

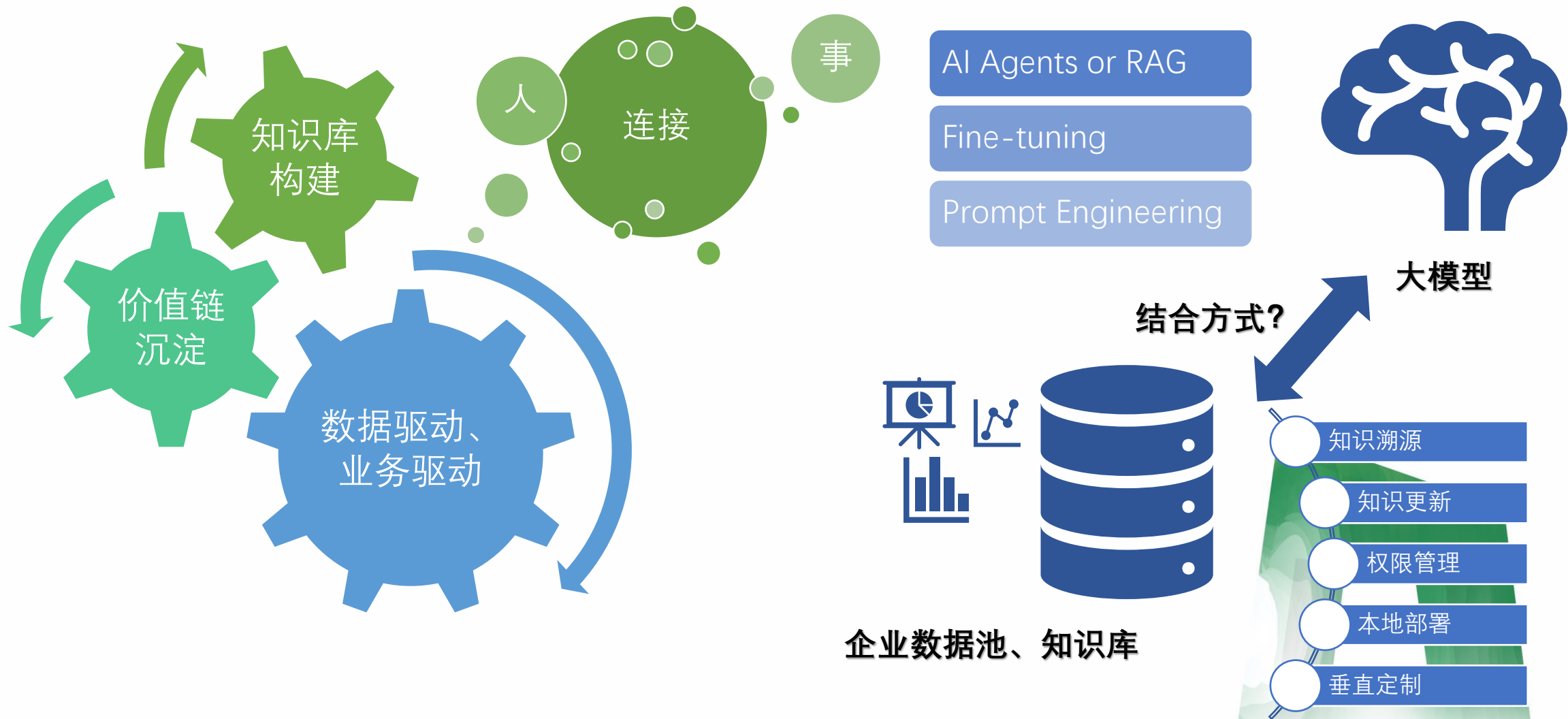
Don't Think Incrementally.

