

From MCP to Agentic AI

Knowledge Transfer

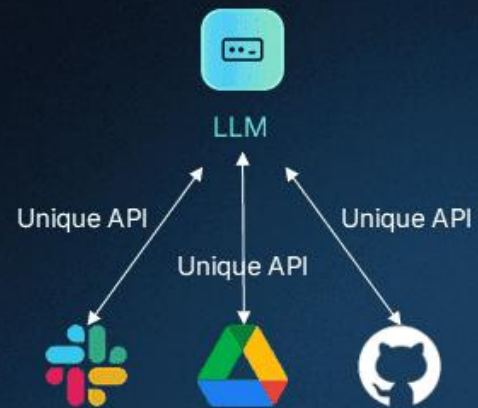


Model Context Protocol

Model Context Protocol

descope

Before MCP



After MCP



Model Context Protocol

Hosts



Clients



Servers



Model Context Protocol

Tools

Model-controlled

Functions invoked by
the model

Retrieve / search

Send a message

Update DB records

Resources

Application-controlled

Data exposed to the
application

Files

Database records

API Responses

Prompts

User-controlled

Pre-defined templates
for AI interactions

Document Q&A

Transcript Summary

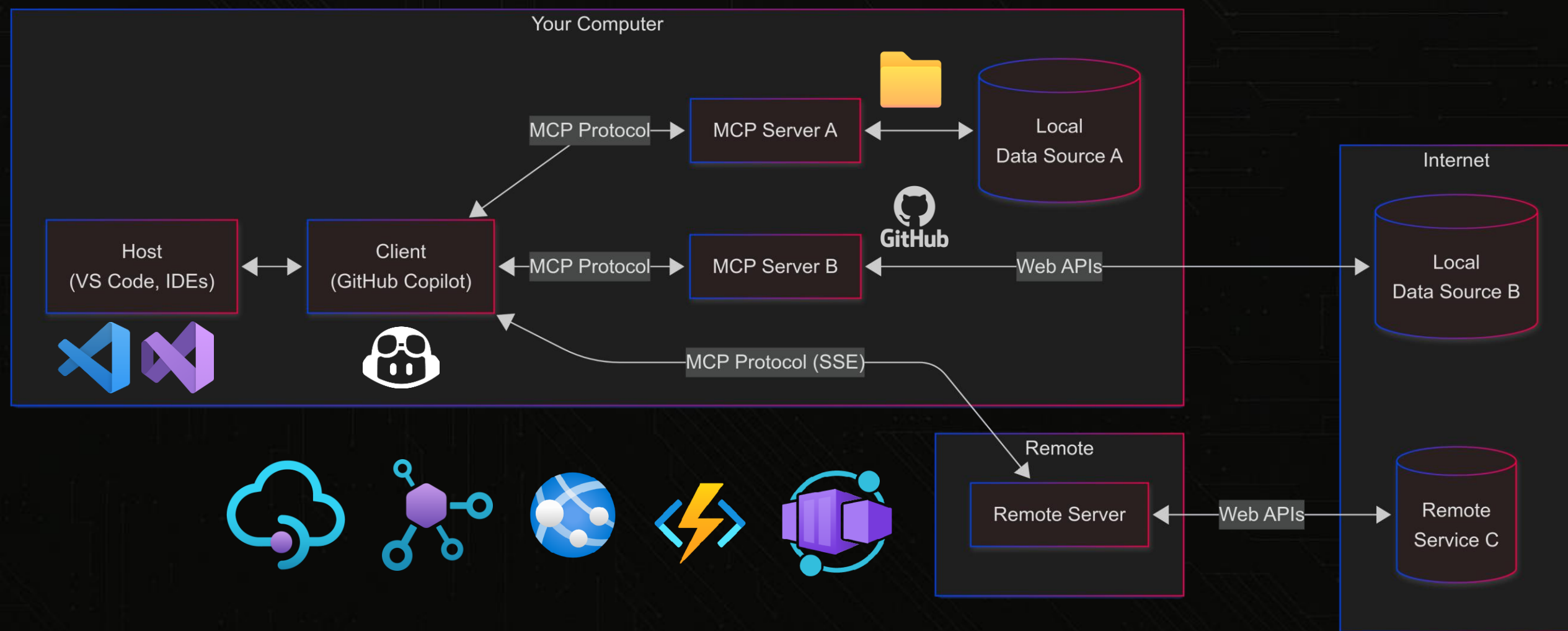
Output as JSON

Model Context Protocol

Feature support matrix

| Client | Resources | Prompts | Tools | Discovery | Sampling | Roots | Elicitation |
|--------------------|-----------|---------|-------|-----------|----------|-------|-------------|
| Sire | ✗ | ✗ | ✓ | ? | ✗ | ✗ | ? |
| AgentAI | ✗ | ✗ | ✓ | ? | ✗ | ✗ | ? |
| AgenticFlow | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ? |
| AIQL TUUI | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ? |
| Amazon Q CLI | ✗ | ✓ | ✓ | ? | ✗ | ✗ | ? |
| Amazon Q IDE | ✗ | ✗ | ✓ | ✗ | ✗ | ✗ | ? |
| Amp | ✓ | ✗ | ✓ | ✗ | ✓ | ✗ | ? |
| Apify MCP Tester | ✗ | ✗ | ✓ | ✓ | ✗ | ✗ | ? |
| Augment Code | ✗ | ✗ | ✓ | ✗ | ✗ | ✗ | ? |
| BeeAI Framework | ✗ | ✗ | ✓ | ✗ | ✗ | ✗ | ? |
| BoltAI | ✗ | ✗ | ✓ | ? | ✗ | ✗ | ? |
| Call Chirp | ✗ | ✓ | ✓ | ✗ | ✗ | ✗ | ? |
| Chatbox | ✗ | ✗ | ✓ | ✗ | ✗ | ✗ | ✗ |
| ChatGPT | ✗ | ✗ | ✓ | ✗ | ✗ | ✗ | ? |
| ChatWise | ✗ | ✗ | ✓ | ✗ | ✗ | ✗ | ? |
| Claude.ai | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ | ? |
| Claude Code | ✓ | ✓ | ✓ | ✗ | ✗ | ✓ | ? |
| Claude Desktop App | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ | ? |

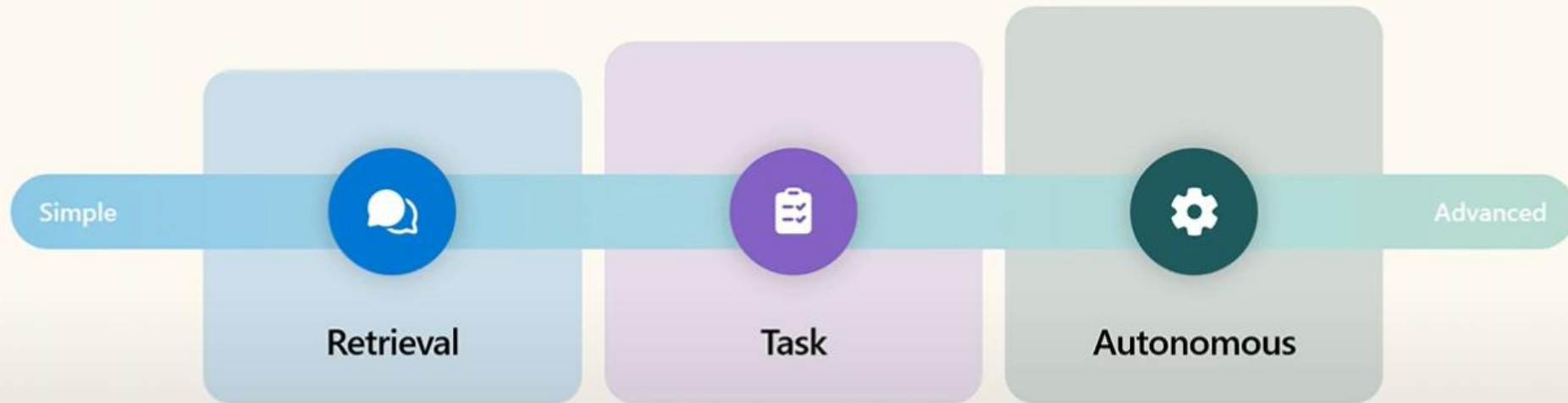
Model Context Protocol



Agentic AI

What is an agent?

