

Weekly Status Report

Week 31

The Dash — SBS’s Multi-Gated AI Orchestrator Platform, designed by Ledger Hub Networks exclusively for SBS

REPORTING PERIOD – 2026-06-26 → 2026-07-26 · COMPILED 2026-07-26

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SIGN-OFF	Nelson Santos (period report summary)
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Revision History

Version	Date	Author	Change Summary
V1.0	July 26, 2026	F. Yglesias	Initial issue — Week 31 weekly status report

List of Acronyms

Acronym	Expansion	Acronym	Expansion
AAC	Advanced Audio Coding	IT	Information Technology
DNS	Domain Name System	SDD	Spec-Driven Development
DoR	Decision of Record	SSH	Secure Shell
HTML	HyperText Markup Language	TLS	Transport Layer Security
ISO	International Organization for Standardization	UFW	Uncomplicated Firewall
VPC	Virtual Private Cloud	AR	Accounts Receivable

1. Reporting Period and Scope

This report covers Ledger Hub Networks, LLC (LHN) delivery activity for the period 2026-06-26 → 2026-07-26, compiled 2026-07-26, under reference LHN-8003. It was compiled from persistent memory (Engram), git history, and server documentation. Scope covers the two period-form summary items (delegation of the `sbsdash.com` domain and development of the DigitalOcean foundation) and the detailed delivery record: radio billing data analysis, workspace and git organization, the SBS-Intranet demo and its Vue 3 port, the sbs-dash transformation of Kan, server infrastructure, the corporate wiki, and the Sol Vega public site. All infrastructure references align to the target and as-built states documented in LH-SBS-INF-001.

Accuracy note (from the source record): there is no record of a domain registrar transfer (account/registrar change). What is documented is the **DNS delegation of `sbsdash.com` to the new DigitalOcean platform**. If a registrar transfer also took place, add it manually.

2. Work Completed — Week 31

Nine workstreams were delivered during the reporting period.

Item	Workstream	Detail
WR31-01	Transfer of SBSDASH domain to SBS's new DigitalOcean platform	The <code>sbsdash.com</code> domain (GoDaddy nameservers) was delegated to SBS's new DigitalOcean platform: DNS A records created and verified — <code>sbsdash.com</code> → Dev-Gitlab-server (<code>138.197.222.154</code>); <code>monitor.sbsdash.com</code> → <code>162.243.28.132</code> (HTTPS live); <code>wiki.sbsdash.com</code> → <code>167.172.135.88</code> (HTTPS live); <code>solvega.sbsdash.com</code> → production droplet (<code>107.170.72.145</code> , public site with automatic SSL). All four endpoints serve trusted TLS with zero manual renewal required.

