ZERO TO HERO

Power Pages + Dataverse

What's new in Power Pages · PPCC 2026

From the Power Pages team session + interview with Priyanshu Agrawal and Neeraj Nandwana

- Real-time data updates
- Connectors, private preview
- Enhanced authorization
- Server logs in App Insights
- Security agent and AI skills

Victor Dantas · Zero To Hero Microsoft MVP

Every feature, how to use it, and where it stands.

Ten things the Power Pages team shipped or announced.

From the session "Production-Ready Power Pages: Our Top 10 Secrets for Sites That Scale" (Thu Oct 29, Grand 119). Each feature comes with what it does, how to use it, the code to start with, and where it stands.

01 **Real-time data updates in Power Pages** — Release TBA

02 **Near-instant cache for plug-in and flow changes** — Release TBA

03 **Power Pages connectors** — Private preview

04 **Enhanced authorization** — Preview

05 **Server logs in your own App Insights** — Preview

Meet the team

06 **Site security agent + security skill** — Agent: preview

07 **Power Pages DevTools extension for Edge** — Release TBA

08 **analyze-performance AI skill** — Release TBA

09 **ALM: white paper, lab guide, agent skills** — Published

10 **Admin center: what's landing next** — Coming soon · Jan '27

More from the session, Get started, Links

Preview

Preview / Private preview: available to try now.

Coming soon

Announced with a target date.

Release TBA

Announced, release date to be announced.

Meet the team.

The Microsoft Power Pages team behind "Production-Ready Power Pages: Our Top 10 Secrets for Sites That Scale", PPCC 2026.

Rajeev Ranjan

Principal Software Engineer Manager

DESIGN

Priyanshu Agrawal

Principal Software Engineer

BUILD

Neeraj Nandwana

Principal Product Manager

GO-LIVE

Bipul Deora

Principal Product Manager

OPERATE

Ashish Choudhary

Power Pages team, Microsoft

ENGINEERING

“It is really valuable to have the feedback coming from the community.”

Priyanshu Agrawal, Power Pages team

Thanks also to the team members in Washington, India and around the world who weren't at PPCC.

01 Real-time data updates in Power Pages

Subscribe a page to a Dataverse table once. When a row changes anywhere (on the site, in a flow, or directly in Dataverse), the page is told and refreshes its own data. No reload.

○ Release TBA

Subscribe to a table

```
$pages.data.subscribeToChanges(["contoso_order"], onChange);

// Example handler: re-read the rows this page shows
function onChange() {
  loadOrders(); // your own fetch function
}
```

> **“The coolest feature which is rolling out as we speak is the real-time updates in Power Pages … It works using WebSockets.”**
>
> Priyanshu Agrawal, Power Pages team

1

The page subscribes

To the orders table, when it loads

→

2

A change signal arrives

When an order changes on the site, in a flow, or directly in Dataverse

→

3

The page fetches the data

Itself, with table permissions applied

Why it matters

A change made outside the site could take **up to 15 minutes** to show. The usual shortcut, `skipCache=true`, sends every visitor straight to Dataverse.

How to use it

Call `subscribeToChanges` when the page loads. Pass an **array** of table logical names and your handler, then fetch the rows again inside it, as in the example handler above.

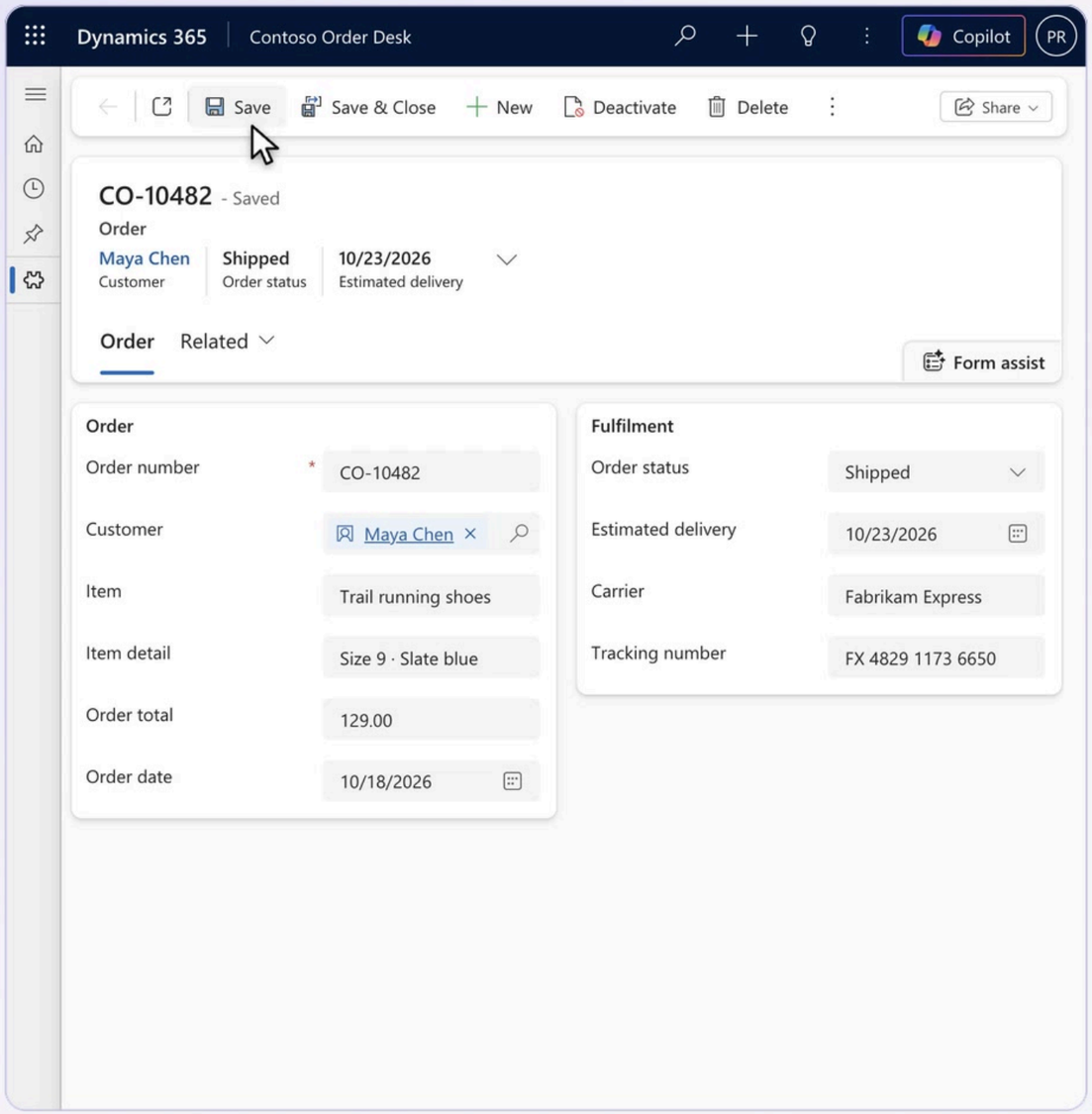
Announced at PPCC 2026 (no public docs yet) **Read the docs (closest page)** `learn.microsoft.com/power-pages/admin/clear-server-side-cache`

Source: **Power Pages team session, PPCC 2026**

Save in Dynamics 365. The customer sees it live.