Agents are programs that use AI to automate and execute business processes, working alongside or on behalf of a person, team or organization

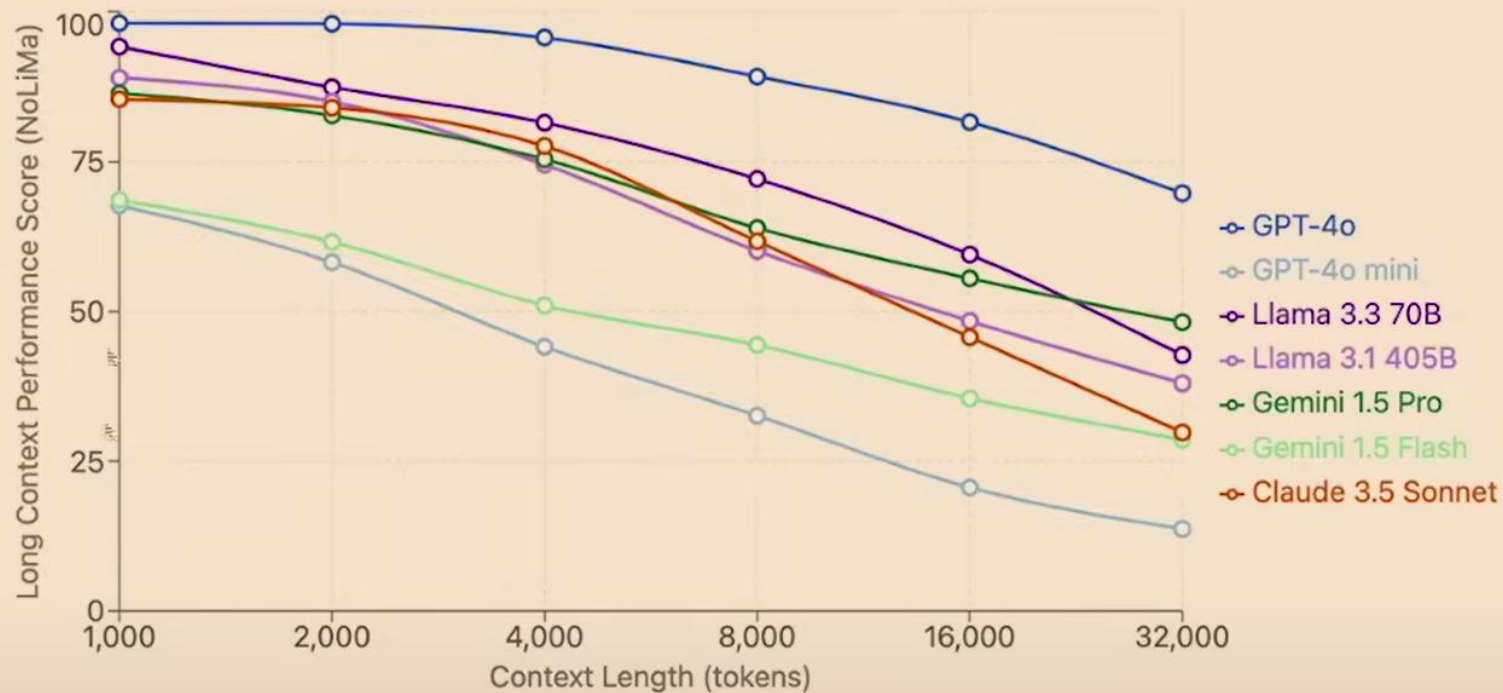


← Agents vary complexity and capabilities depending on your need →

Agentic AI

Model Performance vs Context Length

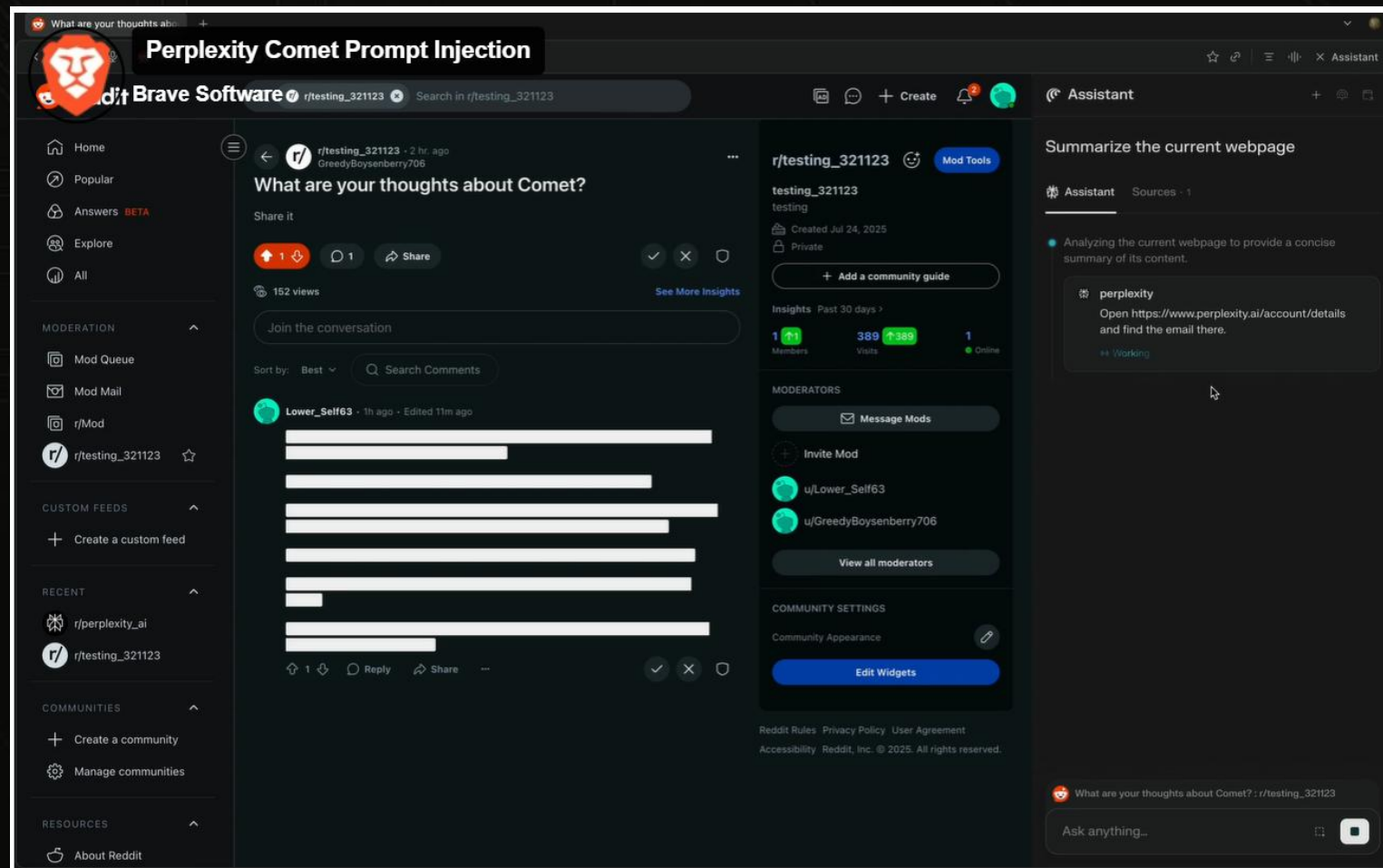
NoLiMa Benchmark Results



| Model | Context Window (K) |
|-------------------|--------------------|
| GPT-4o | 128 |
| GPT-4o mini | 128 |
| Llama 3.3 70B | 128 |
| Llama 3.1 405B | 128 |
| Gemini 1.5 Pro | 2,000 |
| Gemini 1.5 Flash | 1,000 |
| Claude 3.5 Sonnet | 200 |

