



adaptTo()

EUROPE'S LEADING AEM DEVELOPER CONFERENCE
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One AEM MCP Server to Rule Them All

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Speakers



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What we'll cover

- 1 How we got here
- 2 What it is
- 3 How the model uses it
- 4 Why it's safe
- 5 In production, and what's next

From Content MCP to AEM MCP

1

Jan 2026

The 70-tool wall

*Need for a new Content
MCP Architecture*



May 2026

More Open APIs

*simulate capabilities (e.g.
Page Launches) that have no
OpenAPI yet + agentic*



Mar 2026

One server, not many

For all AEM CS (+ AMS)

"Red Pill or blue Pill?" ✨



Aug 2026

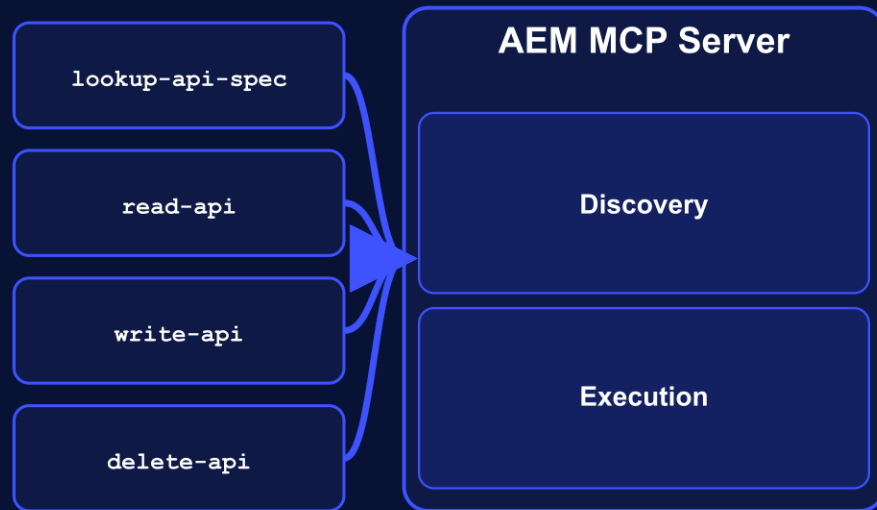
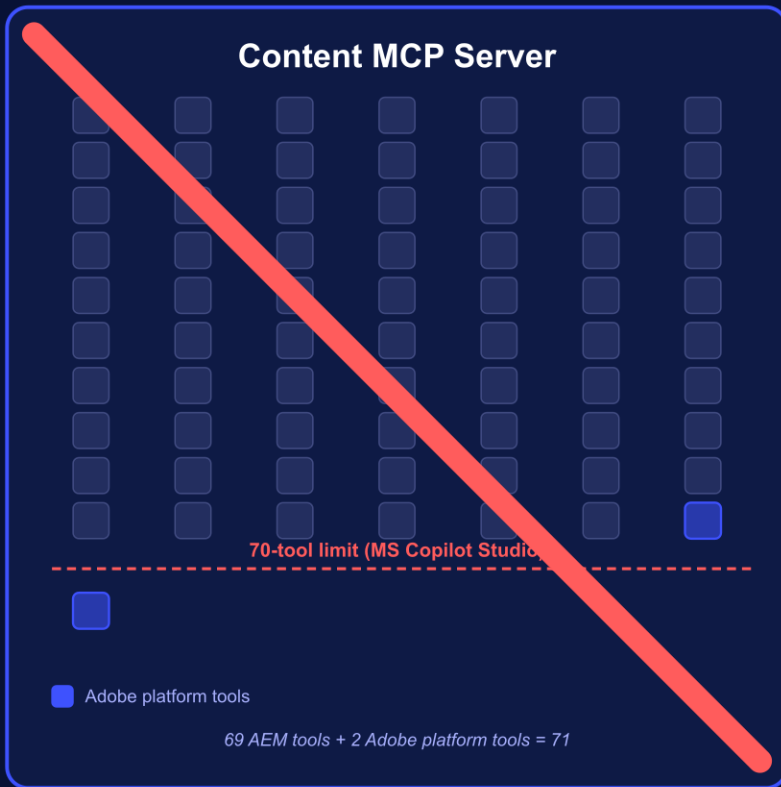
OAuth scopes