WR31-02	Development of DigitalOcean foundation	Complete base infrastructure on DigitalOcean: 4 droplets (production, dev, wiki, monitoring — NYC1/NYC2) with VPC private networking; passwordless SSH (ed25519) + sbsRoot operator user; hardening (ufw, key-only SSH, internal ports closed, security headers, HSTS); Docker 29.1.3 + Compose 2.40.3 on prod, dev and monitor; centralized monitoring (Prometheus + Grafana, “SBS Servers Overview” home dashboard, kiosk playlist); first applications delivered (BookStack wiki, Sol Vega splash site).
WR31-03	Radio billing data analysis (sbs workspace)	Profiled sbsdet.dat — SBS radio advertising spot/order detail CSV: 639,844 rows, 18 columns, 85 MB . SDD initialization cached in Engram; DuckDB test runner with 6 SQL assertions; artifacts DATA_PROFILE.md , profile.sql , SDD_PLAN.md ; aggregated data identified (__REV__.items 5,241 rows; __SBS__.items 4,987).
WR31-04	Workspace organization & git repositories	Dual git repo in the workspace; paperclip/ renamed to orchestrator/ and reinitialized clean (2,788 files committed); delivery decision for sbs-dash — code in local git only, public origin remote removed; branching strategy feature-branch-chain .
WR31-05	SBS-Intranet (“SBS Executive Bots” demo)	Complete technical analysis (7 agents, 4-layer client-side architecture) and deployment to sbs-intranet.ledgerhub.net ; full port to Vue 3 + Vite + TypeScript (153/153 tests pass, 0 build errors); dashboard v2 update — 9 pages live with head guard, clean URLs, verification PASS with 0 CRITICAL/WARNING.
WR31-06	sbs-dash — transformation of Kan (AGPLv3 kanban)	6-task backlog, all merged to sbs-dash : sbs-login (animated THE DASH landing, dark SBS-branded login modal, self-registration removed — invite-only); sbs-rebrand-hardening (security/anti-indexing headers per LH-SBS-SEC-001 §FE, kan → sbs-dash rebranding); admin-user-management (system-admin role, gates, idempotent bootstrap seed, admin create-user with orphan-account compensation); later main work (calendar week/day view, “On hold” card status, i18n catalogs).
WR31-07	Server infrastructure (sbs-3)	Droplet inventory documented; passwordless SSH on all 4 servers with sbsRoot user; centralized monitoring live at monitor.sbsdash.com (closed architecture — Grafana/Prometheus/node_exporter not internet-exposed; 5 targets up; dashboards + office playlist; anonymous Viewer access with documented rollback); Docker + Compose on prod, dev and monitor.
WR31-08	Corporate wiki — wiki.sbsdash.com (BookStack)	BookStack v26.05.2 on nginx + PHP-FPM 8.5 + MariaDB 11.8; Let's Encrypt TLS with verified auto-renewal; full hardening (UFW, key-only SSH, localhost-only DB, HSTS, security headers, locked file permissions, default admin replaced); end-to-end validation passed; show/hide password toggle added via Custom HTML Head Content.
WR31-09	Sol Vega public site — solvega.sbsdash.com	Caddy 2.11 with automatic HTTPS; intro video encoded 732 MB → 88.4 MB, SSIM ≥ 0.978 ; landing integrated with the dc runtime; hero video update (SOLTHEDASHV15.mp4 → 720p CRF 23, 73 MB) with audio bugfix and mobile version; scope extensions applied (autoplay on entry, playback controls).

3. Planned Work — Week 32

Pending items stated in the source record.

Item	Workstream	Detail
WR32-01	Wiki SMTP and backup strategy	Configure SMTP for invitation and password reset emails on wiki.sbsdash.com. Implement and test a comprehensive backup strategy (DB dump + uploads + .env files) for the BookStack deployment.
WR32-02	Infrastructure remediation — Wiki VPC	Address the cross-region VPC limitation for the sbs-wiki droplet (currently in NYC1, unable to join the NYC2 VPC). Migrate the wiki droplet to NYC2 via snapshot restore to ensure private VPC traffic flows correctly without relying on public IP scraping.

WR32-03	Continued sbs-dash development	Continue feature development and hardening on the sbs-dash branch, including calendar view refinements, i18n catalog compilation, and further UI hardening per the SDD pipeline.
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4. Decisions of Record — Week 31

DoR-1 — Cross-Region VPC Limitation for Wiki

The sbs-wiki droplet was provisioned in NYC1, while the rest of the fleet (Prod, Dev, Monitor) is in NYC2. Because DigitalOcean VPCs do not cross regions, the wiki is currently scraped via public IP with firewall rules restricting access strictly to the monitor server. To align with the closed VPC architecture mandated by LH-SBS-INF-001, the wiki droplet will be rebuilt in NYC2 during Week 31.

DoR-2 — Sol Vega Video Audio Policy

The initial decision to deploy the Sol Vega intro video without audio was reversed. The `muted` HTML attribute is only required for autoplay policy compliance; with playback controls enabled, the user must be able to enable sound. The video was re-muxed with AAC audio and deployed successfully.

DoR-3 — sbs-dash Delivery and Registration

Code in **local git only** — public `origin` remote (kanbn/kan) removed so company changes are never pushed to the public upstream; branching strategy `feature-branch-chain`. Self-registration removed entirely (signup route and UI deleted) — invite-only gateway. Login/auth kept intact through the v2 integration (hard user constraint), with pre-overwrite backups captured in `archive/*.v1.dc.html`.

DoR-4 — Grafana Access Policy

Anonymous access enabled (Viewer role, version hidden) with a documented rollback procedure.

