

Agents can rent MCP tools with x402

A new integration paradigm



Connect with Bill

A joint event
Boston Azure AI
Global AI Community / Boston Chapter
13-Jun-2026

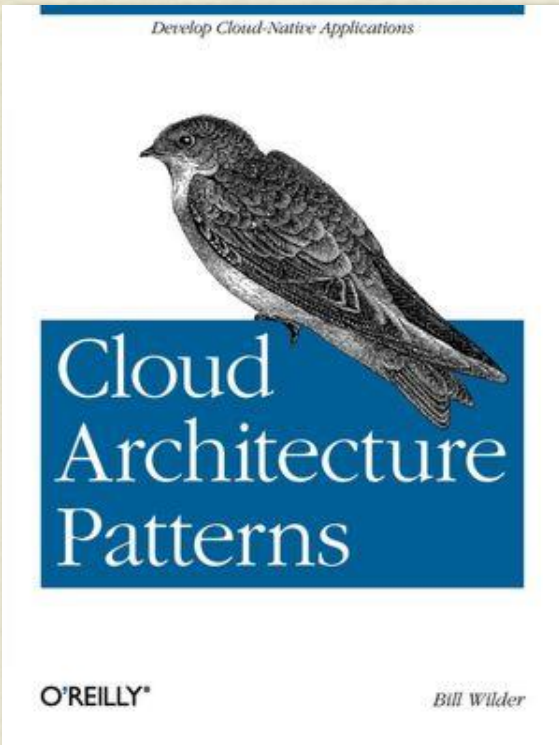
HELLO
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Bill Wilder
AI x Azure x Cybersecurity
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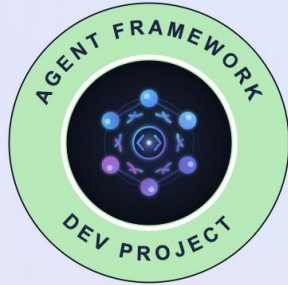
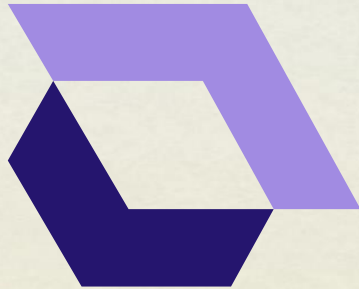
<https://bit.ly/billbook>



author

CTO at Open Admissions

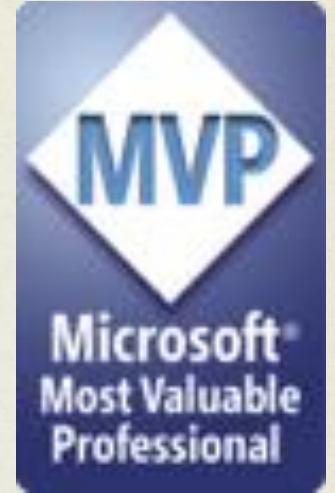
AI x Azure x Cyber



AgentFramework.dev

instructor

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16x recipient (currently AI MVP)

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<https://meetup.com/bostonazureai>
@bostonazureai

~AI Chatbot~ vs. ~AI Agent~

Chatbot

1. LLM powered
2. May have memory
3. Human fully in control
4. Input→Response
5. One-step at a time

Agent

1. LLM powered
2. May have memory
3. Autonomous
4. Input→Goal→Outcome
5. Long-running, multi-step
6. Has agency to use tools

~AI Chatbot~ vs. ~AI Agent~

Chatbot

1. LLM powered
2. May have memory
3. Human fully in control
4. Input→Response
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You call it

Read-only

Agent

1. LLM powered
2. May have memory
3. Autonomous
4. Input→Goal→Outcome
5. Long-running, multi-step
6. Has agency to use tools

It calls you

Can change state

npx @modelcontextprotocol/inspector

The screenshot displays the MCP Inspector v0.22.0 interface in a browser. The address bar shows the URL: localhost:6274/?MCP_PROXY_AUTH_TOKEN=83dd132355e1d9dae5dbfcfc19547daa15763eae192a1c86ce0f767b5a5dae3#tools. The interface is divided into several sections:

- Left Panel (Configuration):**
 - Transport Type:** Streamable HTTP
 - URL:** https://mcp.sandbox.ipfacts.com
 - Connection Type:** Via Proxy
 - Server Entry:** Server Entry (selected), Servers File
 - Authentication:** > Authentication
 - Configuration:** > Configuration
 - Buttons:** Reconnect, Disconnect
 - Status:** Connected
 - Server:** Ipfacts.App, Version: 0.9.0.0
 - Logging Level:** debug
 - System:** System
- Center Panel (Tool Selection):**
 - Clear** button
 - ip_facts_full:** Full enriched facts about an IP address: country code, Tor exit-node status, Azure/AWS cloud attribution, plus all the basic facts. Paid per...
 - ip_facts_basic:** Free, offline basic facts about an IP address: canonical form, public-vs-private, address family, special-range classification. No network...
- Right Panel (Tool Execution):**
 - Input:** ip *
1.1.1.1
 - Tool-specific Metadata:** No metadata pairs. **Add Pair** button
 - Buttons:** Run Tool, Copy Input
 - Tool Result:** **Error**
 - Error Message:** "MCP error -32099: Streamable HTTP error: Error POSTing to endpoint: {"error":{"code":-32001,"message":"Session not found"},"id":"","jsonrpc":"2.0"}"
- Bottom Panel (History and Notifications):**
 - History:** Clear button. List of tool calls (94 to 90) with 'tools/call' labels and right-pointing arrows.
 - Server Notifications:** Clear button. List of notifications (16 to 12) with 'notifications/tools/list_changed' labels and right-pointing arrows. A red error notification is overlaid on the bottom right, containing the same error message as the tool result.

Model Context Protocol - MCP

The great enabler!

- ✓ Robust interoperability standard
- ✓ Wide adoption
- ✓ Still under active evolution

<https://modelcontextprotocol.io/>

- Genesis: Nov 25, 2024
- <https://www.anthropic.com/news/model-context-protocol>

Modernizing Access (web => api => mcp)

Website (old school "surface"):

<https://ipfacts.com>

API (old school "surface"):

<https://api.ipfacts.com>

Agentic Tool via MCP surface:

<https://mcp.ipfacts.com/mcp>

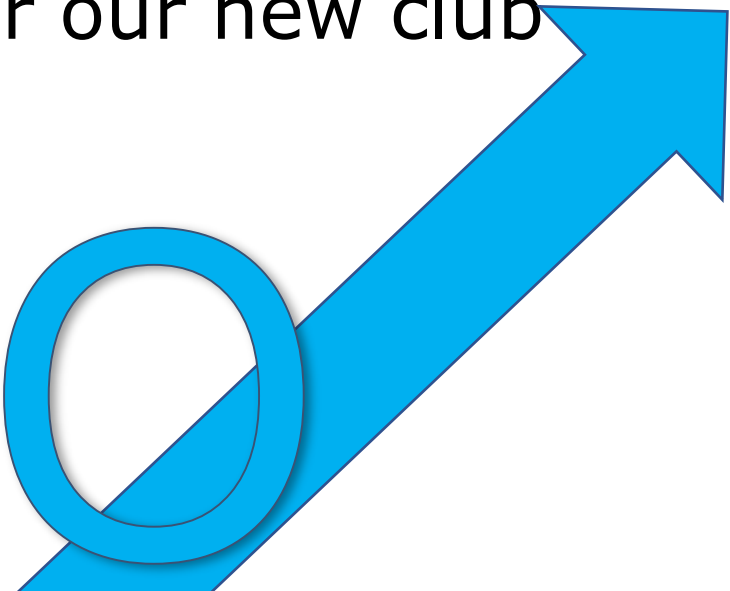
→ Making data **Legible** via the MCP **Surface**

Tools can be helpful



- Let's use ChatGPT to brainstorm name for our new club
- Let's look at <https://ipfacts.com>

DEMO



github.com/CrankingAI/ipfacts-lab

gh repo clone CrankingAI/ipfacts-lab

git clone <https://github.com/CrankingAI/ipfacts-lab.git>

- <https://faucet.circle.com/>
- <https://mcp.sandbox.ipfacts.com/mcp/>

Questions?



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See you at
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bostonazureai.org
[@bostonazureai](https://twitter.com/bostonazureai)
for **VIRTUAL & IN-PERSON EVENTS**





Example Tor Exit Nodes that are also...

Azure IP Addresses

1. 35.0.127.52
2. 23.137.254.244
3. 23.191.200.65
4. 23.191.200.61

AWS IP Addresses

1. 23.191.200.2
2. 23.191.200.109

Note: labs will all run against hosted
<https://mcp.sandbox.ipfacts.com/mcp>
streaming HTTP MCP server

Concepts : from API to MCP

- Tor
- Cryptocurrency like bitcoin, blockchain ledger
- USDC, stable coin
- Testnet, mainnet, sandbox
- Faucet
- Coinbase
- Circle
- 402 (like other 4xx - 401, 403)
- crypto vs fiat
- x402 - api vs mcp - any http
- Deterministic vs non
-
- **TERMINOLOGY**
- Legible data
- Product surfaces

Resources

- **Bill's demo tool for comparing two strings via cosine similarity analysis** (will vectorize each string using Azure AI-hosted text-embedding-3-large model, then use math operations to apply cosine similarity analysis to come up with a similarity score theoretically between -1.0 and 1.0, but practically usually positive numbers).

<https://funwithvectors.com>

- **OpenAI Tool for parsing strings into tokens**

<https://platform.openai.com/tokenizer>

A Brief History of AI

Yeah, I know, this is a REALLY brief history.

github.com/crackingai/abriefhistoryofai

/in/billwilder



@codingoutloud

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