*Give Control back to
Sysadmins
stay tuned* ✨

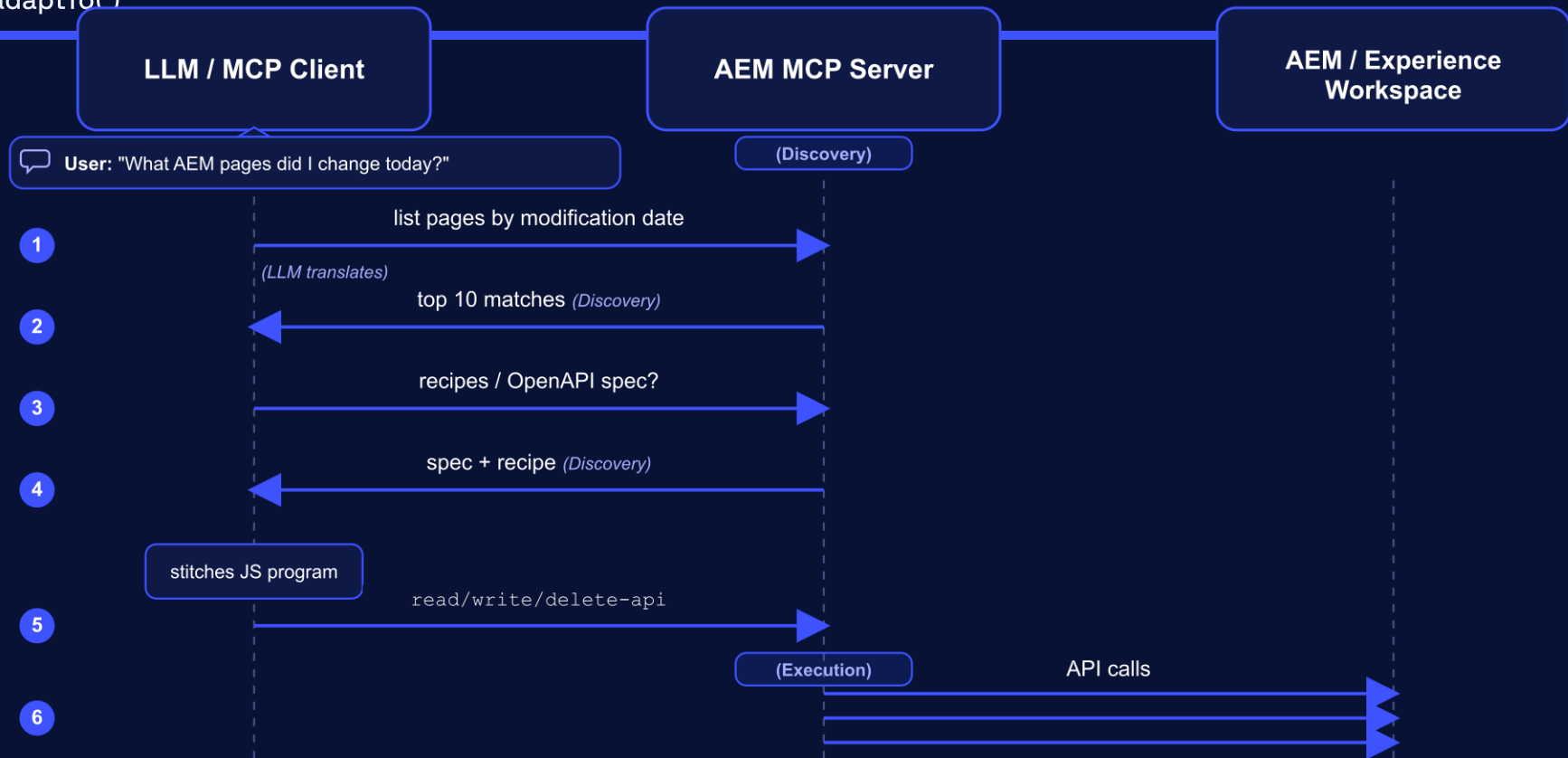


What is the AEM MCP Server?

2



What does the LLM in the MCP client do? 3



The model composes

```
try {  
  const r = await aem.get(  
    '/adobe/experimental/aspm-expires-20251231/sites',  
    { limit: 50 });  
  const matches = (r.body.items || []).  
    .filter(s => s.title === 'AEM Showcase');  
  const out = [];  
  for (const m of matches) {  
    const p = await aem.get(  
      '/adobe/experimental/aspm-expires-20251231/pages',  
      { siteId: m.id, limit: 5 });  
    out.push({ site: m, pages: p.body.items });  
  }  
  return out;  
} catch (e) { return { error: String(e) }; }
```

Demo 1 - Sequence in Action

Feel free to repeat this yourself:

1. Register a 30-day free trial account: <https://aem.now>
2. In your private Claude or ChatGPT account, install the AEM MCP Server:
Claude, the Adobe Experience Manager Connector:
<https://claude.ai/directory/adobe-experience-manager>
ChatGPT, the Adobe Experience Manager Plugin:
<https://chatgpt.com/plugins?search=Adobe+Experience+Manager>
3. Press connect and log in with the user you created

The AEM MCP Server can be used directly:

<https://mcp.adobeaemcloud.com/adobe/mcp/aem>

See also the [AEM MCP User Guide](#) for more information

Would you let LLM-generated code
run on your production AEM?

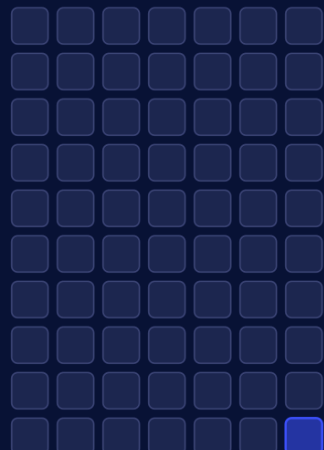
Focus on capabilities rather than tools!