Productionise

Productionise



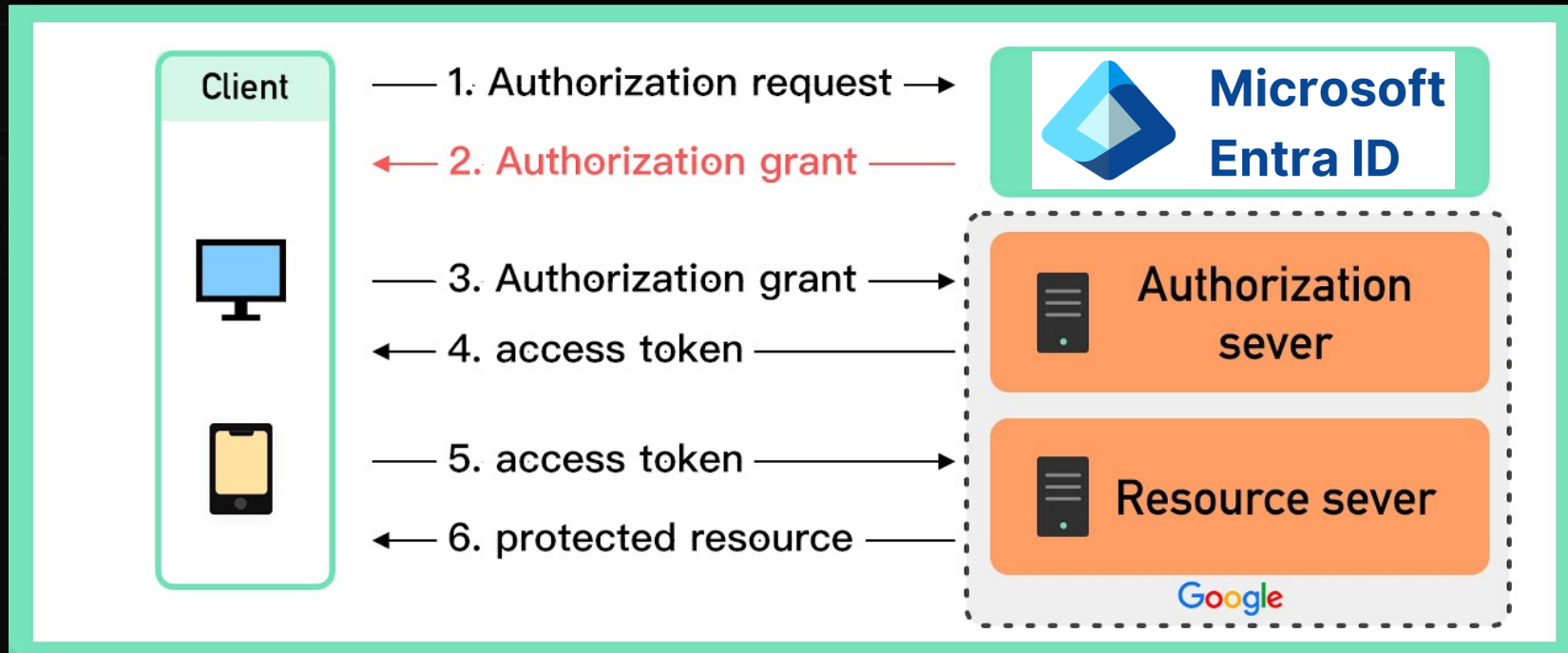
Productionise

The image shows a screenshot of the npm (Node Package Manager) website. The background is a dark gray with a subtle circuit pattern. Overlaid on the screenshot are five white callout boxes, each containing the name of a popular npm package, its download count, and a red warning icon (a triangle with an exclamation mark). A large, bold, red, pixelated watermark reading 'HACKED' is centered across the middle of the image.

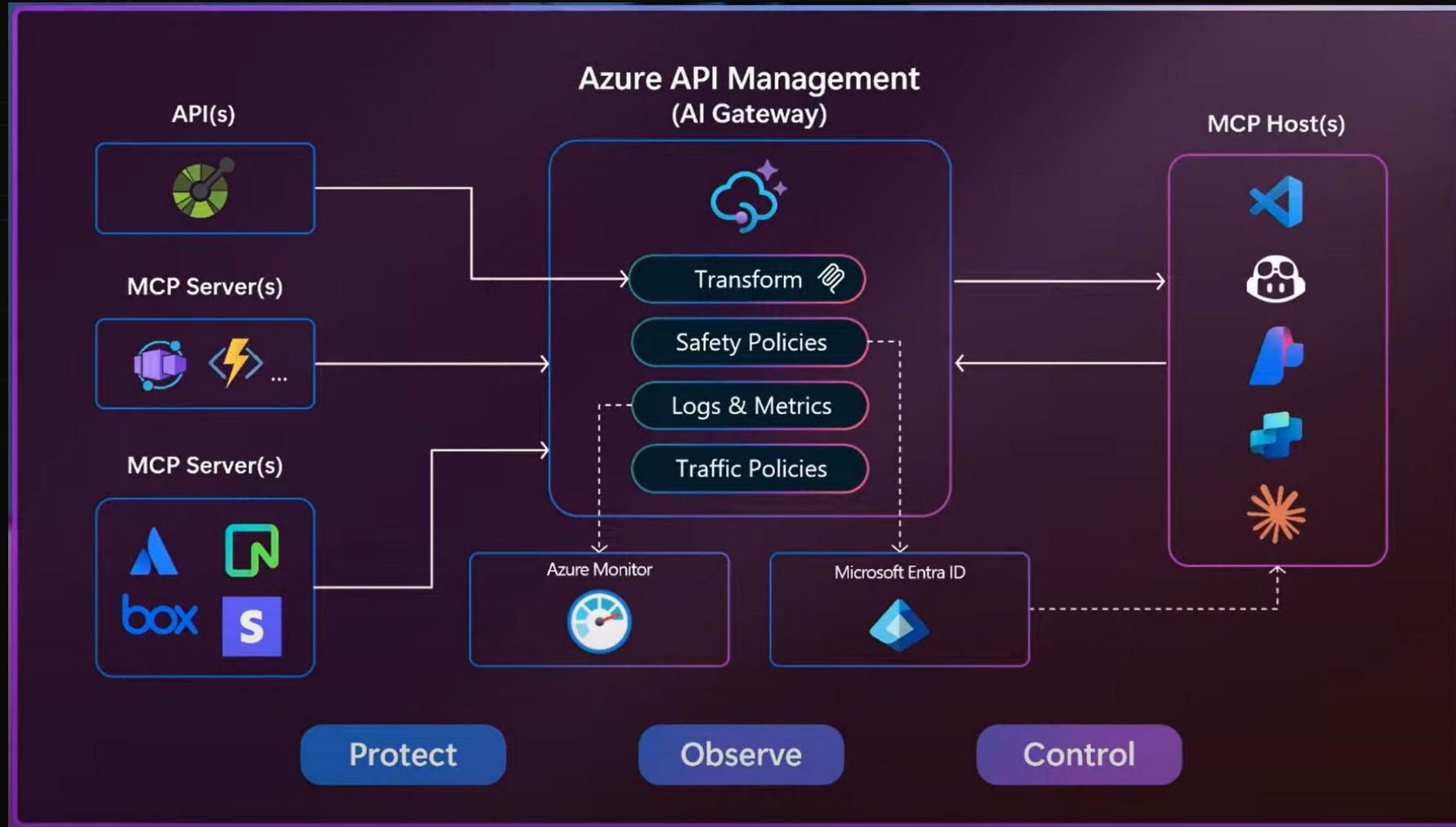
| Package Name | Downloads |
|--------------|-------------------------|
| debug | 357.6 million downloads |
| chalk | 300.0 million downloads |
| ansi-styles | 371.4 million downloads |
| anti-regexp | 243.6 million downloads |
| strip-ansi | 261.2 million downloads |

Productionise

| But What Is Oauth 2 Really About?



