

MAJOR RELEASE

SASVA Canvas 4.0.0

Genesis Discovery & Planning, Lifecycle Dashboard, local-folder repos, and SSO hardening.

Internal product & engineering documentation • Persistent Systems

PRODUCT VERSION

4.0.0

SOFTWARE RELEASED

25 March 2026

DOCUMENT PUBLISHED

25 March 2026

SURFACES

Web • Desktop • Mobile

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1 About this document

This document is the release note for **SASVA Canvas 4.0.0**. 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 4.0.0. 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 4.0.0 Release Notes
Document version	1.0 — published with Canvas 4.0.0
Product version	4.0.0
Software released on	25 March 2026
Document published on	25 March 2026
Classification	Internal — Persistent Systems

Document revision history

Version	Date	Description of change
1.0	25 March 2026	Initial publication of the Canvas 4.0.0 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
4.0.0	25 Mar 2026	Current 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

Version	Date	Type	Headline
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

Major Web Desktop Mobile

4 In this release

4.0.0 is the major-version milestone. The tag aligned the product number across every surface. The weeks that followed — recorded in the product changelog as a documentation refresh without a further version bump — are the capabilities most customers mean when they say “Canvas 4”: Discovery & Planning through Genesis, a Lifecycle Dashboard, local-folder repositories, and Azure AD tokens that are actually validated.

This document describes that 4.0.0 body of work.

5 What’s new

Discovery & Planning — embedded Genesis

Product workspaces gain a Discovery & Planning surface that embeds Genesis in an iframe. The origin is configurable (`GENESIS_ORIGIN` / `NEXT_PUBLIC_GENESIS_ORIGIN`) so a customer’s Genesis host is not hardcoded into the build.

Canvas passes workspace name, workspace id, and domain into the iframe. The project Genesis opens is the Product workspace the user is already in. A handshake failure no longer leaves a blank frame with no project context.

Lifecycle Dashboard

A tenant-scoped dashboard aggregates workspaces, operations, agents, backlog, conversations, and phase mapping. Time ranges are 7 days, 30 days, 90 days, and all. Cards drill into the underlying records. The desktop app has parity with web.

The data comes from `/api/lifecycle/metrics` and is authenticated. It is a picture of this tenant’s work, not a cross-tenant platform dump.

Local Folder as a product-workspace repository

A Product workspace can use a browser-uploaded source tree as its code repository. Teams that cannot point Canvas at GitHub or GitLab — air-gapped, contractor laptop, one-off dump — still get estimation and release planning against real code.

Super Admins set a maximum document upload size and a separate cap for local-folder archives. Large uploads go through the custom Node endpoint with extended timeouts, so a 400 MB archive does not die with a 408 on the default Next.js limit. The old “read a path on the server” approach is gone; the browser sends the tree.

Gateway telemetry

Settings → Telemetry accepts an optional HTTP endpoint URL and bearer token. Selected usage events are forwarded to that collector in addition to PostHog. Environment fallbacks are `GATEWAY_TELEMETRY_URL` and

`GATEWAY_TELEMETRY_TOKEN`. A customer who already has a gateway does not have to stand up a second analytics stack to see Canvas traffic.

Built-in product knowledge

Canvas answers questions about itself from a built-in knowledge base. Users who asked “what is SASVA?” and got a mix of Canvas, the SASVA platform, and other Persistent offerings now get a product-shaped answer. That confusion was showing up in support and in chat traces.

6 Security & trust

Azure AD ID tokens are validated

SSO used to establish a session from claims the client presented. 4.0.0 validates the Azure AD ID token — signature, issuer, and audience — on the server before a session is created. A forged identity in the callback does not become a Canvas user.

Chat history is owner-or-Super-Admin

Workspace chat-history GET and DELETE are limited to the workspace owner or a Super Admin. A collaborator with view access can no longer list or wipe another user’s conversation set through the API.

Clone paths and tokens

Repository clone reuses an existing clone directory instead of laying a second copy next to the first. Tokens are redacted in clone API responses and logs. A failed clone no longer prints a PAT into `web-app.log`.

7 Improvements

Estimation engine URLs come from tenant settings

When the client sent a masked estimation-engine or pipeline URL, the server and the browser disagreed about which engine to call. Tenant settings are now the source of truth. Timeouts and logging on those proxy calls are improved. If a workspace has never created an Advanced Estimation Engine project, one is created on first use instead of failing with a missing `projectId`.

Day-to-day product UX

A load-test dashboard is available as a drawer. The workspace picker is dynamic. Market insights persist across views. Context & Sources Clear and Select All stay visible when file names are long. A display-name change on the profile page shows up in the header without a full reload. Document-generation chat renders markdown through ReactMarkdown instead of `dangerouslySetInnerHTML`.

8 Fixes

Exports, attachments, and SSO path

DOCX export no longer leaks raw HTML markup into Word. Multi-agent chat no longer duplicates the assistant output, and it recognizes files selected in the sidebar. Production SSO redirect through `/private/setting` is handled. An intermittent `hash_empty_error` during SSO login is resolved.

Deleting a web URL source persists across refresh. An LLM truncation no longer crashes transform-to-usecases. Configuring process management inside ROI or Release Planning keeps the user on the page instead of navigating away.

9 What to expect after upgrade

Set `GENESIS_ORIGIN` if Discovery & Planning should open a customer Genesis host. Set upload limits in Server Settings before you invite teams to use Local Folder. Confirm Azure AD app registration audience matches what the server now validates — a token that used to be accepted on claims alone will be rejected if issuer or audience is wrong.

PREVIOUS RELEASE
3.1.5