4

~4K → ~600 tokens

71 TOOLS

69 AEM + 2 Adobe = 71



70-tool limit (MS Copilot Studio)



Adobe platform tools

4 CORE TOOLS

lookup-api-spec

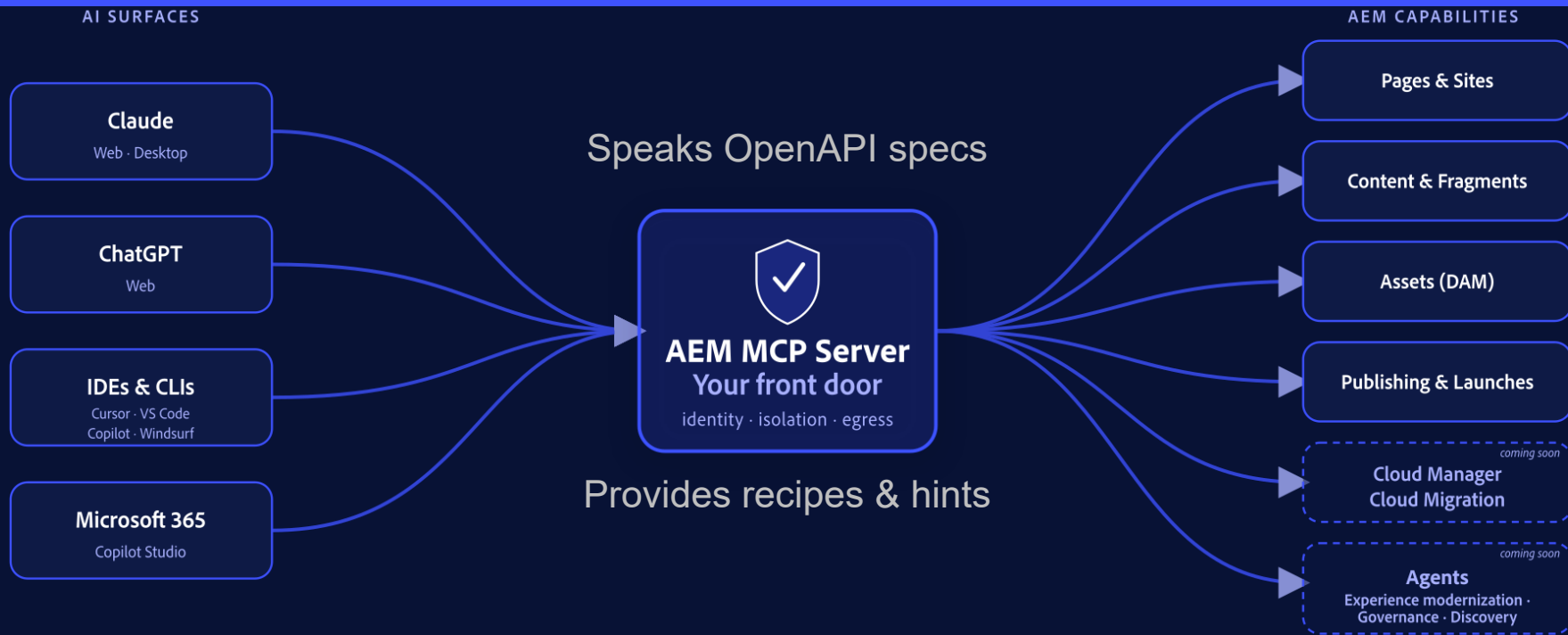
read-api

write-api

delete-api

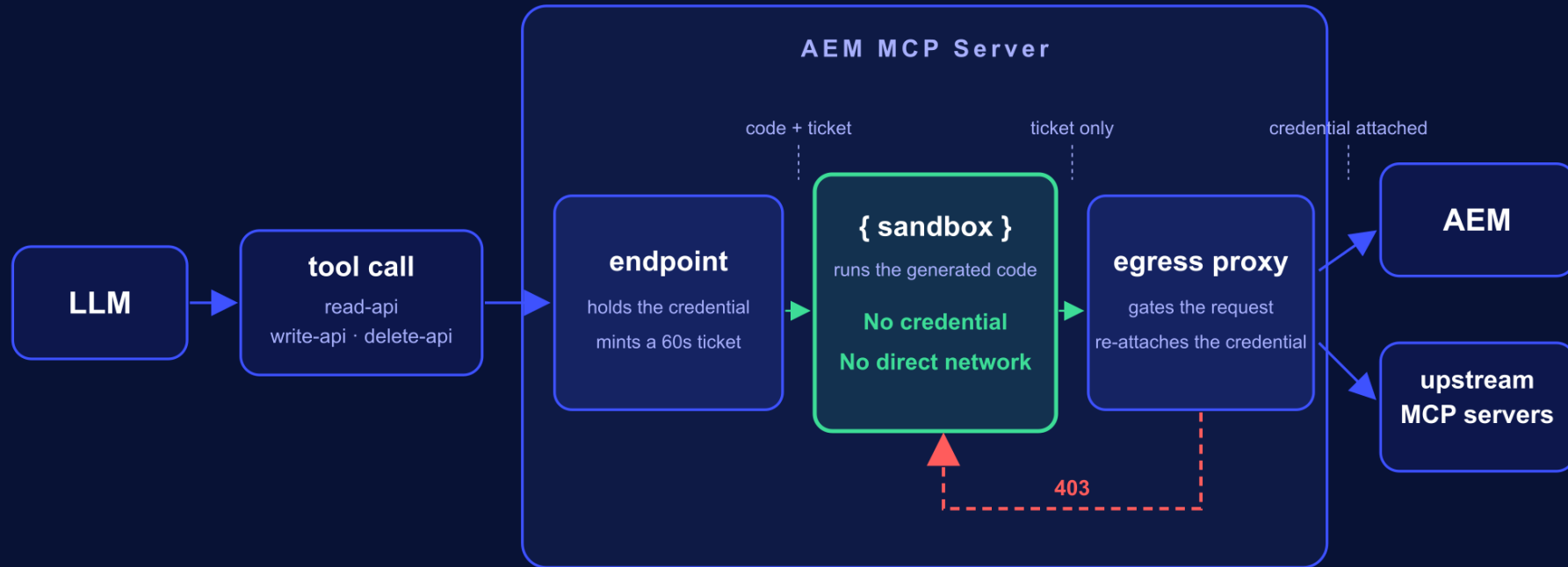
environments (unchanged)