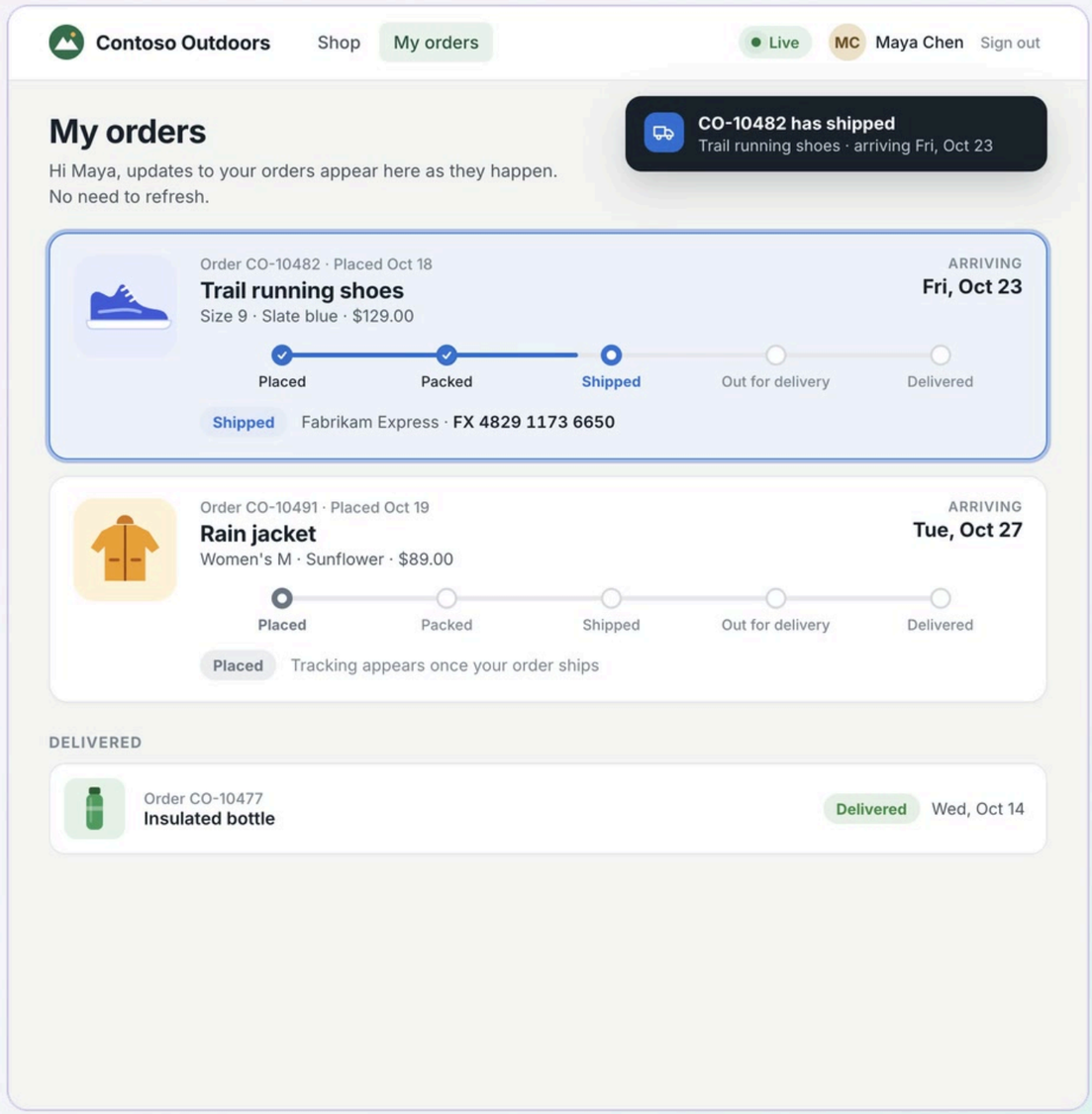
BACK OFFICE

A warehouse agent, in Dynamics 365



CUSTOMER

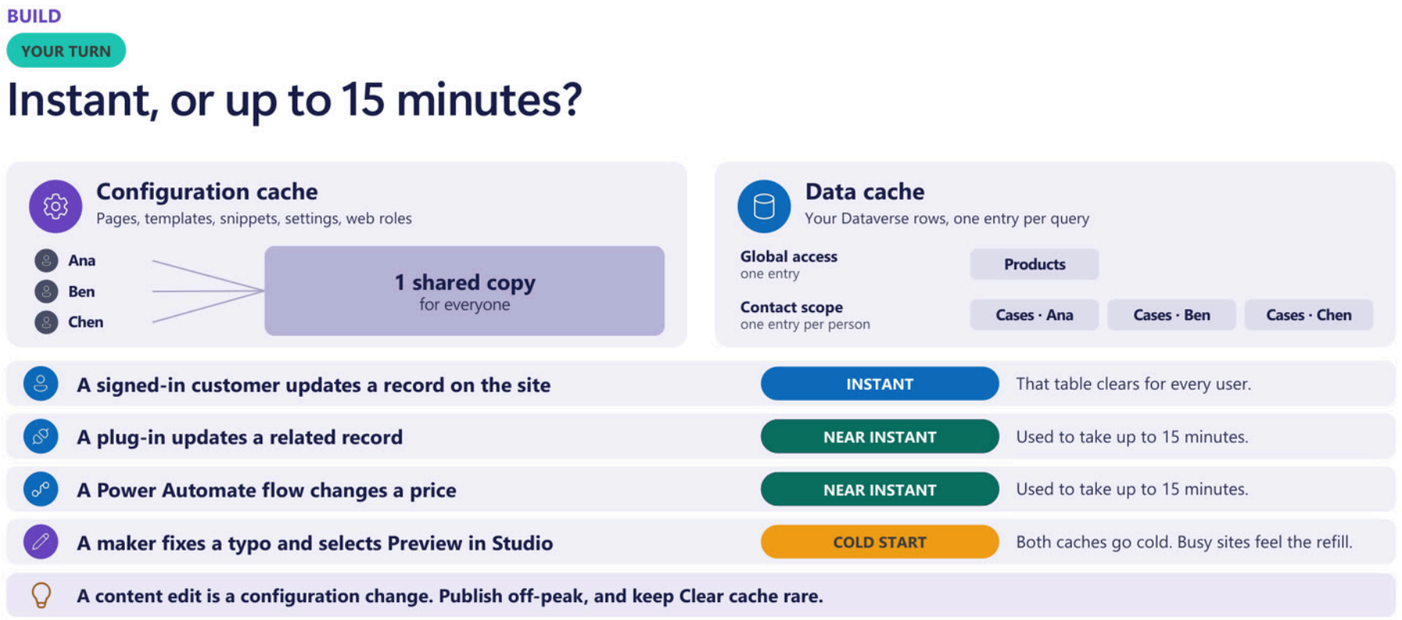
Maya, on the Contoso Outdoors site



Demo: the warehouse agent sets order CO-10482 to Shipped and saves. Maya's "My orders" page shows "CO-10482 has shipped" and the tracker moves, with no refresh.