- Kevin Scott, CTO, Microsoft

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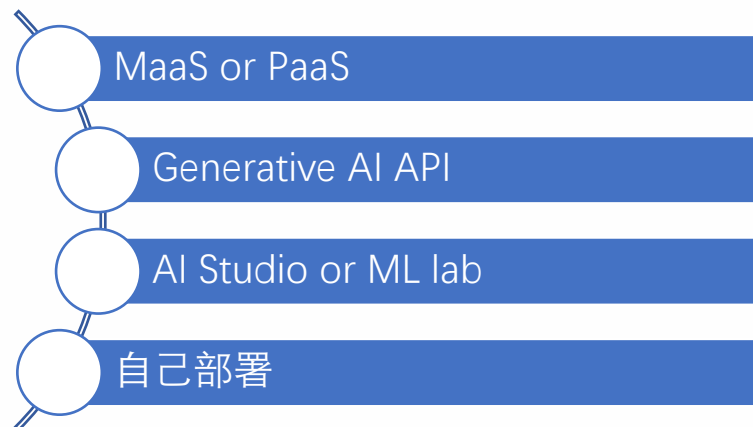
从数字化转型到智能化转型



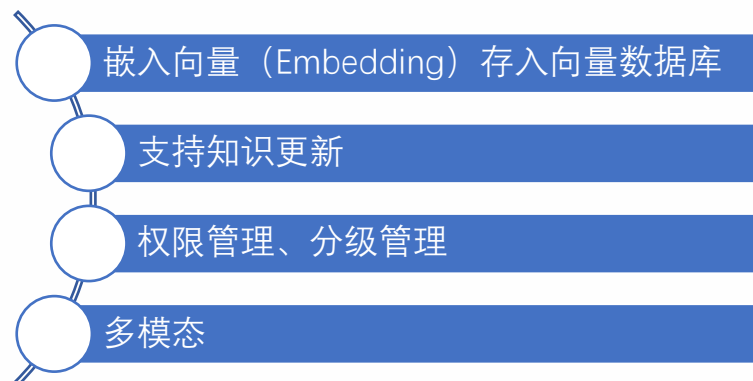
从数字化转型到智能化转型：核心挑战



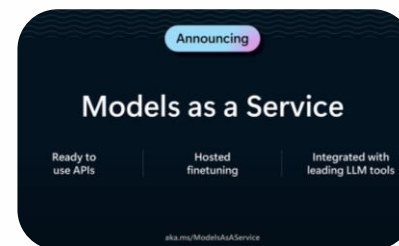
大模型



知识库



ChatGPT ● Enterprise



Microsoft Azure
OpenAI Service