Four tools, all of AEM



Your LLM generates code on the fly - AEM MCP executes it securely!

LLM to AEM



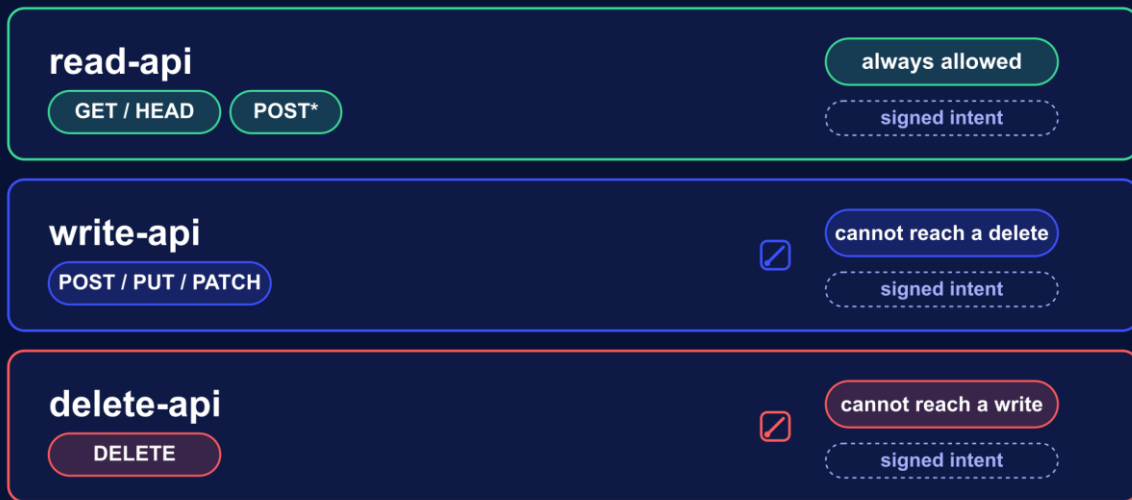
The code runs where the secrets aren't

- The model's code runs in a sandboxed container.
- Credentials sit in another that never runs the code.
- Every outgoing request from the sandbox is gated.
- Egress proxy is the gate-keeper with an allowlist.

**Breaking out of the sandbox gets you
into an empty room.**

Signed intents for requests

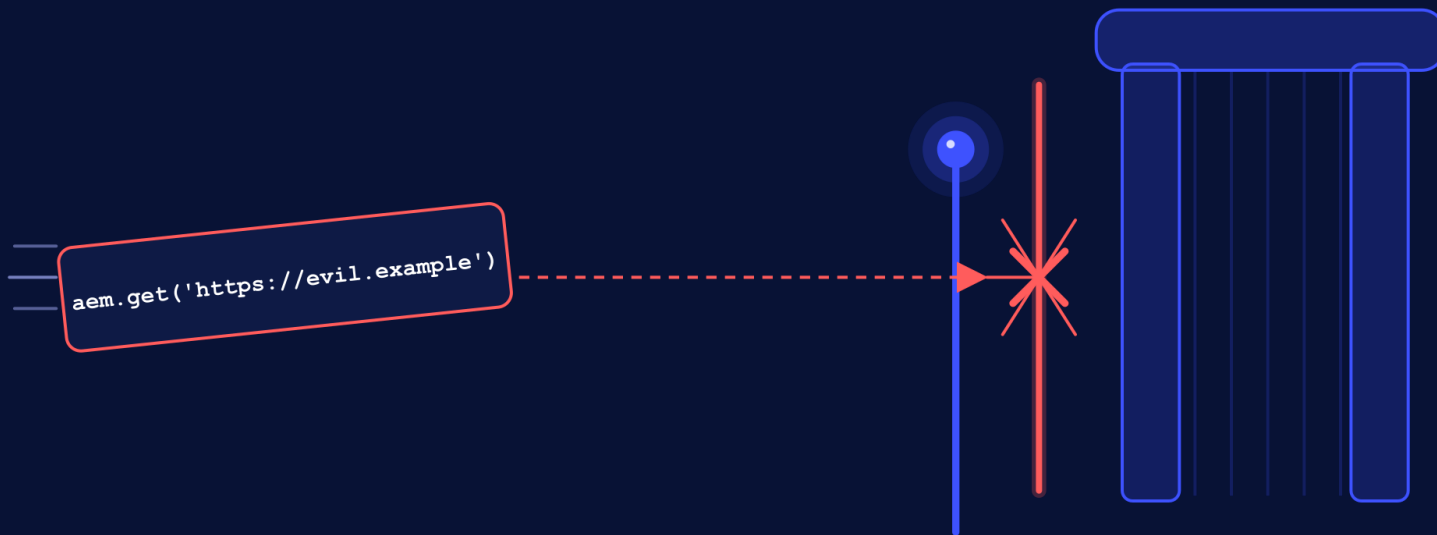
- Every request has a signed intent
- (read, write, or delete).
- AEM MCP server controls the execution.
- A delete cannot be reached through the read/write door.