5. Detail — Radio billing data analysis (`sbs` — root workspace)

Period: 2026-06-26

- **Profiling of `sbsdet.dat`**: the file (misnamed `.dat`) is a CSV of Spanish Broadcasting System radio advertising spot/order detail: **639,844 rows, 18 columns, 85 MB**.
- **SDD initialization of the `sbs` project**: context, conventions, and testing capabilities cached in Engram (`sdd-init/sbs`).
- **Testing capabilities**: DuckDB runner with 6 SQL assertions (`duckdb sbs-analysis/sbsdet.duckdb < sbs-analysis/sql/validate.sql`): row count, gross reconciliation, bonus-flag consistency, `rev_class` exhaustiveness, etc. Strict TDD: disabled.
- **Generated artifacts**: `sbs-analysis/DATA_PROFILE.md`, `sbs-analysis/profile.sql`, `sbs-analysis/SDD_PLAN.md`.
- **Aggregated data identified**: `__REV__.items` = 5,241 aggregated rows (not the 639,844 detail rows); `__SBS__.items` = 4,987. Data files ~0.19 MB each.

6. Detail — Workspace organization and git repositories

Period: 2026-06-29

- **Dual git repo** in `/home/dacksokel/Documents/SBS`: (1) workspace root repo (branch `main`, currently on `frontend`); (2) `paperclip/` renamed to `orchestrator/`, with its previous `.git` removed (it was a fork of `paperclipai/paperclip`, 203 commits ahead of upstream) and reinitialized clean with `git init -b main` (2,788 files committed).
- **Delivery decision for `sbs-dash`**: code in **local git only** — public `origin` remote (`kanbn/kan`) removed so company changes are never pushed to the public upstream. Branching strategy: `feature-branch-chain`.

7. Other workspace artifacts

Path	Contents
DEM029/	Offline demo: <code>report.html</code> , <code>app.js</code> , <code>fact_spots.parquet</code> , <code>sec-reference/</code> , <code>serve.sh</code>
reports_base_onlyRead/	Read-only base reports: <code>Aging.xls</code> , <code>Rev WOAE 26-JUN-2026 REV2.xlsx</code>
orchestrator/	Former paperclip, own git repo initialized (2,788 files)
sbs-3/SERVER.md	SSH access procedures for agents
sbs-3/SERVER_CHANGELOG.md	Infrastructure changelog (317 lines, in Spanish)

8. Detail — SBS-Intranet (“SBS Executive Bots” demo)

8.1 Initial analysis and deployment — 2026-06-29 / 30

- **Complete technical analysis** of the demo (7 agents): 100% client-side architecture in 4 layers — `index.html` + `auth.js` (login/guard), `dashboard.dc.html` (host), `support.js` (runtime), embedded data.
- **Deployment to `sbs-intranet.ledgerhub.net`**: rule established — **no `.bak` folders**, direct deploy to `/var/www/SBS-Intranet.ledgerhub.net/`.
- **Documented finding**: the `SBS Executive Bots.dc.html` dashboard has spaces AND capitals in the name — filename fragility recorded.

8.2 Full port to Vue 3 (SDD `intranet-vue-port`) — 2026-06-30

- **Full SDD pipeline**: explore → proposal → spec → design (with fresh-reviewer gate) → tasks → apply (6 slices + remediation) → verify (pass-with-warnings, **0 CRITICAL**) → archive.
- **Stack**: Vue 3 + Vite + TypeScript + Vue Router + Pinia + Vitest, in `SBS-Intranet/vue-app/`, branch `feat/vue-port` (7 commits `b9d37a0` → `9be99f4`).
- **Result**: faithful 1:1 port — 8 views, login + auth guard (insecurity intentionally preserved), shared `usePivotTree` engine, both pivot consoles (airtime + AR aging), `MonthlyStackedBar` SVG chart, typed data extraction (`scripts/extract-data.mjs`), Pinia stores, dark-theme tokens.
- **Quality**: 153/153 Vitest tests pass, `vue-tsc` 0 errors, `vite build` 0 errors.
- **Key discovery**: the consoles were NOT opaque — `runLogic()` is readable JS → direct translation instead of DOM reconstruction.
- **Git incident resolved**: the Slice 1 commit dragged in a pre-existing staged rename; fixed by limiting to `git add vue-app/` and the rule was hardened for subsequent slices.

