



MICROSOFT 365 & POWER PLATFORM COMMUNITY CALL

Your Agent Fails Silently

Two SharePoint Framework web parts

What your Copilot Studio agent can't read, and what it says on the wire when it calls an MCP server

LIVE DEMO · 24.09.2026

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THE PROBLEM

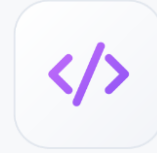
When an agent fails, it usually doesn't tell you



WEB PART 1

Knowledge Source Health

Shows what your Copilot Studio agent can't read in a SharePoint library, before it goes live.



WEB PART 2

MCP Client

Shows what an agent says on the wire when it calls a Model Context Protocol (MCP) server.



Both in the PnP samples gallery

Both run on a normal SharePoint page · both work with zero setup · both open source

Half a library, and no error message



Files over the size limit

200 MB, or 512 MB for PDF, Word and PowerPoint



Sensitivity labels

Confidential content is listed but never answers



Spreadsheets

Cells aren't reliably indexed by semantic search



The 500-object cap

The rest is skipped, and nothing says which items

WHO IT'S FOR



The maker

before an agent goes live



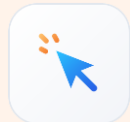
The site owner

whose library is the source



The admin team

handling "can't find X" tickets



How to use it

Add it to a page · turn off demo data · pick a library · Scan · Export CSV. Runs as you, no app registration.

LIVE DEMO

Knowledge Source Health



Demo data first, then this site for real: Policies, then Archive

67%

groundable on the demo data

83%

Policies, label rule not evaluated

612

items in Archive, over the cap

The 2026-07-28 revision changed the wire



BEFORE THE SUMMER

- An initialize handshake
- An Mcp-Session-Id to carry
- State held on the server
- Routing meant parsing the JSON body



NOW: EVERY REQUEST STANDS ALONE

MCP-Protocol-Version: 2026-07-28

Mcp-Method: tools/call

Mcp-Name: execute_sql

Mcp-Param-Region: us-west1

Headers and body must agree, or the server rejects the call with HeaderMismatch (-32020).



Who it's for

Developers building MCP servers for Microsoft 365 agents · architects putting a gateway in front · anyone teaching the protocol

LIVE DEMO

MCP Client



A validating mock server, running inside the browser tab

3 of 4

tools accepted, 1 rejected

4

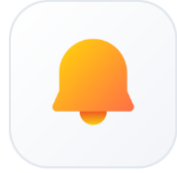
routing headers on every call

2

progress events, then the result

Make the failure visible

1



Agents fail quietly

Build tools that show what the agent can't read, or what it says on the wire.

2



Don't claim what you can't check

"Not evaluated" is an honest answer. A false green isn't.

3



Check the spec, not your memory

The 512 MB tier and the 2026-07-28 revision are what code written from memory gets wrong.



Agents fail quietly.

Make the failure visible.



Knowledge Source Health

adoption.microsoft.com/sample-solution-gallery · [react-knowledge-source-health](#)



MCP Client

adoption.microsoft.com/sample-solution-gallery · [react-mcp-client](#)



Source code

github.com/pnp/sp-dev-fx-webparts · [samples/](#)

Clone · npm install · npm run build · add to a page. Issues and pull requests welcome.

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