checked at the egress proxy, not by the LLM

* read-api also accepts POST when the intent is purely read (for example, search endpoints).

Demo 2 - Safety and API-first

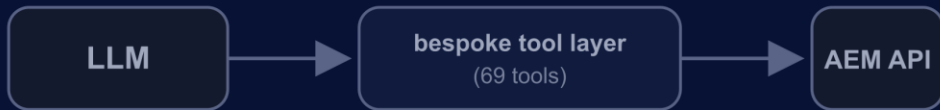


You shall not fetch().

the egress proxy, on a raw fetch attempt

Be in the middle, yet stay out!

Before



every new capability = hand-write another tool

NOW

direct



GA surface

backward compatible

Experimental surface

compatible evolution

No hand-written client to keep in sync.

AEM MCP is API-first.

The LLM talks to the real APIs.

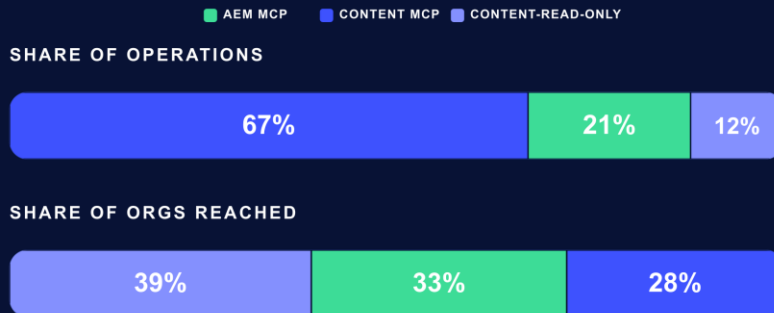
You can skip discovery.

Write a skill using the GA APIs.

Capabilities span across
**GA and experimental
APIs alike.**

In production, and what's next

- Both flavors in production. The two Content servers since January, the AEM MCP Server since late April.
- Content still does most of the work, but the newcomer already turns up in a third of the orgs we see.



External usage only, first-party excluded.
Relative shares, May to Aug 2026. Content MCP + Content-Read-Only live since January;
AEM MCP (code mode) since late April. No absolute volumes shown.

What's next?

Deeper detail in the Appendix (5)



Skills become policies that travel with the token

Research together with AEM Security. Intent verifiable in AEM / Experience Workspace



MCP Capability Cards in the Adobe Developer Console



AEM MCP Governance Controls

self-serve: enable, disable, read-only, read-write,
by environment, IMS org, group, client id

And one more thing:



Anyone interested in Custom MCP Servers behind the AEM MCP Server?

reach out to us!

Three takeaways

- Turn tool-per-job into an information-architecture problem the LLM discovers (don't treat an MCP tool as an API contract)
- Stable OpenAPIs remove tool duplication (future APIs explored for free)
- Guide the model, do not dictate: whisper options, nudge with actionable errors

another way to look at it...

Content MCP hands you your Jedi lightsaber,
whereas AEM MCP hands you your Star Trek holodeck.

Thank you 🖐️

AEM MCP Server: aemcs-mcp-feedback@adobe.com

Content API: aem-apis@adobe.com

Or come find us tomorrow at the Meet the Experts table.