02 Near-instant cache for plug-in and flow changes

Release TBA



From the session: how fast each kind of change now reaches the site.

What changed

- A **plug-in** updating a related record: **near instant**. It used to take up to 15 minutes.
- A **Power Automate flow** changing a price: **near instant**. Same as above.
- A signed-in customer's own update clears that table **instantly** for everyone.
- ⚠ Preview in Studio is a **cold start**. Publish off-peak.

How to use it

Leave caching on. Use `skipCache=true` in Server Logic only when data changes outside Power Pages and the page must show the latest. Turn on the CDN and the header + footer output cache.

Read the docs `learn.microsoft.com/power-pages/admin/clear-server-side-cache` still documents the 15-minute SLA

Read the docs `learn.microsoft.com/power-pages/configure/enable-header-footer-output-caching`

03 Power Pages connectors

"Connect to your data, wherever it lives." Server Logic reads and writes SharePoint, SQL Server and other connector data live. Nothing is copied, nothing is synced.

- **Private preview**

Four steps to connect a data source

- **Enable connector integration** in the Power Platform admin center. Admins decide which sites can use connectors.
- **Create a connection** in Power Pages, Connections. It stores the sign-in, not your site code.
- **Add it to the site** in Set up, Connections. Web roles control who can call it.
- **Call it from Server Logic** with the connection reference and an operation.

fabrikam-products.serverlogic.js

```
const CONFIG = {
  connectionReferenceId: "c79bef77-bece-f111-a05b-000d3a58d9cb",
  siteUrl: "https://powerportalruntime.sharepoint.com/sites/FabrikamPartnerHub3",
  productsList: "Products"
};
const connector = Server.Connector.PowerPlatformConnector;
// Read items from the SharePoint list
const items = await connector.GetAsync(
  CONFIG.connectionReferenceId,
  itemsPath(CONFIG.productsList),
  JSON.stringify(query)
);
```

Join the private preview

aka.ms/power-pages-connectors. Invites go out selectively, by use case.

The rule

No API keys, connection strings or tokens in client-side JavaScript. Secrets live in Server Logic.

Register for the private preview `aka.ms/power-pages-connectors` **Announced at PPCC 2026 (no public docs yet)**

Read the docs (closest page) `learn.microsoft.com/power-pages/configure/server-logic-overview`

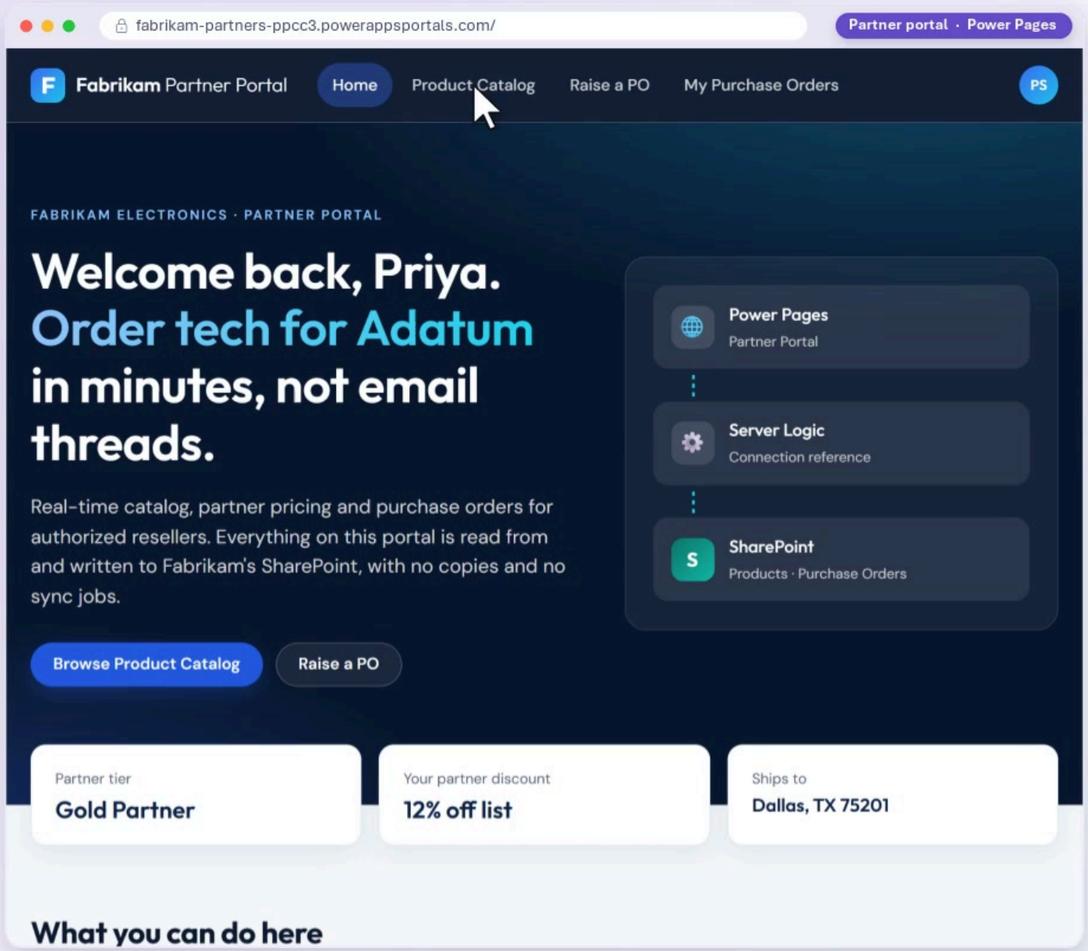
Source: **Power Pages team session, PPCC 2026**