8.3 Dashboard v2 update (SDD `dashboard-update-v2`) — 2026-07-07

- **Integration of the v2 drop** (`update!!/SBS-Intranet`): redesigned home + 6 new pages, keeping login/auth intact (hard user constraint).
- **9 pages live** with head guard (`auth.js` + `requireAuth` before `support.js`) and `[data-sbs-logout]` button: home, sbs-employee-dashboard, sbs-reporting-dashboard (overwritten) + backend, sbs-corporate-calendar, sbs-documents, sbs-foundation, sbs-stations, sbs-sales-dashboard (new).
- **Migration to clean URLs** (commit `03dcaab`): shared auth module, extensionless routes (`/home` , `/sbs-foundation`), responsive login, old dashboard removed.
- **Pre-overwrite backups** in `archive/*.v1.dc.html` (the 3 overwritten pages were not tracked in git — caught by the gate review).
- **Verification**: PASS, 0 CRITICAL/WARNING, AC1-AC8 validated in browser with Playwright; local server `python3 server.py 8000`.

9. Detail — sbs-dash, transformation of Kan (AGPLv3 kanban)

Period: 2026-07-12 onward · **Repo**: `kan-Trello/` · **Integration branch**: `sbs-dash` · 6-task backlog (internal use, AGPL-compliant); all SDD work below is merged into `sbs-dash`.

9.1 `sbs-login` (3 slices merged)

- Animated “THE DASH” landing page with ported FLIP animation.
- Dark credentials-only login modal with SBS branding (fonts and watermark assets registered).
- **Self-registration removed entirely** (signup route and UI deleted) — invite-only gateway.

- Fixes: “sbs” sub-mark without clipping on wide viewports, dark login-form UX.

9.2 sbs-rebrand-hardening (2 slices merged)

- **Security and anti-indexing headers** per LH-SBS-SEC-001 \$FE: full robots directives, head hardening.
- **Rebranding of reachable surfaces** kan → sbs-dash: login, invitation, and public board page titles; sidebar wordmark.
- Executed in chained PRs (Slice 1 independent security → Slice 2 rebrand).

9.3 admin-user-management (6 slices merged)

- **system-admin** role with schema and better-auth admin plugin.
- `systemAdminProcedure` gate; `workspace.create` restricted.
- **Idempotent** system-admin bootstrap seed (fix: `getByEmail` includes `role`).
- Admin `create-user` mutation with orphan-account compensation (hardened after judgment-day).
- Onboarding and workspace-creation UI limited to system admins.
- Deploy documentation: admin bootstrap env vars, migration step, first login.

9.4 Later work on main (upstream + own improvements)

- Calendar: week/day view with all-day and multi-day cards, label repeated on each spanned day, per-list calendar-visibility toggle, calendar-mode sync with URL, opaque surface over board backgrounds.
- New “On hold” card status.
- Text-legibility fixes over light/dark backgrounds, pointer events, card duplication into its current list.
- i18n catalogs extracted and compiled.



10. Detail — Server infrastructure (`sbs-3`)

Period: 2026-07-17 / 18 · Documented in `SERVER.md` and `SERVER_CHANGELOG.md`

10.1 Droplet inventory (DigitalOcean)

Droplet	Hostname	Public IP	VPC Private IP	Region
Prod (core)	sbsdash-server-prod	(via VPC / jump host)	10.100.0.3	NYC2
Dev	Dev-SBS-server	162.243.252.138	10.100.0.2	NYC2
Wiki	sbs-wiki	167.172.135.88	10.116.0.2	NYC1
Monitor	monitor-servers	162.243.28.132	10.100.0.4	NYC2

Important finding: the wiki is in NYC1 and DigitalOcean VPCs do not cross regions → it is scraped over public IP with a firewall that only allows the monitor: `sbsdash.com` (138.197.222.154) points to `Dev-Gitlab-server` (VPC 10.120.x), NOT to prod; prod is administered via SSH through a jump host (`ssh -J root@162.243.28.132 root@10.100.0.3`).

