

PATCH RELEASE

SASVA Canvas 4.0.2

SMTP that operators can save, and a complete lifecycle email set.

Internal product & engineering documentation • Persistent Systems

PRODUCT VERSION

4.0.2

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SURFACES

Web • Desktop

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1 About this document

This document is the release note for **SASVA Canvas 4.0.2**. 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 4.0.2. 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 4.0.2 Release Notes
Document version	1.0 — published with Canvas 4.0.2
Product version	4.0.2
Software released on	6 July 2026
Document published on	6 July 2026
Classification	Internal — Persistent Systems

Document revision history

Version	Date	Description of change
1.0	6 July 2026	Initial publication of the Canvas 4.0.2 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
4.0.2	6 Jul 2026	Current 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
4.0.0	25 Mar 2026	Major	Genesis Discovery & Planning, Lifecycle Dashboard, local-folder repos, and SSO hardening

Version	Date	Type	Headline
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

4 In this release

4.0.2 made email a product again. Super Admins could not save SMTP configuration. Internal relays that do not speak AUTH LOGIN could not be used. Lifecycle events that should have notified the actor, the admins, and the collaborators were incomplete or silent. This release closes that gap and writes down a recipient policy so the same person is never both the actor and the “awareness” audience.

The 4.0.1 to 4.0.2 window also landed several platform items operators will meet in production: a stop button on streaming chat, brand-consistent PPTX export, per-deployment auth domain, and credential-envelope persistence behind proxies. The version number is aligned to 4.0.2 across surfaces.

5 What’s new

Authentication Type on Settings → Email

Settings → Email now has an Authentication Type control: LOGIN, PLAIN, None, and OAuth2 / XOAUTH2. LOGIN is the default and matches Gmail, Microsoft 365, SendGrid, Mailgun, and Amazon SES. PLAIN is for servers that reject LOGIN. None is for internal relays that authenticate by source IP and refuse AUTH entirely. OAuth2 is for Google Workspace and Microsoft 365 refresh-token flows.

TLS is no longer forced on. Port-25 relays that do not advertise STARTTLS still connect. Required fields — SMTP host and from-address — are validated on save, so a missing host fails in the form instead of later as “Email server not configured.”

Lifecycle notifications with a recipient policy

Account, workspace, and operation events each have their own toggle under Settings → Email → Notifications. All three default on. Account covers signup acknowledgement, admin approval notice, approved, deactivated, password reset, password changed, and lockout. Workspace covers created, updated, deleted, shared, and source added (document upload or a newly connected connector). Operations cover start, success, and failure for market research, ROI, backlog, publish release plan, and estimation.

The recipient policy is deliberate. The actor gets the confirmation. Tenant admins and super admins get a separate awareness email on tenant-scoped events, with the actor excluded so they are not emailed about work they just did. Workspace collaborators are BCC'd on content events. Every send is recorded in the email audit log with `to`, `cc`, and `bcc`. Sends are fire-and-forget — an SMTP outage does not fail the underlying API action.

Stop button on streaming business chat

A long multi-agent answer could not be cancelled. Users waited out a wrong interpretation or a runaway retrieval. 4.0.2 adds a stop control that interrupts the stream. The partial answer that already arrived stays; the rest is not generated.

Brand-consistent PPTX export

Chat-generated decks use the Persistent PSL template. Images, links, and speaker notes embed. Prompt text no longer bleeds into a slide. The deck that leaves Canvas looks like a Persistent deliverable, not a generic export of markdown.

Per-deployment auth identity

The allowed email domain and the super-admin identity are configurable per deployment. A customer install is no longer hardcoded to a Persistent mailbox pattern. Lab and customer environments can admit the identities they actually use.

6 Fixes

Super Admins can save SMTP settings again

Settings → Email **Save Configuration** threw `userId is not defined`. Super Admins could test a connection and still not persist it. The save path now has a user id. Web and desktop both write the configuration.

Forgot-password SQLite placeholder

Forgot-password threw `RangeError: Too few parameter values were provided` because a positional placeholder was bound once and used twice. The value is bound twice. Password reset mail sends again on SQLite deployments.

Credential envelope survives restarts and stale CDN keys

The RSA credential-encryption keypair was held only in process memory. A restart minted a new pair; every open tab then encrypted passwords the new process could not decrypt. 4.0.2 persists the keypair under the data root, tags envelope-rejected responses so the client can refetch once, and sends cache-busting headers so nginx or Cloudflare cannot pin a stale public key.

7 Security & trust

Password policy, idle timeout, and magic-byte uploads

Signup, reset, and user-update enforce a real password policy. Session idle timeout is enforced on the server, not only in the browser. Uploads are validated by magic bytes, not only the Content-Type the client claimed — a renamed executable does not pass as a PDF.

8 What to expect after upgrade

Open Settings → Email, choose the Authentication Type that matches your relay, save, and send a test. If you use an IP-authenticated internal relay, set Authentication Type to None and leave TLS off on port 25.

Review the three notification toggles before you announce the release. They default on; a tenant that does not want operation-started mail should turn that category off rather than discover it in production.

PREVIOUS RELEASE
4.0.1