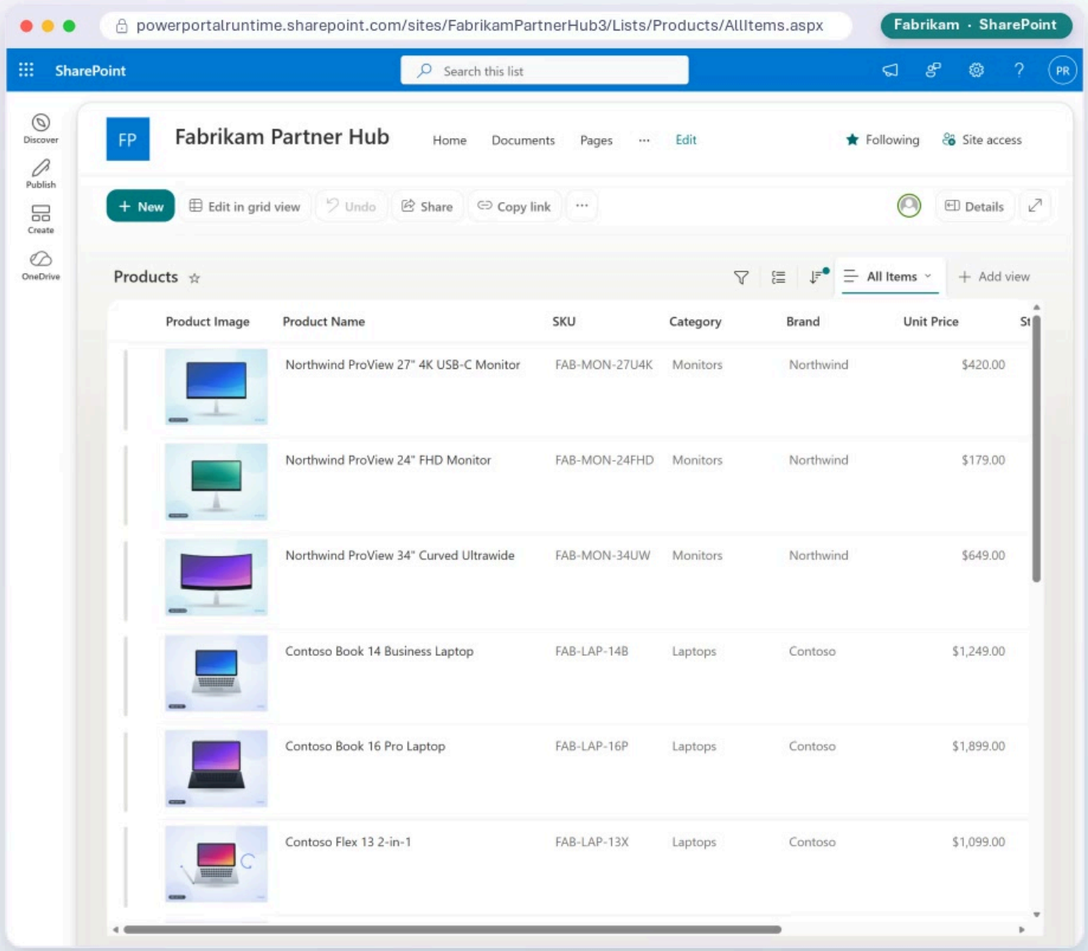
A partner portal, live from SharePoint.

READ · GET

Browse the catalog, live from SharePoint

Read · Create · Update · Set up · PRIVATE PREVIEW





Demo: the Fabrikam partner portal browses a catalog live from SharePoint, raises a purchase order (POST) and changes it in place (PATCH). Path: Power Pages, Server Logic, Connection, SharePoint.

04 Enhanced authorization

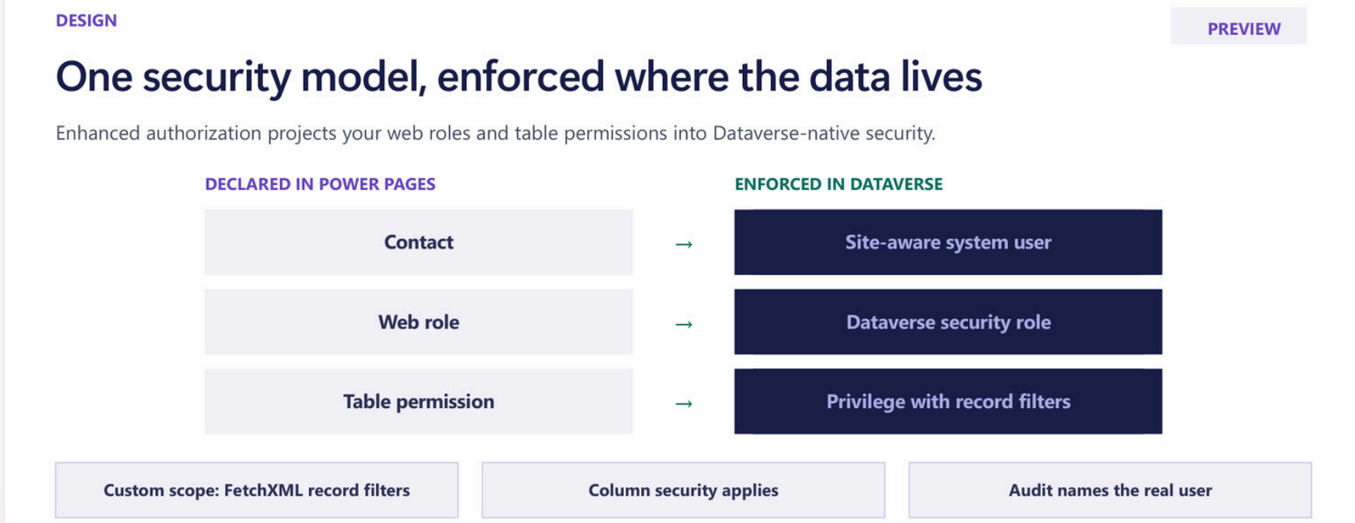
"One security model, enforced where the data lives." Your web roles and table permissions are projected into Dataverse-native security.

- **Preview**

Declared in Power Pages	Enforced in Dataverse
Contact	Site-aware system user
Web role	Dataverse security role
Table permission	Privilege with record filters

What you get

- Custom scope with FetchXML record filters. Safer than Global.
- Column security applies.
- Audit names the real user.



Keep Global for public or reference data only, and pick the Enhanced data model.

Read the docs `learn.microsoft.com/power-pages/security/unify-pages-security-with-dataverse`

Source: **Power Pages team session, PPCC 2026**

05 Server logs in your own App Insights

"See beyond the page." Your site's server telemetry goes to your own Azure Application Insights, and you choose what to send.

- **Preview**

1

You pick

Requests, errors, Dataverse calls, sign-ins, `{% log %}` messages

→

2

Your App Insights

One connection string. Query strings are redacted before anything leaves.

→

3

Plug into what you run

Azure Monitor alerts, Workbooks, Sentinel, Power Automate, Power BI, Event Hubs to Splunk

The two site settings in the demo

Name ↑	Value	Website
AppInsights/ConnectionString	InstrumentationKey=dec…	Community Portal - community
AppInsights/EnabledTelemetryTypes	All	Community Portal - community

```
AppInsights/ConnectionString      = InstrumentationKey=…
AppInsights/EnabledTelemetryTypes = All
```

Demo: a slow AI case summary request is traced by its Portal correlation ID to its slowest dependency call. Before this, no single signal followed a request from click to Dataverse and back.

See the release plan `learn.microsoft.com/power-platform/release-plan/2026wave1/power-pages/configure-site-analytics-server-logging`

No how-to page yet

Source: Power Pages team session, PPCC 2026

06 Site security agent + security skill

"Power Pages security: built in, wherever you build." An AI security agent in Power Pages Studio, and a security skill in the Power Pages plugin for your coding agent.

- **Security agent: preview**
- **Skill: release TBA**

In Power Pages Studio

- Prompts for site security, data security, setup authentication and security settings.
- Ask "Do a comprehensive security review of my site". It checks the scan, visibility, anonymous access, web roles, table permissions, Web API and firewall rules.
- Findings come with follow-ups such as "Tighten anonymous table access".