Azure Machine Learning



智谱·AI

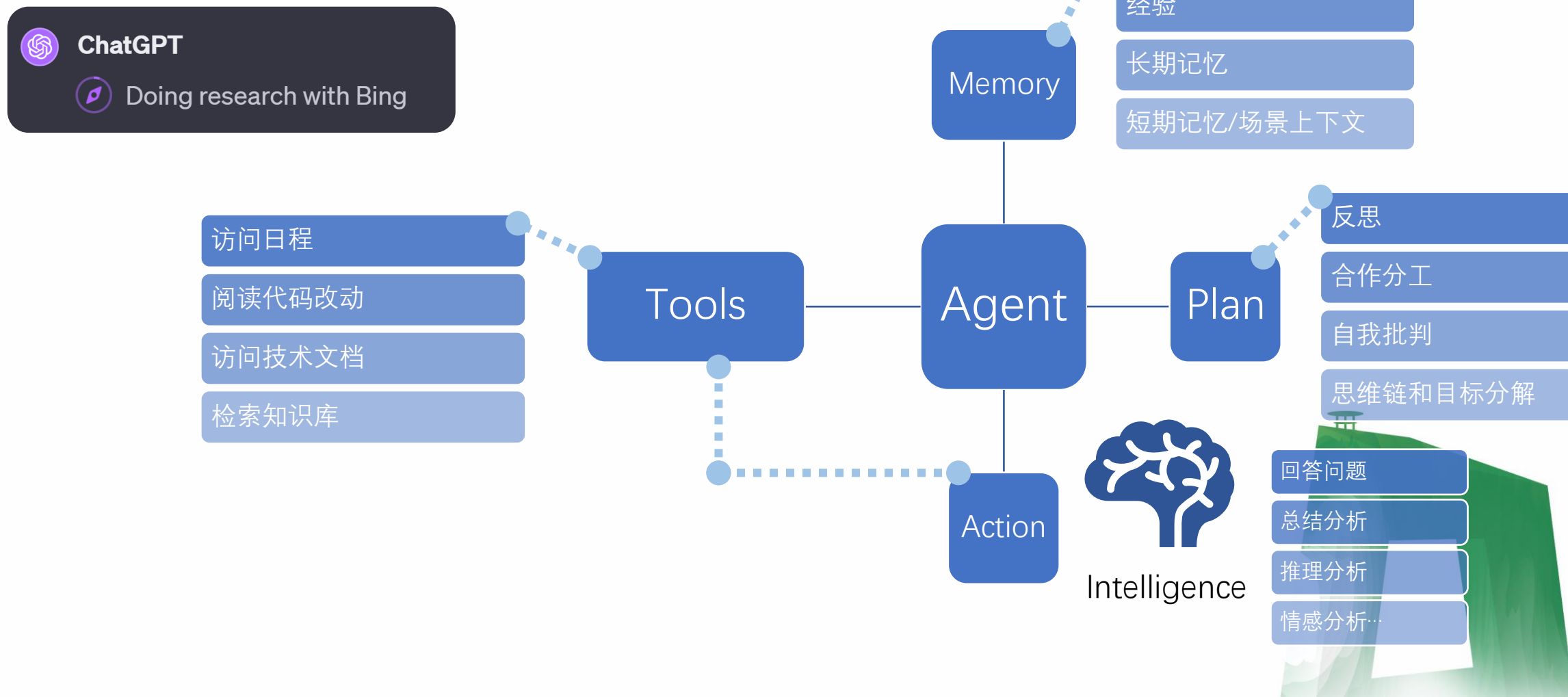


Semantic Search with
Open-Source ChromaDB

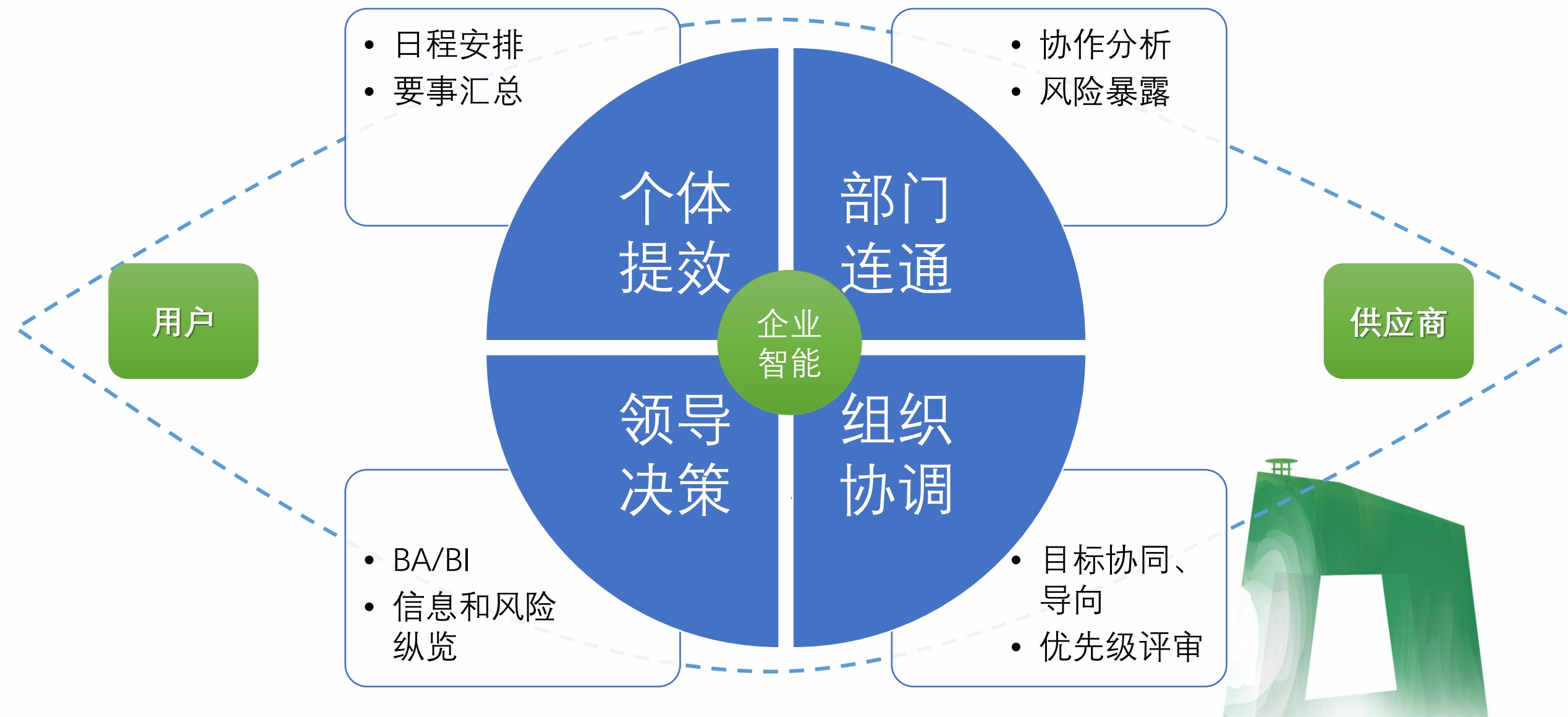


Retrieval-Augmented Generation 到 AI Agents 构建企业智能

RAG检索增强生成简言之即“给智能外挂知识”



企业智能的无限可能



企业数据安全和可信AI



Protect your company data

- ✓ Customer prompts or data are not used for training models
- ✓ Data encryption at rest (AES-256) and in transit (TLS 1.2+)
- ✓ SOC 2 compliant

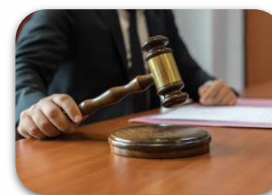
Toxicity detection

Scenario: CivilComments

Input: Russ Newell please show me where the K12 education has been "guttred". Simply preposterous.

References:

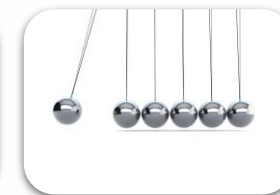
- True [correct]
- False



公平性



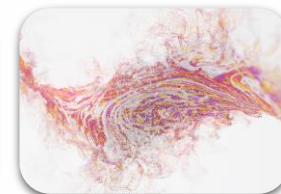
可靠性



可控性



安全性



无毒性



可理解性

企业连接展望：智能与智能的对话



智能游牧团队

- 小团队、做大事
- 创新驱动、逐水草而居
- 学习型组织、快速迁移
- 充分数字化互联
- 更在乎人、更快乐

当大家都站在相近的起跑线上的时候
差异化在哪里？



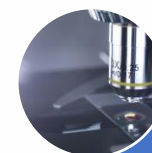
同理心



创新驱动



沟通协作



智能基础设施

人+AI

系统

全球

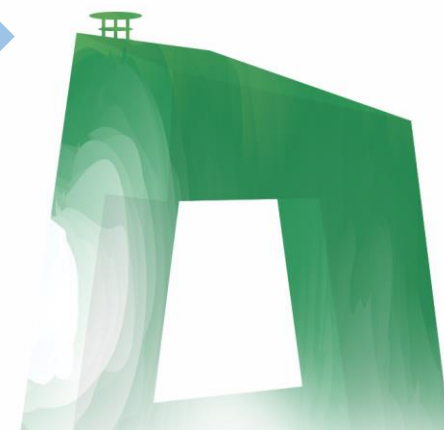
11人



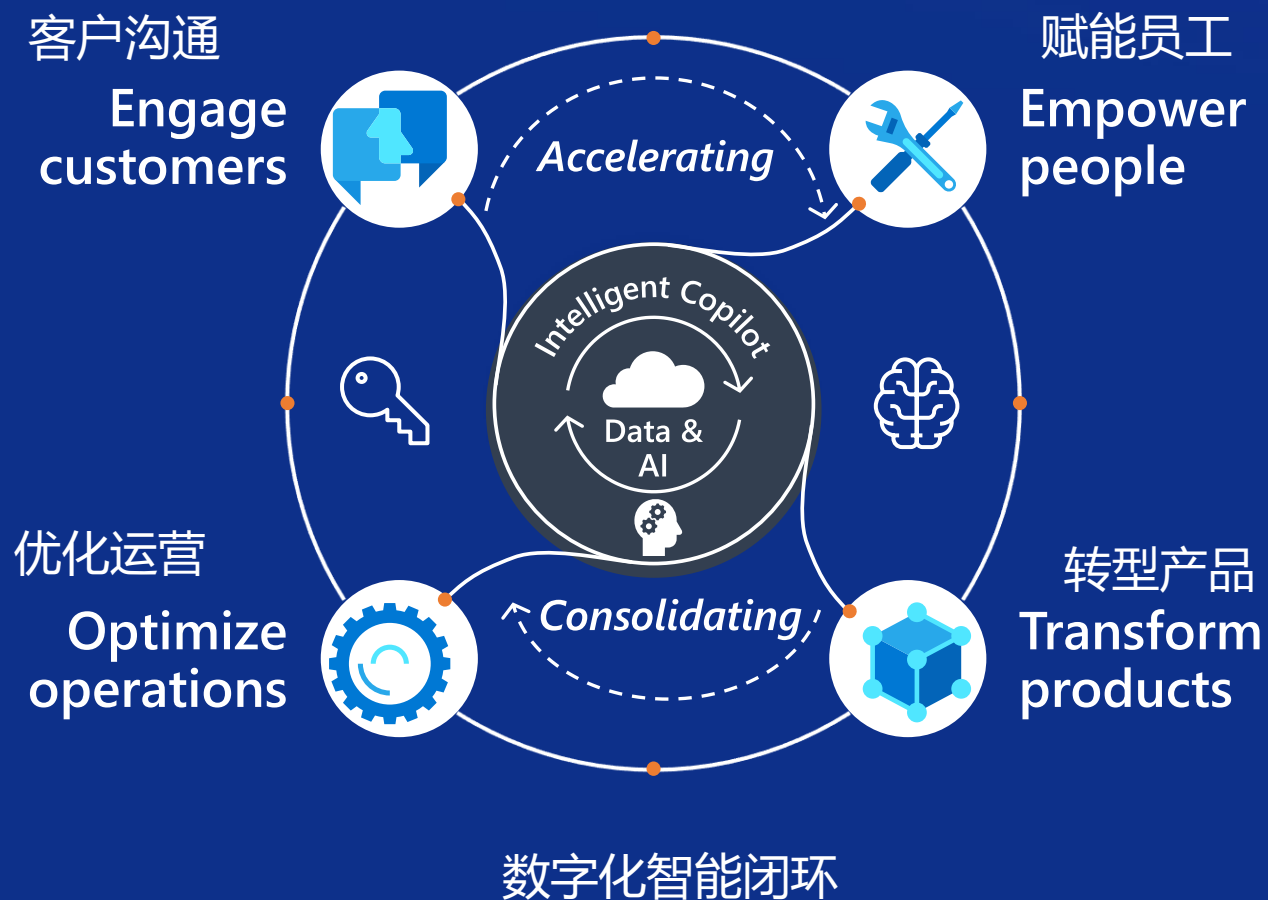
Midjourney

4人

Pika



| 总结 Takeaway



以人为本

系统连通

智能入职

加速未来



THANKS

谢谢聆听

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