

PATCH RELEASE

SASVA Canvas 4.0.5

Content-Security-Policy, session-derived tenant isolation, and session hardening.

Internal product & engineering documentation • Persistent Systems

PRODUCT VERSION

4.0.5

SOFTWARE RELEASED

30 August 2026

DOCUMENT PUBLISHED

30 August 2026

SURFACES

Web • Desktop • Mobile

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1 About this document

This document is the release note for **SASVA Canvas 4.0.5**. It describes what this release delivered — each capability in enough detail that a reader who was not in the room can brief a customer, an operator, or an auditor. It lists this release and earlier releases only.

How to read this note. Each item below is a capability or a defect closed in 4.0.5. The first sentences say what changed; the next say why it matters and what you will see after upgrade.

2 Document control

Document title	SASVA Canvas 4.0.5 Release Notes
Document version	1.0 — published with Canvas 4.0.5
Product version	4.0.5
Software released on	30 August 2026
Document published on	30 August 2026
Classification	Internal — Persistent Systems

Document revision history

Version	Date	Description of change
1.0	30 August 2026	Initial publication of the Canvas 4.0.5 release notes, aligned with the product release date.

3 Product release history

This table lists this release and earlier Canvas releases. The highlighted row is this document.

Version	Date	Type	Headline
4.0.5	30 Aug 2026	Current Patch	Content-Security-Policy, session-derived tenant isolation, and session hardening
4.0.4	26 Aug 2026	Patch	Platform FAQ catalog and trustworthy chat history
4.0.3	23 Aug 2026	Patch	Help Center, User Feedback, AI transparency, and query-time PII masking
4.0.2	6 Jul 2026	Patch	SMTP that operators can save, and a complete lifecycle email set
4.0.1	21 Apr 2026	Patch	Release-planning persistence, owner sharing, brand PPTX, and OAuth work-account paths

Version	Date	Type	Headline
4.0.0	25 Mar 2026	Major	Genesis Discovery & Planning, Lifecycle Dashboard, local-folder repos, and SSO hardening
3.1.5	25 Mar 2026	Patch	The product is named SASVA Canvas; installers and desktop runtime catch up
3.1.4	13 Mar 2026	Minor	Electron desktop app, casual-query fast-path, and session timeout settings
3.1.3	12 Mar 2026	Patch	Mobile feature parity with the web console
3.1.2	10 Mar 2026	Patch	Fact Service agent and a fix for masked API keys leaking to the backend
3.1.1	9 Mar 2026	Minor	Billing, 8-factor ROI, team collaboration, image generation, and PENTEST-001
3.1.0	8 Feb 2026	Minor	Multi-agent RAG, Business and Product workspaces, enterprise security, and mobile

Patch

Web

Desktop

Mobile

4 In this release

4.0.5 is a security-hardening release. It changes how scripts are allowed to run in the browser, how tenant scope is decided on the server, and what the browser is allowed to remember about a session. Treat the Content-Security-Policy change as a deployment prerequisite: a reverse proxy that replaces the CSP header will break the application.

The version number is aligned to 4.0.5 across web, desktop, mobile, scripts, documentation, and product knowledge.

5 Security & trust

Per-request nonce Content-Security-Policy

Canvas now emits a nonce-based Content-Security-Policy from `middleware.ts` on every response. `unsafe-inline` is removed from `script-src`. Inline scripts that do not carry the request nonce are blocked by the browser.

Deployment proxies and CDNs must not override the CSP header. If they do, the page loads without scripts and looks like a blank shell. Extra iframe origins for Genesis or Studio continue to be driven by `GENESIS_ORIGIN`, `STUDIO_ORIGIN`, and the `CSP_FRAME_*` environment variables.

Session-derived tenant isolation

Workspace, chat, settings, and related APIs no longer trust a `tenantId` the client sends. Tenant scope is taken from the authenticated session. A mismatch returns `403 TENANT_MISMATCH` and is written to the audit log.

Super-admin overrides are opt-in per route, not a global bypass. Workspace access also checks that the stored tenant matches the session tenant; cross-tenant probing returns 404 rather than confirming that a workspace exists next door.

Session identity no longer lives in localStorage

The browser used to cache user identity in `localStorage`. A script that could read storage could impersonate the last session's role in the UI. 4.0.5 persists only timeout timestamps locally. User and workspace are restored through `/api/auth/validate` on every load.

Script-readable role cookies (`ui_role`, `ui_is_admin`) are gone. The Ed25519 signing key is derived from a persisted seed on disk (or from `ED25519_PRIVATE_KEY` on multi-host). Permissions signatures verify only against the pinned public key from `/api/auth/public-key`.

Production browsers stay quiet

Informational `console.log` and structured client logs are suppressed in production browsers. A support engineer who needs them can opt in for that browser only: `localStorage.setItem('canvas_debug_logs','1')`. Server logs are unchanged and still go to `web-app.log` / journal.

6 Fixes

Loopback HTTP login when x-forwarded-host includes a port

A transport check treated `x-forwarded-host` with a port as a non-loopback host and refused plaintext HTTP on credential endpoints. Local and some reverse-proxy lab setups then failed login even though the request never left the machine.

4.0.5 strips the port before the check. Loopback HTTP login works again. Non-loopback plaintext credential posts are still refused.

7 What to expect after upgrade

Before you put 4.0.5 behind nginx, Apache, or a CDN, confirm the proxy forwards the application CSP header and does not replace it. After deploy, users may need to sign in once so the new session cookies replace the old role cookies.

If login then fails with a signature or envelope error after a key rotation, hard-refresh so the browser drops a prerendered public key. The auth public-key route must be served at request time, not from a build-time snapshot.

PREVIOUS RELEASE

4.0.4

SASVA Canvas · 4.0.5 Release Notes 1.0

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