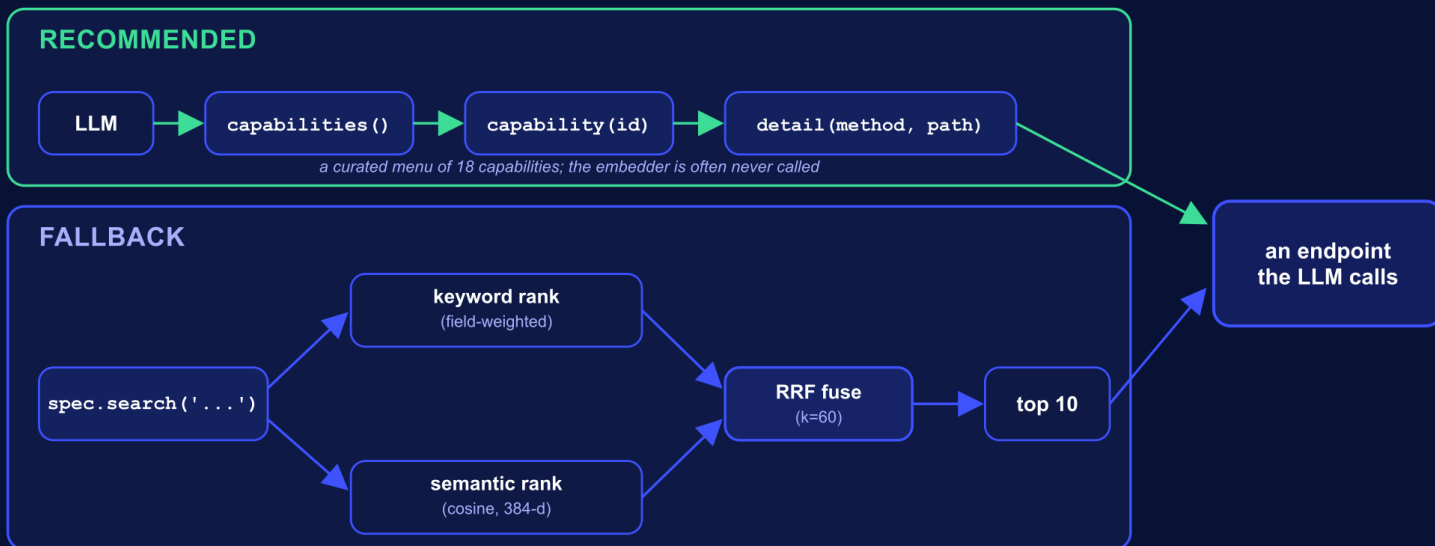
Appendix

- 69 hardcoded tools became 4 generic ones, plus one for environments we never touched. The tool descriptions went from about 4,000 tokens to 600.
- Behind those four: more than 300 endpoints across 22 groups, 79 recipes, 207 hints.
- One edit took a recipe six calls and five minutes. Without the recipe, the model spent forty-five minutes and never finished.

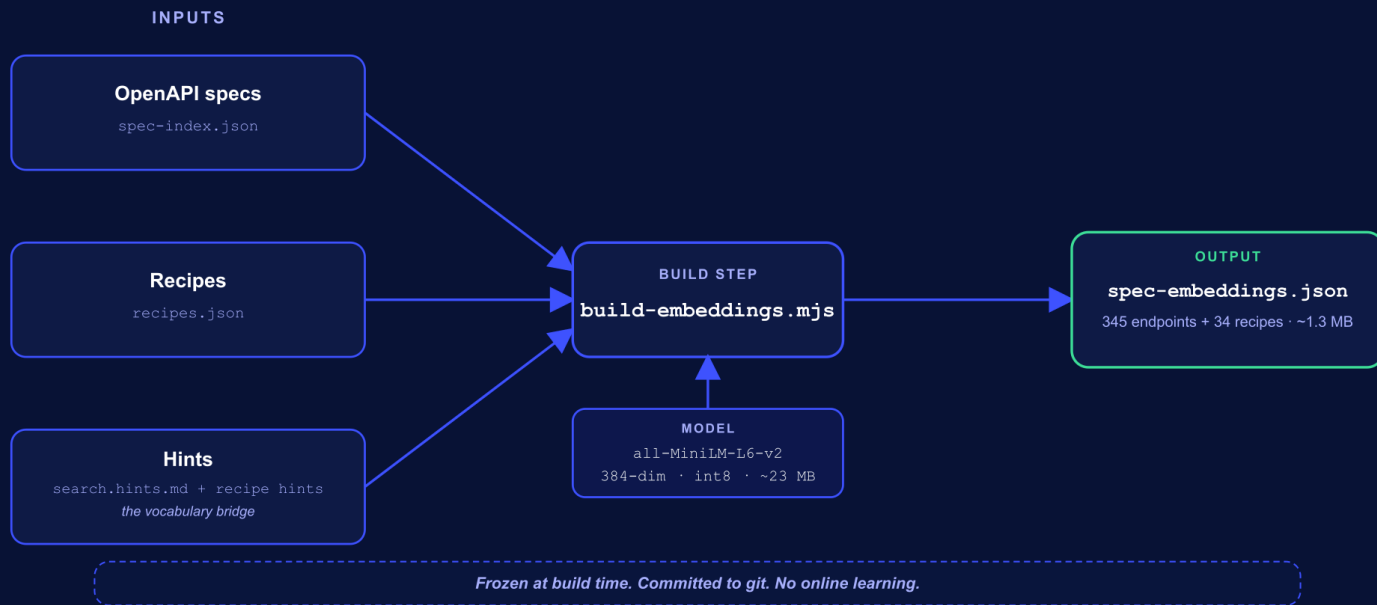
How retrieval works

3

- Browse first. Search only when that comes up empty.