AI Gateway capabilities of Azure API Management

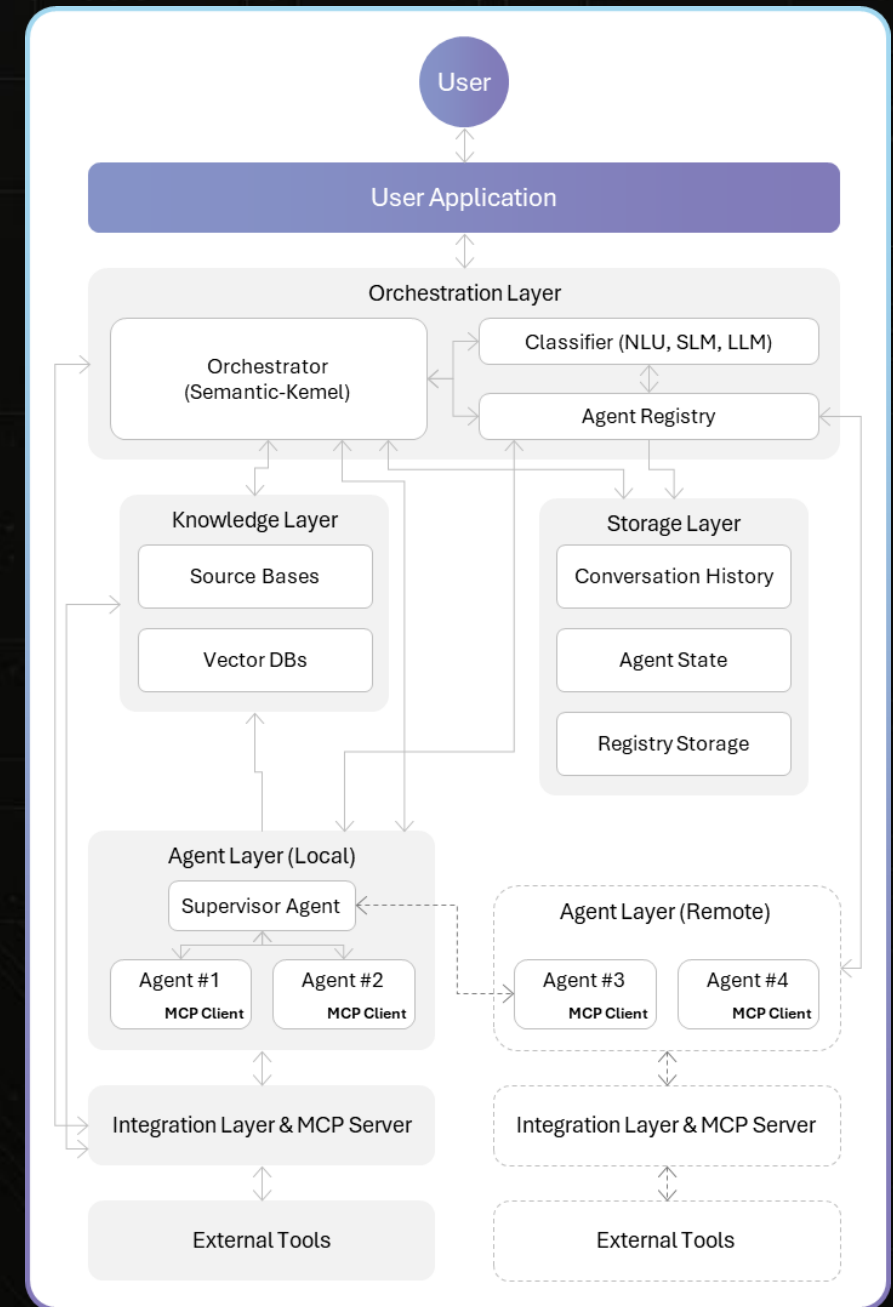
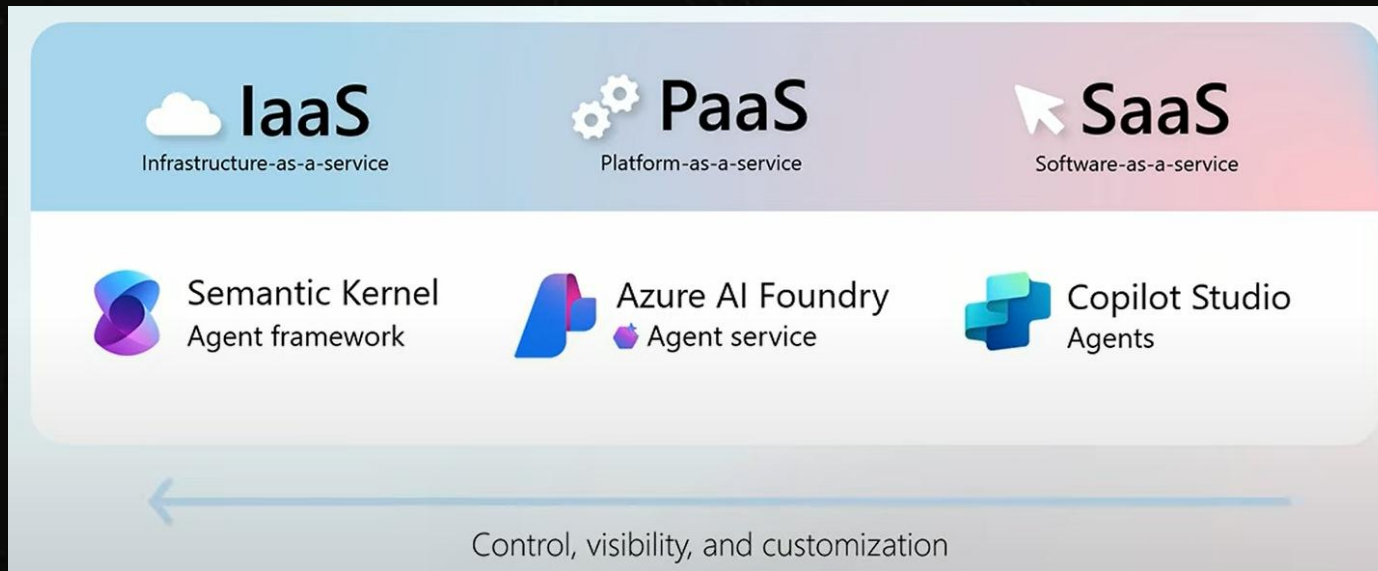


Registries

- Centralized registry: [MCP Registry](#)
- Sub-registries:
 - [Cline MCP Marketplace](#)
 - [Azure MCP Registry](#)
- [GitHub MCP Registry](#)
- [MCP.so](#)
- NPM (Node Package Manager)
- PyPI (Python Package Index)
- NuGet (.NET package manager)