GitHub Copilot CLI + Power Pages plugin

```
/power-pages:security-review Release readiness
```

Other plugin skills on screen

`/power-pages:scan-code` `/power-pages:scan-site` `/power-pages:setup-auth` `/power-pages:setup-datamodel` `/power-pages:setup-pipeline`

The go-live order

1 Run the Site Checker

2 Deep security scan, with authenticated pages

3 Review with the security agent

4 Load test, then size capacity

5 Enable WAF, add custom rules

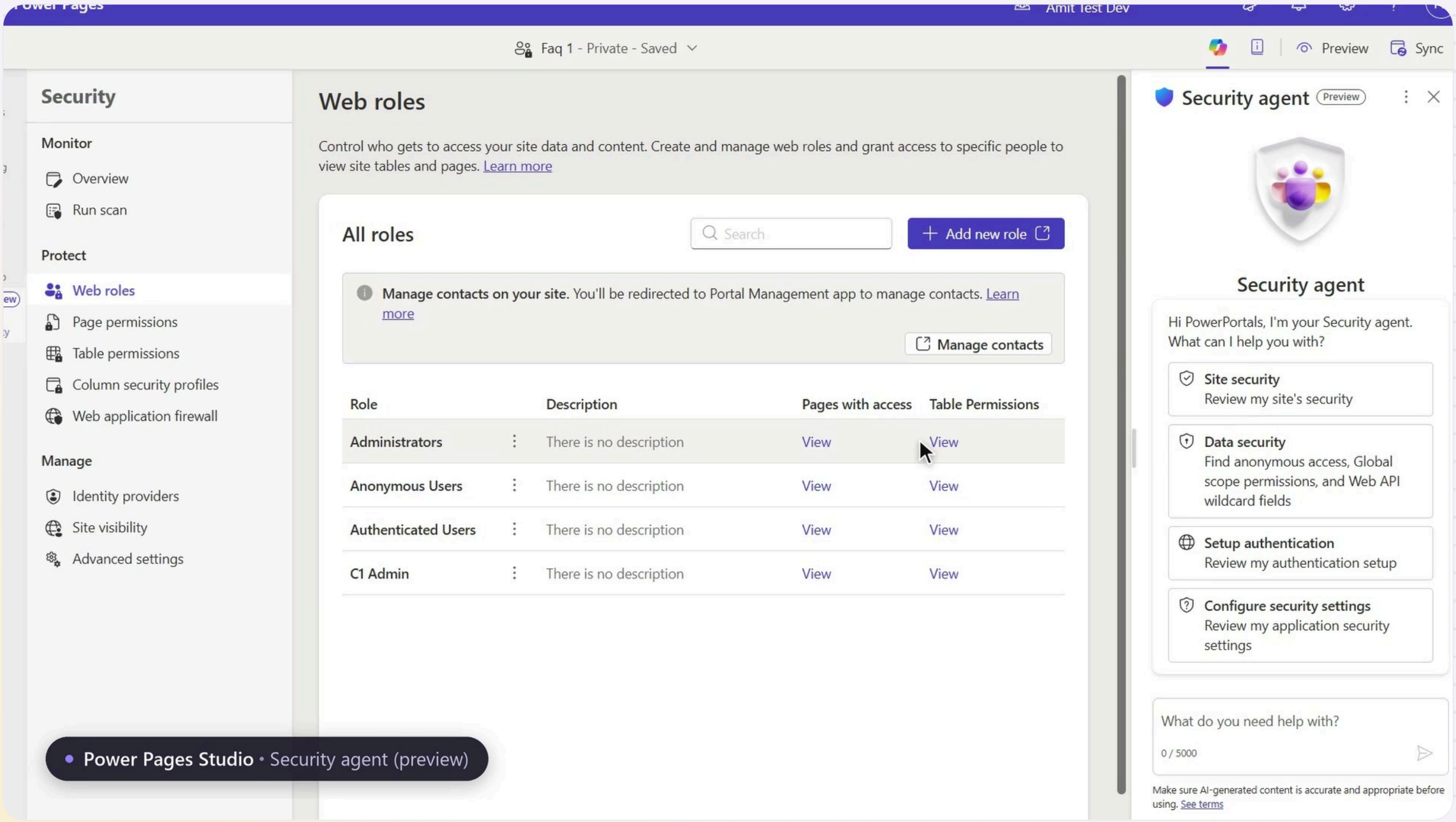
6 Production + custom domain

Read the docs `learn.microsoft.com/power-pages/security/security-agent`

Get the AI skill `github.com/microsoft/power-platform-skills/…/security-review`

Source: **Power Pages team session, PPCC 2026**

The security agent, inside the Security workspace.

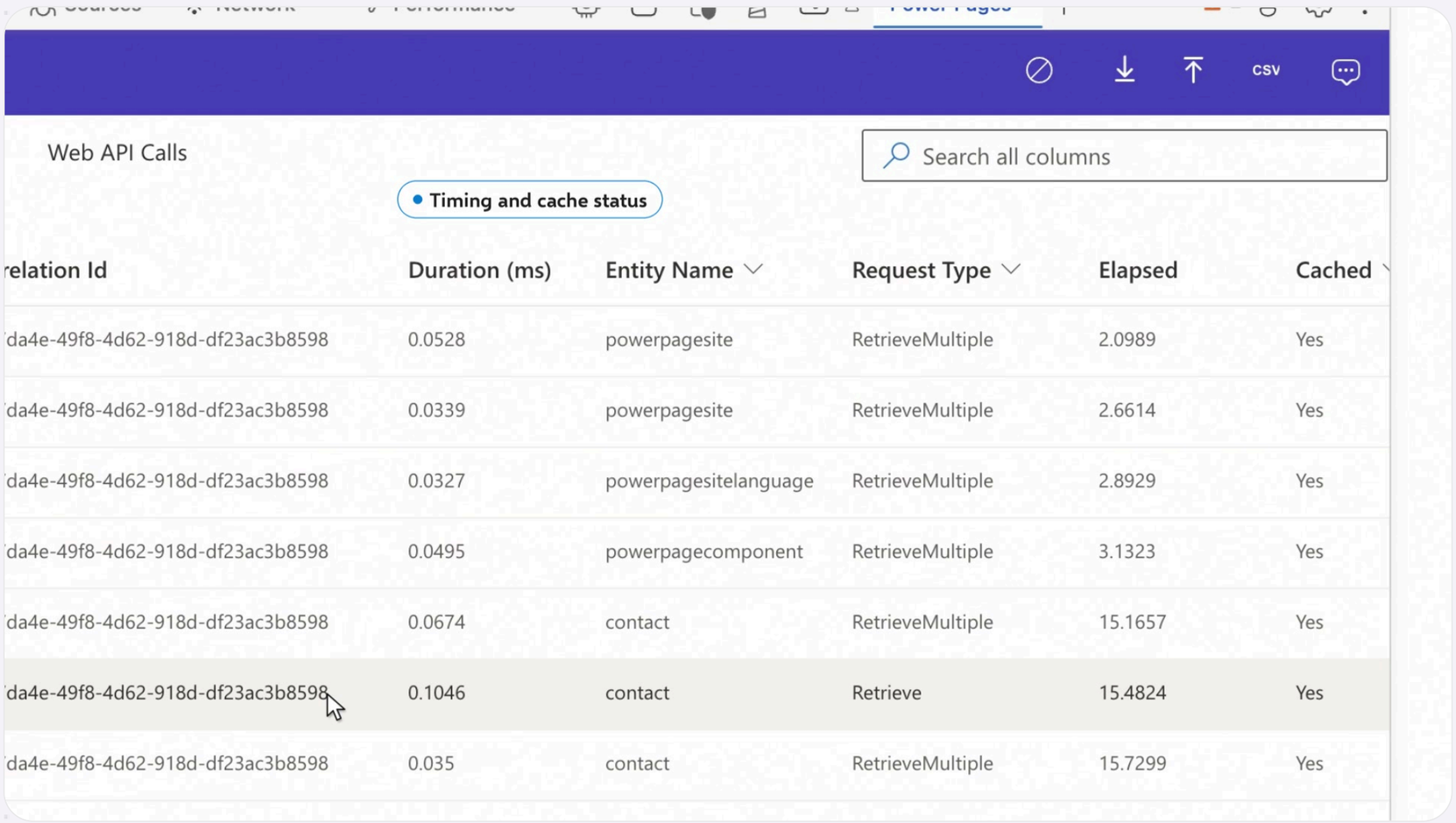


Demo: "Power Pages Studio, Security agent (preview)", open next to Web roles.