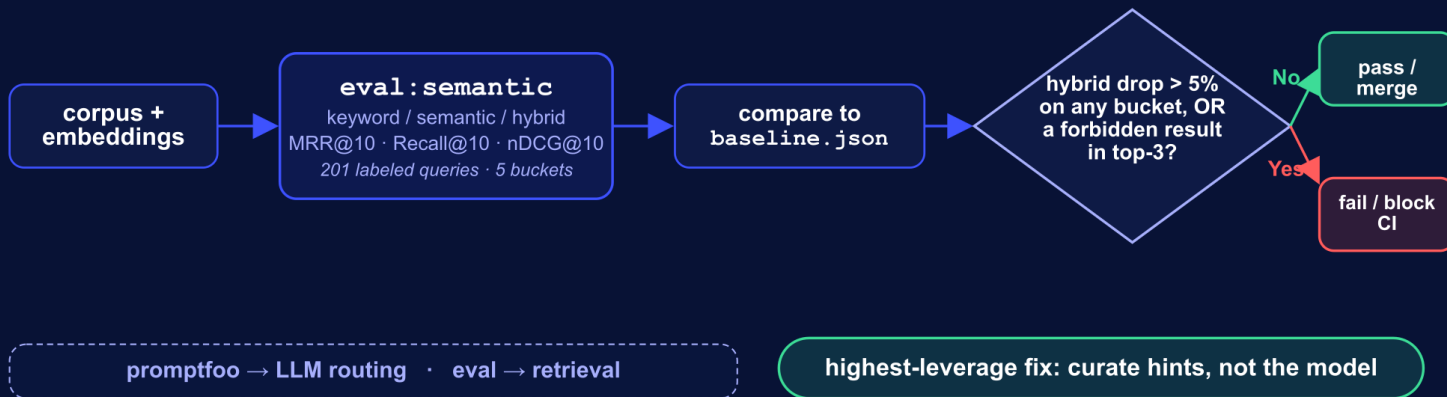
- Specs, recipes, and hints, embedded once at build.



Keeping retrieval honest

3

- Every change gets scored, or the build fails.



- One search call, brokered and credential-free.



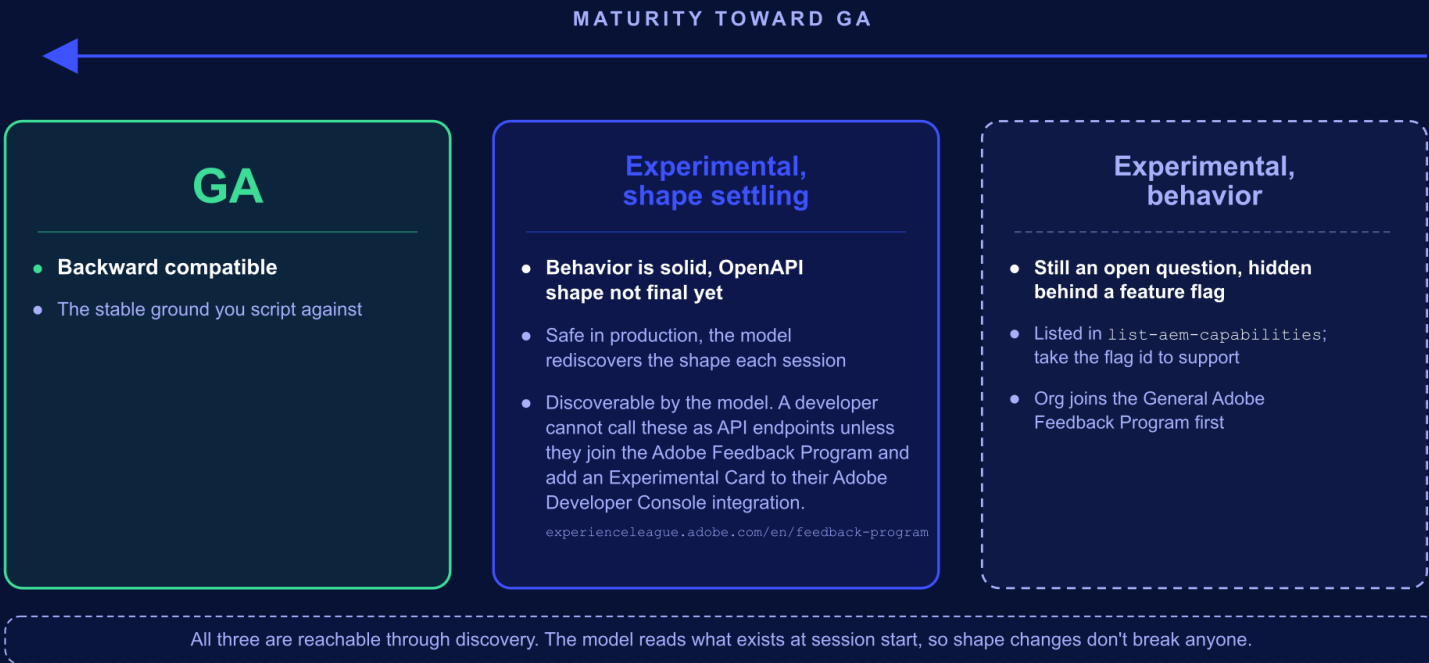
Origins of Code Mode

- Cloudflare kicked it off with Code Mode, September 2025.
blog.cloudflare.com/code-mode/
- Anthropic wrote up code execution with MCP, November 2025.
anthropic.com/engineering/code-execution-with-mcp
- Cloudflare followed with progressive discoverability, February 2026.
blog.cloudflare.com/code-mode-mcp/