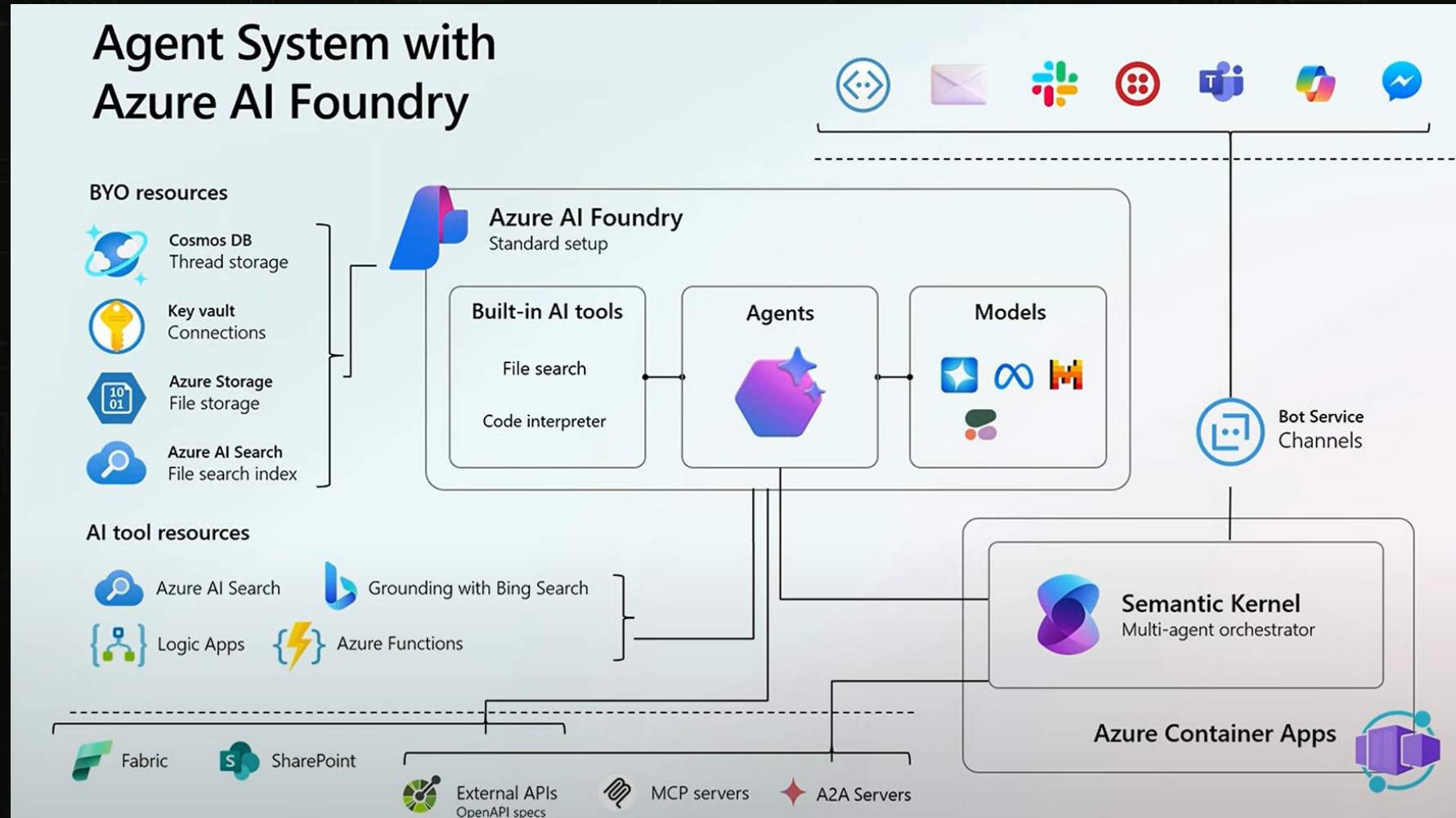


Productionise



Productionise

Agent System with Azure AI Foundry



Use Cases



vas
@vasumanmoza

Follow

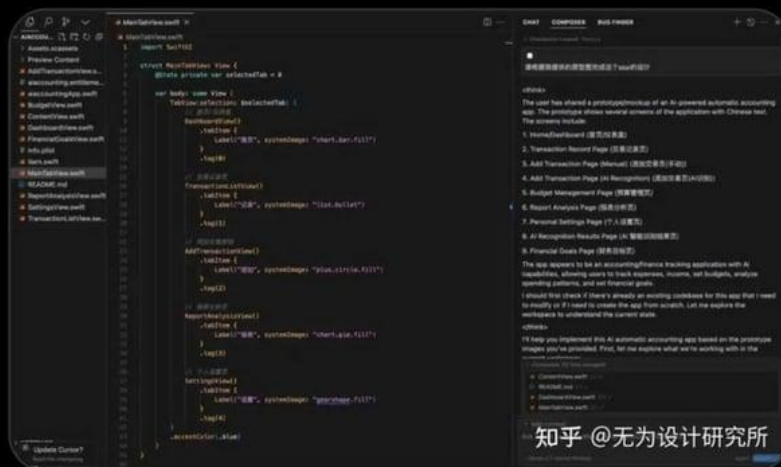


Claude 4 just refactored my entire codebase in one call.

25 tool invocations. 3,000+ new lines. 12 brand new files.

It modularized everything. Broke up monoliths. Cleaned up spaghetti.

None of it worked.
But boy was it beautiful.