07 Power Pages DevTools extension for Edge

A Power Pages tab inside Microsoft Edge DevTools that shows what your site does on the server while you build.

- Release TBA



Three tabs: Website Traces (server and Liquid messages, with a suggested fix and a link to the docs), Dataverse API Calls (duration, entity, request type, cached yes or no) and Web API Calls. "Get it from Microsoft Edge Add-ons."

Install the extension microsoftedge.microsoft.com/addons/detail/microsoft-power-pages/hdgeefdihjpnplbnipnpdpegbflmffpc

Read the docs learn.microsoft.com/power-pages/configure/devtools-addon

Source: **Power Pages team session, PPCC 2026**

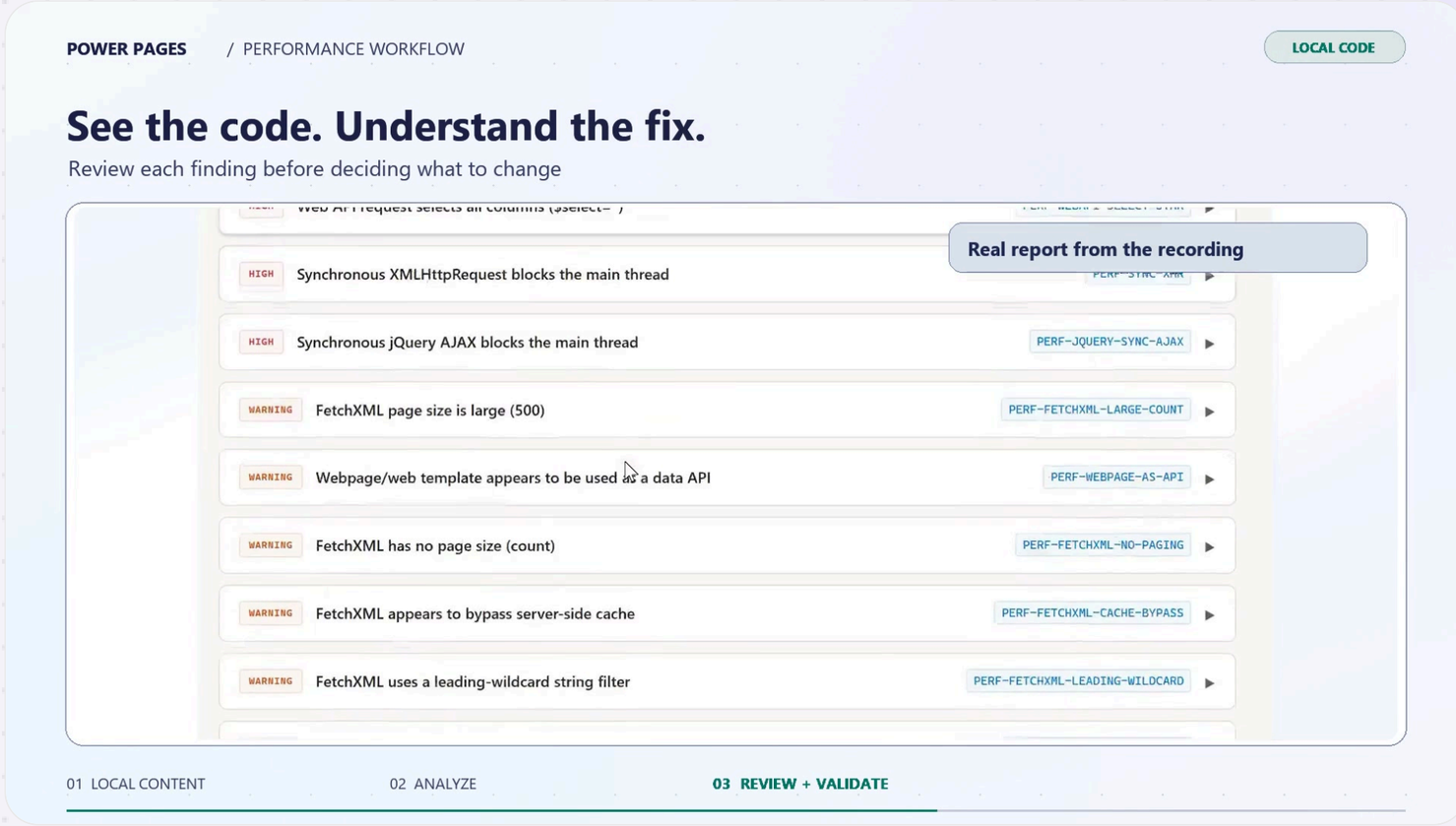
08 The analyze-performance AI skill

Point the skill at your site's code and get anti-patterns back, each with its context and a fix.

○ Release TBA

```
/power-pages:analyze-performance
```

- Download the site with PAC CLI (HTML, Liquid, JS, CSS), then run the skill on that folder.
- Findings read Pattern, Context, Mitigation, with rule IDs such as `PERF-FETCHXML-IN-LOOP`.
- "No site code will change without your approval."



Demo: the report, with findings ranked high and warning.

Get the AI skill `github.com/microsoft/power-platform-skills/…/analyze-performance`

Read the docs `learn.microsoft.com/power-pages/configure/create-code-site-using-claude-code`

Source: **Power Pages team session, PPCC 2026**

09 ALM: ship it like software

One package, Dev to Test to Prod. "Build in Dev. Prove it in Test. Prod only receives what you tested."

- White paper published

D

Dev: build

Unmanaged, in source control. Add new pages, roles and settings to the solution yourself.

→

T

Test: prove

Managed solution, test values at import. Re-run Site Checker, security scan and load test.

→

P

Prod: run

Managed solution, prod values at import. No hand edits.

1 Plan

`/plan-alm`

2 Package

`/setup-solution`

3 Parameterize

Environment variables

4 Promote

Pipelines

Lab guide and white paper

aka.ms/PowerPagesALM, official, on Microsoft Learn.

Works in Dev, breaks in Test?

Run the metadata compare tool in VS Code to see missing components and settings that differ.

"Right now it covers the GitHub repo. We will be soon adding Azure DevOps."