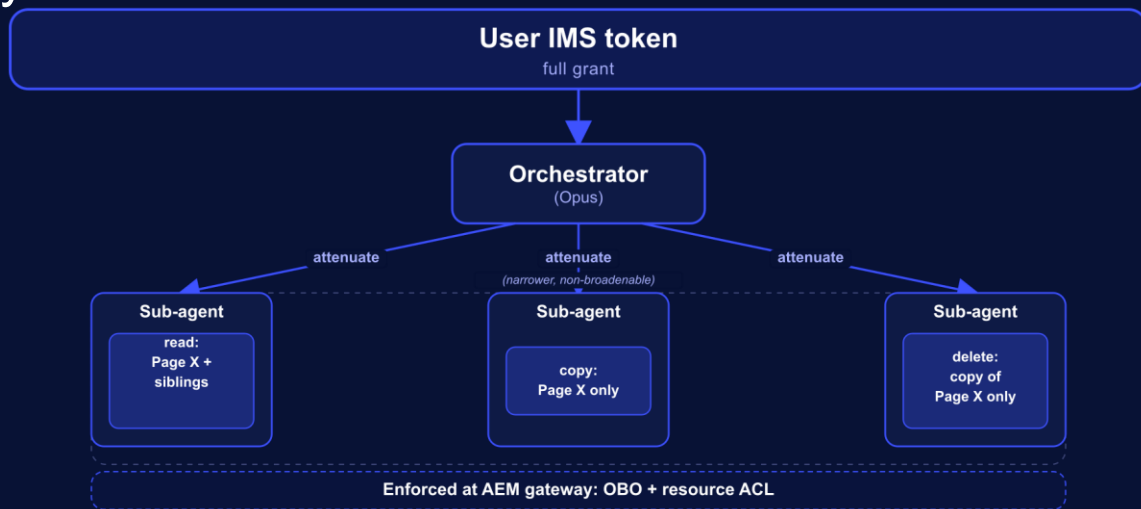
Demo 1 prompts

- AEM MCP what can you do for me?
- list my sites
- find the english better-days page
- check this page against the brand guidelines
- (via the Universal Editor, make the Headline all CAPS)
- Rerun the check on the same page
- actually improve the headline, make it more engaging for a 20 year old audience who currently prefers tea over coffee.
- run the brand guideline check again
- show me the author preview url again

- Experimental is safe here, because the model discovers.



- Today every sub-agent shares one token, so they can all do the same things.
- Next: give each a token that can only ever be smaller, enforced at the gateway.



- Builds on RFC 8707 (audience), RFC 8693 (token exchange), RFC 9396 (rich authorization), and macaroons.
- In flight at MCP: SEP-1028 (delegated authorization), issue #214 (agent-to-agent OBO), issue #1670 (RFC 9396).
- The venue is the MCP Authorization Working Group. Nobody has built the sub-agent attenuation piece yet. That is the point.

MCP Capability Cards in ADC

5

Usable in both integration project types: OAuth Web App and OAuth Server-to-Server

Coming October 2026

Sites read-write read-only	Assets Author read-write read-only	Folders read-write read-only	Brand Governance read-write read-only
Brand Visibility read-write read-only	Cloud Manager read-write read-only	Experience Workspace read-write read-only	Security Governance read-write read-only
Experience Modernization read-write read-only	Guides read-write read-only	Cloud Migration read-write read-only	Forms read-write read-only

If you need more capabilities exposed, please get in touch at aemcs-mcp-feedback@adobe.com

Why AEM MCP Governance Controls?

5

- Customers kept asking: enable only Assets in my org, or read-write only on non-production.
- For a while we proved a configuration by emailing a screenshot of the YAML. That does not scale, and it is not a product.

```
3537 A9DB [redacted]@AdobeOrg:
3538   environments:
3539     - p153303-e1656545
3540     # Content: allowed in [redacted]-PRD, [redacted]-QA, and [redacted] DEV
3541   mcpserver_content_environments:
3542     - p13 [redacted] 4-e1 [redacted] 138 # [redacted]-PRD
3543     - p13 [redacted] 4-e1 [redacted] 216 # [redacted]-QA
3544     - p13 [redacted] 4-e1 [redacted] 136 # [redacted]-DEV
3545     # Cloud Manager: blocked in all [redacted] environments -> disabled org-wide
3546   mcpserver_cloudmanager_enablenents:
3547     - disabled
3548     # Cloud Migration: blocked in all [redacted] environments -> disabled org-wide
3549   mcpserver_cloudmigration_enablenents:
3550     - disabled
3551     # Content Read-Only and Experience Governance: not blocked -> left at default (enabled)
3552 1E247 [redacted] 4@AdobeOrg: {}
3553 2317B [redacted] 1@AdobeOrg: {}
3554 0B96B [redacted] 0@AdobeOrg: {}
```

yes, we really emailed this to prove an org's setup