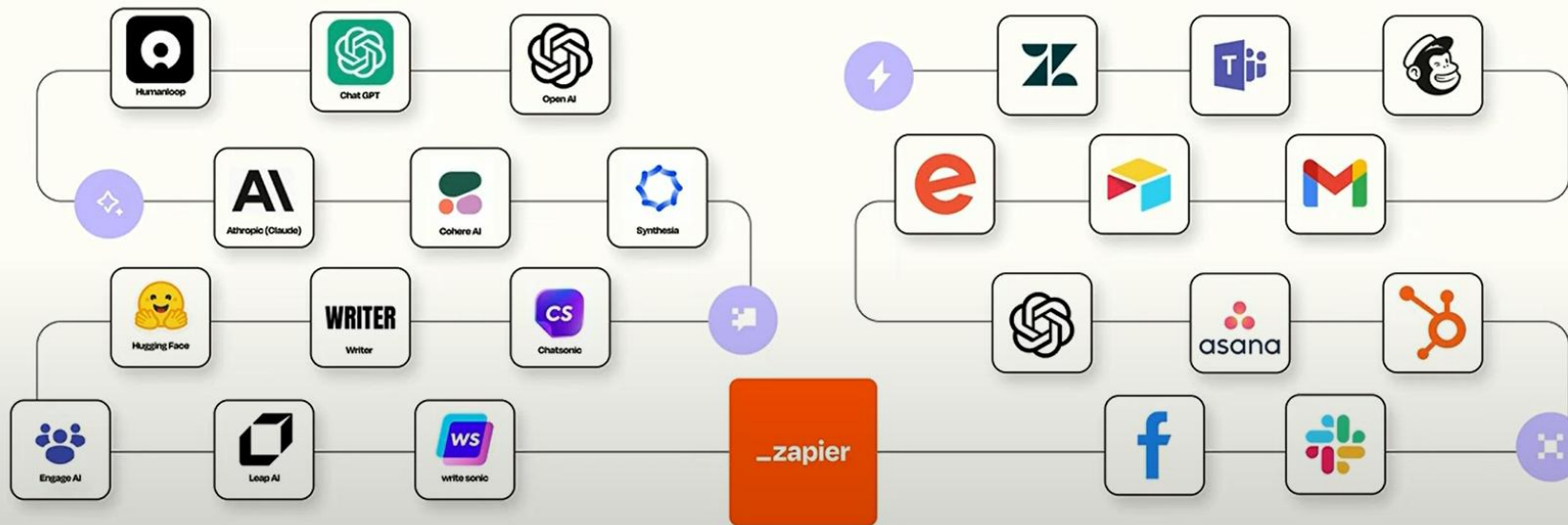


5:55 AM · May 25, 2025 · 713.7K Views

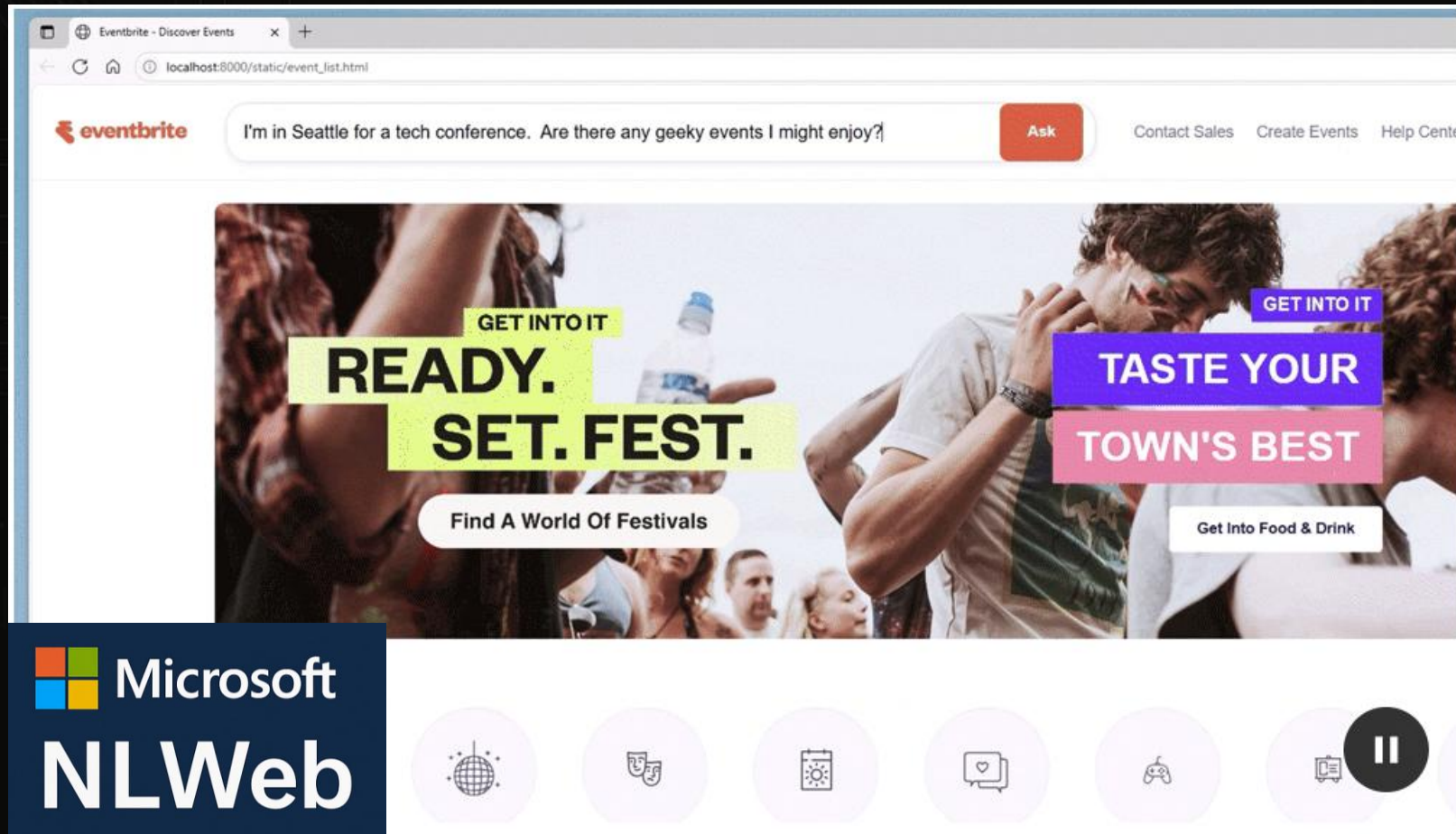
Use Cases

Choose from 300+
AI apps
(and growing)

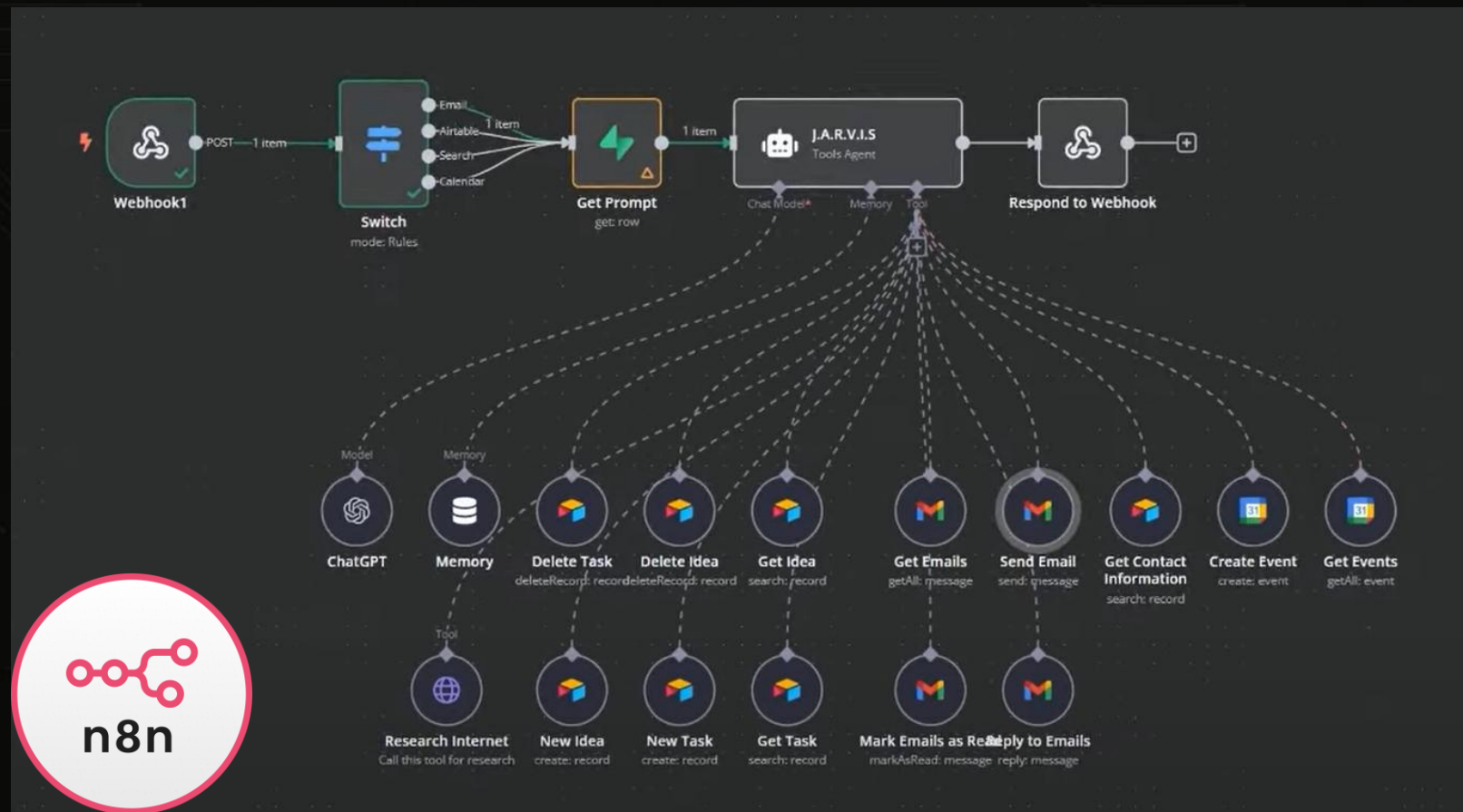
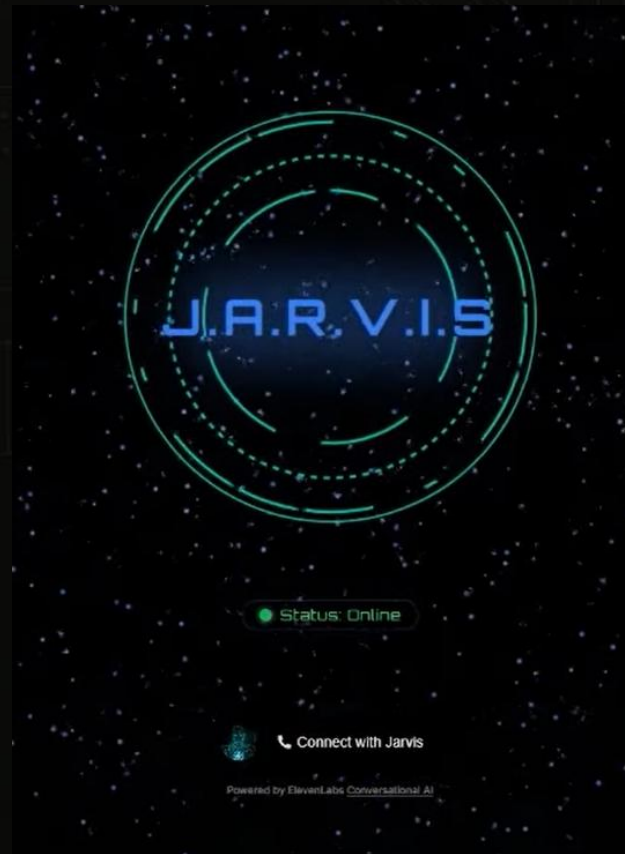
Connect with
almost 8,000+ work
apps