Neeraj Nandwana, Power Pages team

Download the white paper `aka.ms/PowerPagesALM`

Read the docs `learn.microsoft.com/power-pages/guidance/white-papers/application-lifecycle-management`

Source: **Power Pages team session, PPCC 2026**

10 Admin center: what's landing next

"Same monthly check, more signals: these land in the same admin center you already use."

● Coming soon · Jan '27

● Jan' 27

Monitor hub

One place to watch site health: error rate, sessions, session length, load time.

● Jan' 27

Usage experience

Replaces usage analytics. Signed-in and anonymous users.

● Jan' 27

Inventory

Every site next to your apps and flows, in the admin center, API and CLI.

Make it a monthly habit today

Page	What it tells you	Path
Recommendations	What to fix next. Type "site" to filter to Power Pages.	PPAC › Actions › Recommendations
Security	How exposed each site is, then run a deep scan from the same page	PPAC › Security › Power Pages
Licensing	Signed-in and anonymous capacity, bought vs. assigned	PPAC › Licensing › Power Pages
Copilot hub	Which sites have Copilot on, and how many makers use it	PPAC › Copilot › Power Pages

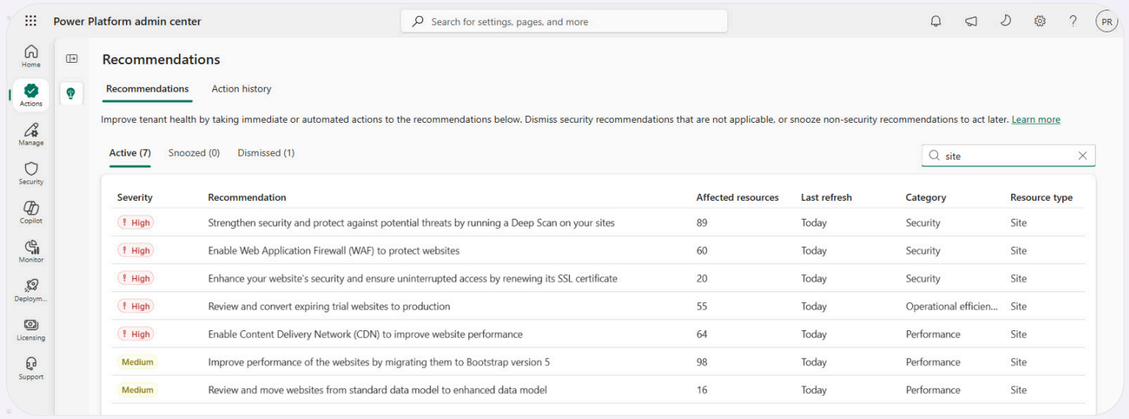
Announced at PPCC 2026 (no public docs yet)

Read the docs (today) learn.microsoft.com/power-pages/admin/admin-center-analytics

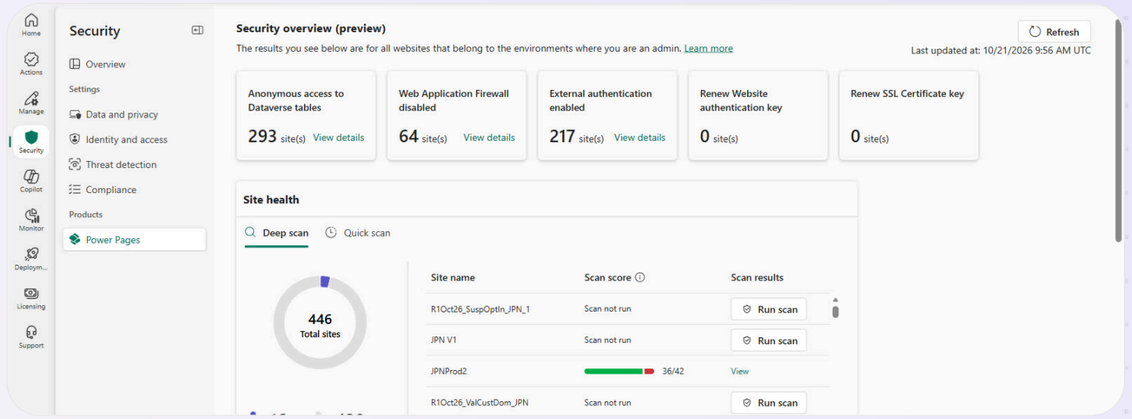
Read the docs learn.microsoft.com/power-pages/admin/admin-center-security

Source: Power Pages team session, PPCC 2026

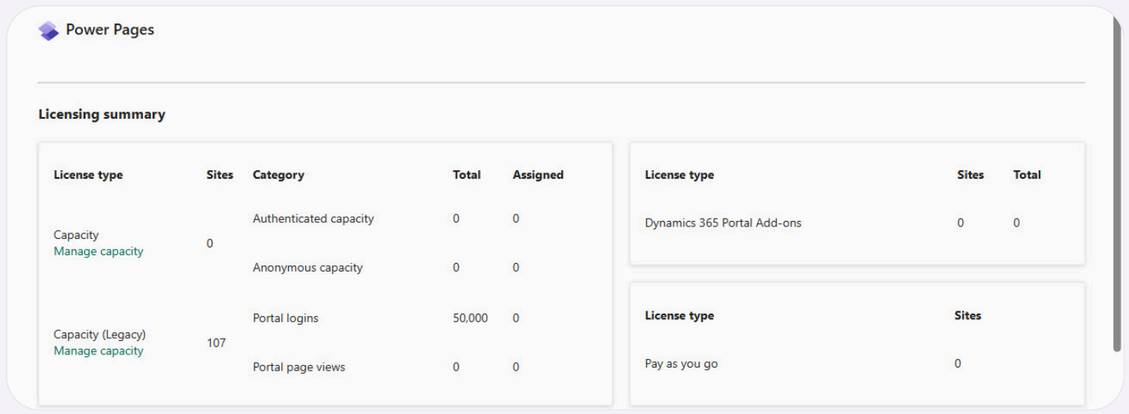
The four pages, once a month.



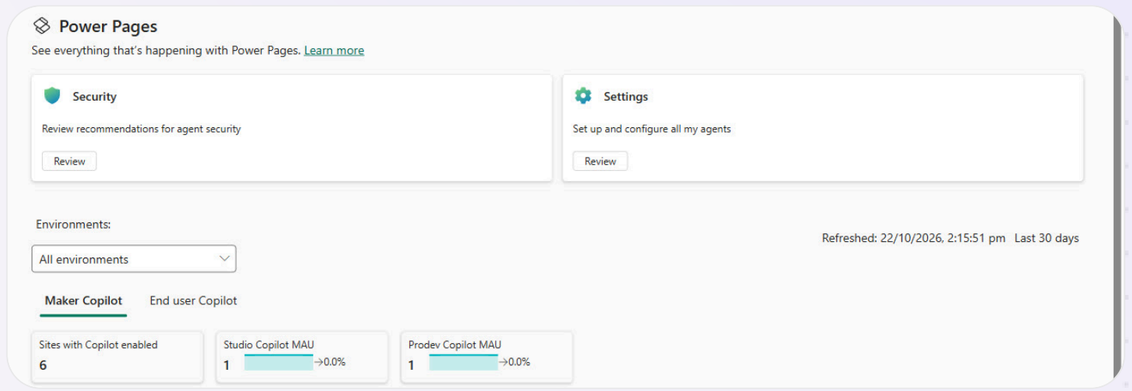
Recommendations. Security fixes first.



Security. Security overview (preview).



Licensing. Bought vs. assigned.



Copilot hub. AI usage at a glance.

Source: **Power Pages team session, PPCC 2026**

More from the session: go-live and operate

More from the session: production-readiness tools and practices the team walked through.

Capability	What it does
Go-live checklist	Inside the Set up workspace. Open it before launch.
Site Checker	Site Health, Run. Target zero errors. Warns above 500 web files or 200 dropdown rows.
Deep security scan	Include authenticated pages. Report downloads as PDF.
WAF challenges	Custom rules, JavaScript challenge, CAPTCHA on sign-up, sign-in, forms.
Platform Managed Scaling	Assign capacity. Load test and watch for 429s.
Platform-managed identity	No website authentication key to renew each year.
Managed SSL/TLS	Microsoft creates and renews certificates for your custom domain.
Manage exemptions	More time for a required update, "yourself, once".
Transfer ownership	In the admin center, when the owner leaves.

From our conversation with the Power Pages team

- **SPA templates** in the Power Platform skills, from the open-source **Power Pages samples** repo (`github.com/microsoft/power-pages-samples`). Solution upload includes tables and seed data. Community templates welcome.
- **"SPA" and "non-SPA" sites** replace "traditional": non-SPA for first paint and SEO, code / SPA for app-like interaction.

Read the docs `learn.microsoft.com/power-pages/go-live/checklist` **Get the templates** `github.com/microsoft/power-pages-samples`

Source: **Power Pages team session, PPCC 2026**

Reading it is step one. Building it is the point.

Turn this list into working sites with AI skills for the Power Platform and hands-on labs you can run at your own pace.

Builder skills
`fromzerotoheroes.com/builder-skills.html`

Hero Labs
`labs.fromzerotoheroes.com`

Register for the private preview
`aka.ms/power-pages-connectors`

Download the white paper
`aka.ms/PowerPagesALM`

Read the docs
`learn.microsoft.com/power-pages/go-live/checklist`

Get the templates
`github.com/microsoft/power-pages-samples`

Victor Dantas · Zero To Hero Thanks to the Power Pages team: Rajeev Ranjan, Priyanshu Agrawal, Neeraj Nandwana and Bipul Deora.

Every link in this guide is on the last three pages, **checked Oct 29, 2026**.

Links, by what they do

Every URL in this guide, all official sources, each checked to resolve on Oct 29, 2026. Where a feature has no public docs yet, the closest page is labeled.

Register

03 Connectors private preview	aka.ms/power-pages-connectors

Download and install

09 ALM lab guide and white paper (PDF)	aka.ms/PowerPagesALM
07 Power Pages extension for Microsoft Edge	microsoftedge.microsoft.com/addons/detail/microsoft-power-pages/hdgeefdihjpnplbnipnpdpegbflmffpc

See the release plan

05 Site analytics and server logging	learn.microsoft.com/power-platform/release-plan/2026wave1/power-pages/configure-site-analytics-server-logging
Monitor hub: release plan history	learn.microsoft.com/power-platform/release-plan/2026wave1/change-history

Read the announcement

SPA templates (Power Platform blog)	www.microsoft.com/en-us/power-platform/blog/power-pages/create-power-pages-sites-in-minutes-with-spa-templates/

Get the templates and AI skills

SPA templates (Power Pages samples repo)	github.com/microsoft/power-pages-samples
AI skills: Power Pages plugin repo	github.com/microsoft/power-platform-skills
06 security-review skill	github.com/microsoft/power-platform-skills/tree/main/plugins/power-pages/skills/security-review
08 analyze-performance skill	github.com/microsoft/power-platform-skills/tree/main/plugins/power-pages/skills/analyze-performance

Build it with Zero To Hero

Builder skills	fromzerotoheroes.com/builder-skills.html
Hero Labs	labs.fromzerotoheroes.com

Links: read the docs

Read the docs, features 01 to 09

Power Pages docs home	learn.microsoft.com/power-pages/
01 Real-time data updates (closest page; no public docs yet)	learn.microsoft.com/power-pages/admin/clear-server-side-cache
02 Header + footer output caching	learn.microsoft.com/power-pages/configure/enable-header-footer-output-caching
03 Server logic overview (closest; no public docs yet)	learn.microsoft.com/power-pages/configure/server-logic-overview
04 Enhanced authorization (preview)	learn.microsoft.com/power-pages/security/unify-pages-security-with-dataverse
04 Table permissions: custom access type	learn.microsoft.com/power-pages/security/table-permissions
04 Column security profile (preview)	learn.microsoft.com/power-pages/security/column-security-profile
05 Browser telemetry monitoring	learn.microsoft.com/power-pages/go-live/telemetry-monitoring
06 Security agent (preview)	learn.microsoft.com/power-pages/security/security-agent
06 Security best practices (security review skill)	learn.microsoft.com/power-pages/security/security-best-practices
07 DevTools extension	learn.microsoft.com/power-pages/configure/devtools-addon
AI skills: plugin for Copilot CLI and Claude Code	learn.microsoft.com/power-pages/configure/create-code-site-using-claude-code
09 ALM white paper on Learn	learn.microsoft.com/power-pages/guidance/white-papers/application-lifecycle-management
09 Use solutions with Power Pages	learn.microsoft.com/power-pages/configure/power-pages-solutions
09 Power Platform pipelines	learn.microsoft.com/power-pages/configure/power-pages-pipelines
09 VS Code extension (Compare site configuration)	learn.microsoft.com/power-pages/configure/vs-code-extension

Links: read the docs, continued

Read the docs, admin center, go-live and operate

10 Site analytics in the admin center	learn.microsoft.com/power-pages/admin/admin-center-analytics
10 Actions, Recommendations	learn.microsoft.com/power-platform/admin/power-platform-advisor
10 Security, Power Pages	learn.microsoft.com/power-pages/admin/admin-center-security
10 Capacity (Licensing)	learn.microsoft.com/power-pages/admin/capacity-management
10 Copilot hub	learn.microsoft.com/power-pages/admin/copilot-hub
Go-live checklist	learn.microsoft.com/power-pages/go-live/checklist
Site Checker	learn.microsoft.com/power-pages/admin/site-checker
Deep security scan	learn.microsoft.com/power-pages/security/security-scan
WAF overview	learn.microsoft.com/power-pages/security/web-application-firewall
WAF JavaScript challenge and CAPTCHA	learn.microsoft.com/power-pages/security/waf-js-challenge-captcha
Platform-managed identity	learn.microsoft.com/power-pages/security/identity-provisioning
Microsoft-managed SSL/TLS (custom domain)	learn.microsoft.com/power-pages/admin/add-custom-domain
Manage exemptions	learn.microsoft.com/power-pages/admin/manage-exemptions
Transfer ownership	learn.microsoft.com/power-pages/admin/transfer-ownership
Dataverse service protection limits	learn.microsoft.com/power-apps/developer/data-platform/api-limits