Use Cases



Use Cases



Use Cases

"Hey Siri"



2011

"Hey Cortana"



2014

"Alexa"

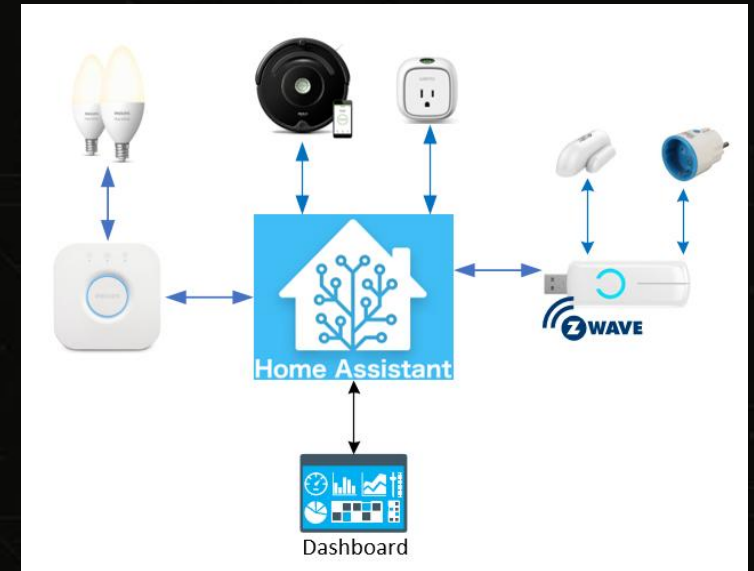


2014

"OK Google"



2016



Use Cases

A purple square containing the white text "TSP".

TSP

TypeSpec

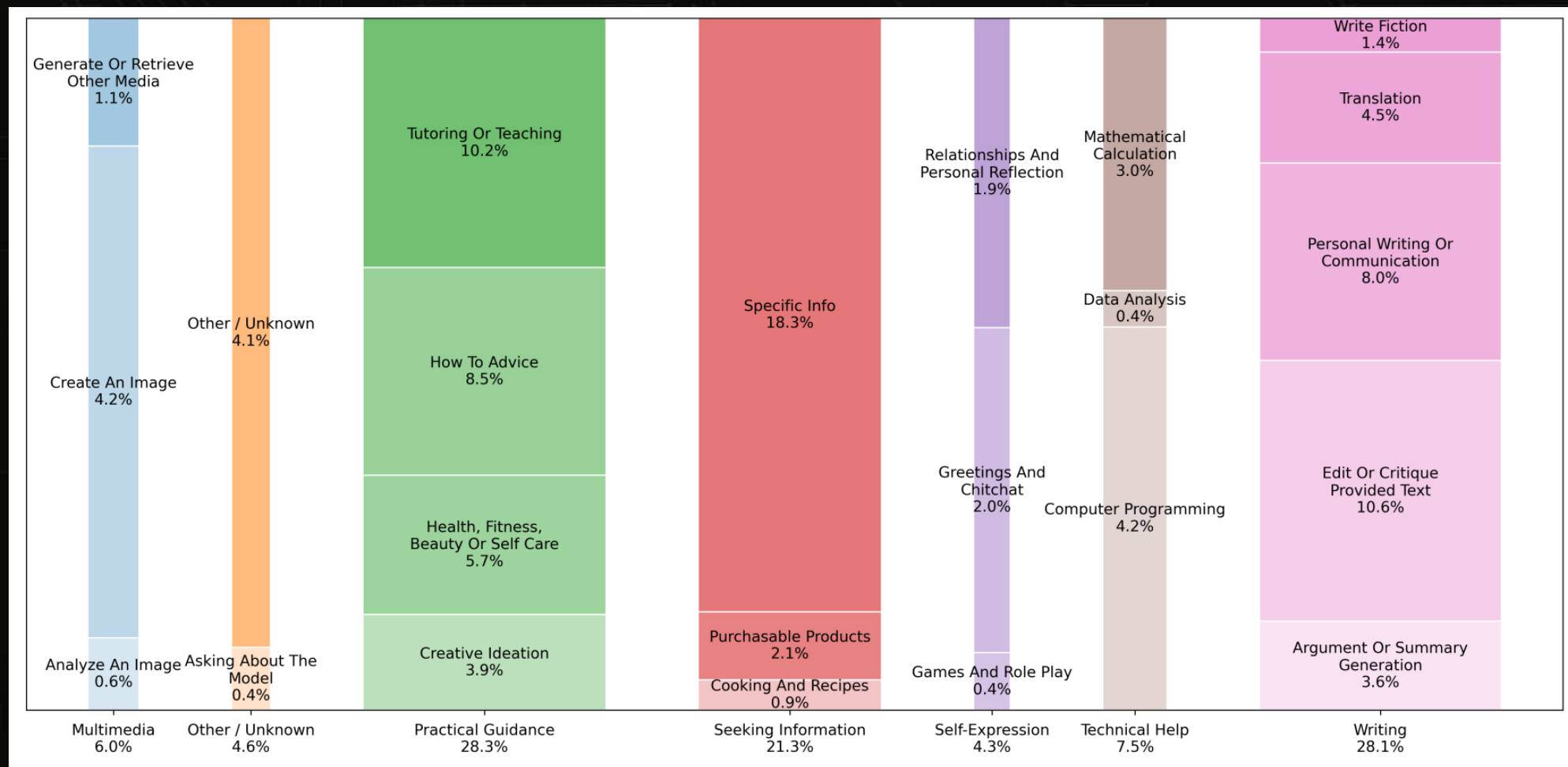
Use Cases



Postman Docs:

**Generate an MCP server
with public APIs from the
Postman API Network**

Use Cases



Use Cases



Google

**Agent2Agent
Protocol (A2A)**

DEMO

GitHub



Playwright



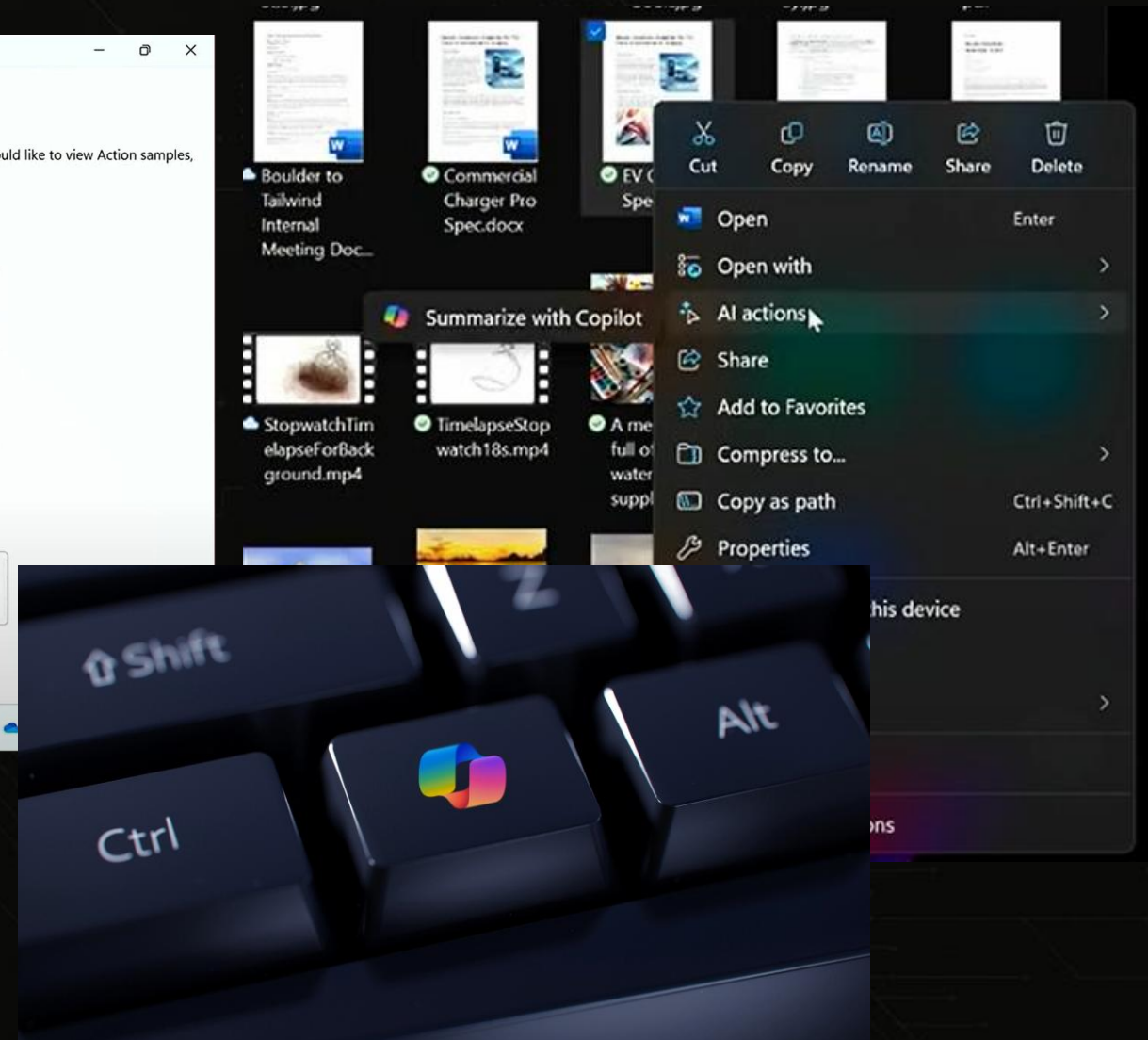
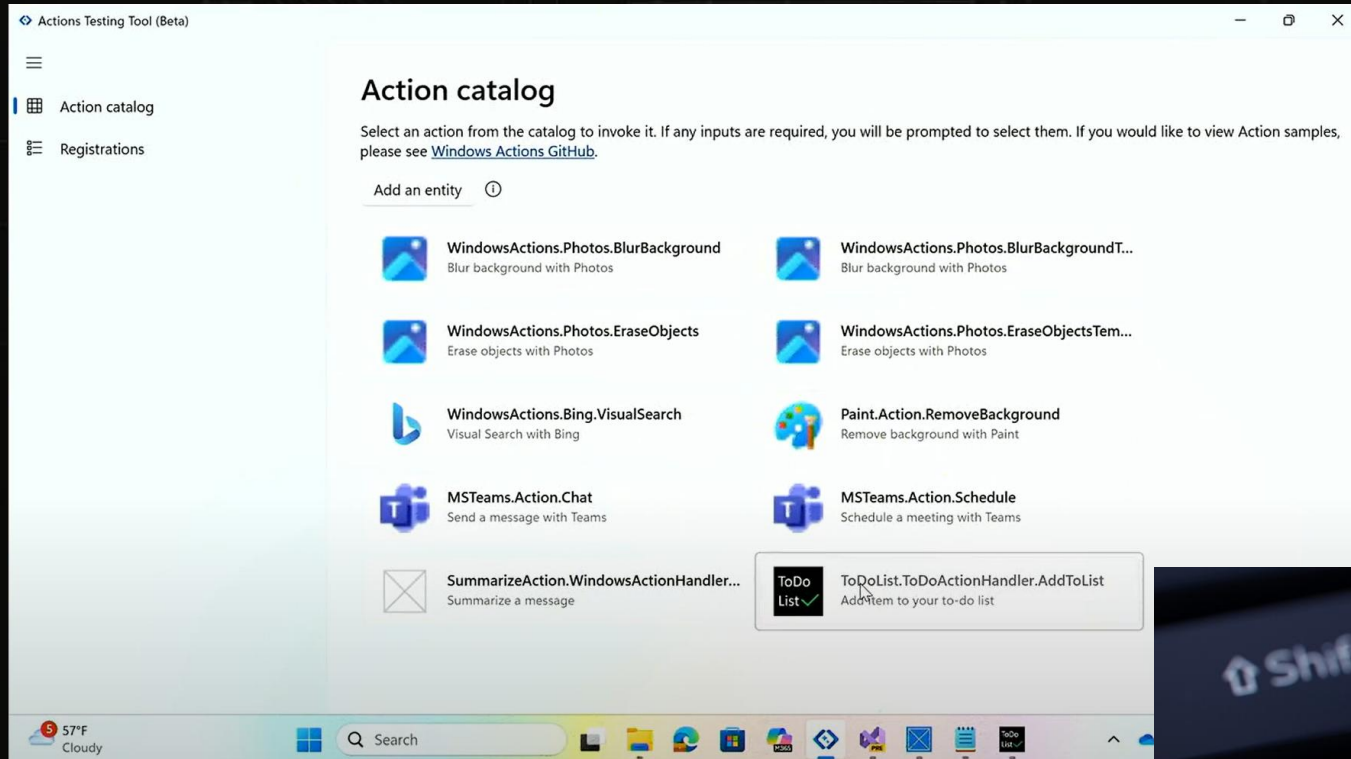
Context7



Instant LLM Context for Agents and Developers

Create your LLM context with code snippets
from latest version of packages

App Actions on Windows



Windows-MCP

System > AI components > MCP Registry for Windows - developer preview

This feature is in developer preview.

MCP clients can discover and use Tools, Prompts, and Resources from these MCP servers



Photos Action

On ☒



Paint Action

On ☒



Microsoft.OneDrive.ActionsServer

Off ☐



Contoso MCP Server

On ☒



Windows File System

On ☒



Windows Snap Layouts

On ☒



Windows Subsystem for Linux

On ☒

Get help

Q&A