10.2 Passwordless SSH access (2026-07-17)

- ed25519 key (`~/.ssh/id_ed25519`) installed and verified on all 4 servers (prod received it via jump host).
- `sbsRoot` user (uid 1000) created on dev, prod, and monitor: `sudo NOPASSWD:ALL (/etc/sudoers.d/sbsRoot)`, same SSH key, added to the `docker` group.
- Documented rules: always `-o BatchMode=yes`, never passwords in chat.

10.3 Centralized monitoring — monitor.sbsdash.com (2026-07-17)

- **Stack:** Prometheus + Grafana 13.1.0 + nginx 1.28.3 + certbot (Let's Encrypt), all behind HTTPS.
- **Closed architecture:** Grafana (127.0.0.1:3000), Prometheus (127.0.0.1:9090), and node_exporter (127.0.0.1:9100) NOT exposed to the internet; only nginx on 80/443. ufw: 22, 80, 443.
- **node_exporter installed on prod, dev, and wiki** — prod/dev listen only on the VPC private IP; wiki exposes 9100 only to the monitor (ufw rule).
- **droplets** job in Prometheus with per-droplet `server` labels; validated with `promtool` — 5 targets up.
- **Dashboards:** “Node Exporter Full” (ID 1860) provisioned + custom “SBS Servers Overview” dashboard (uid `sbs-overview`) as home: UP/DOWN status, CPU/RAM/Disk with color thresholds, CPU/RAM/network history, uptime; fixed colors per server (prod blue, dev violet, wiki orange, monitor cyan).
- **“SBS Servers” playlist** (30 s rotation between overview and detail) for the office display.
- **Grafana anonymous access enabled** (Viewer role, version hidden) with a documented rollback procedure.

10.4 Docker + Compose (2026-07-18)

- `docker.io` 29.1.3 + `docker-compose-v2` 2.40.3 on prod, dev, and monitor (official Ubuntu repo, no external repos), service enabled.
- **NOT installed** (not requested): MongoDB, AnythingMCP, PostgreSQL, NodeJS, Rust, Python, pnpm, Redis, Git.

11. Detail — Corporate wiki, wiki.sbsdash.com (BookStack)

Period: 2026-07-17 · Server `sbs-wiki` (167.172.135.88) · Documented in `sbs-bookstack-wiki/REPORTE.md`

- **BookStack v26.05.2** in `/var/www/bookstack` : nginx 1.28.3 + PHP-FPM 8.5 + MariaDB 11.8 (dedicated DB and user, localhost only).
- **TLS**: Let's Encrypt with verified auto-renewal (`certbot.timer` + successful dry-run).
- **Full hardening**: UFW (22/80/443), key-only SSH (`PasswordAuthentication no` , root prohibit-password), MariaDB on 127.0.0.1, HTTP → HTTPS 301 redirect + HSTS, security headers (X-Frame-Options, X-Content-Type-Options, Referrer-Policy, CSP), `server_tokens off` , `expose_php Off` , dotfiles blocked, `.env` 640, credentials in 600-permission files under `/root` , default admin replaced with strong credentials.
- **End-to-end validation**: `/status` OK (database, cache, session), real login with curl, `.env` returns 403.
- **Extra**: show/hide password toggle on the login via “Custom HTML Head Content” (survives updates, without touching BookStack code), validated in browser.
- **Pending**: SMTP for invitation/reset emails; backup strategy (DB dump + uploads + `.env`).

12. Detail — Sol Vega public site, solvega.sbsdash.com

Period: 2026-07-24 → 26 · Prod server `107.170.72.145` · Full SDD

12.1 Initial deployment (SDD `solvega-site-deploy` , archived with verify PASS)

- **Caddy 2.11** provisioned as web server with automatic HTTPS (Let's Encrypt) and ufw locked down.
- **Intro video** (732 MB source, 8.3 min): deploy-decision analysis, local CRF21 slow + faststart encoding → **88.4 MB**, **SSIM ≥ 0.978**, deployed to `/var/www/solvega/media/` .
- Landing integrated with the dc runtime bindings (`videoSrc/noVideo/onPick/onDragOver/onDrop`); smoke-test suite + independent verification with 0 CRITICAL findings.
- **Scope extensions applied**: autoplay on entry, playback controls.

12.2 Hero video update (SDD `update-hero-video`)

- Replaced with `SOLTHEDASHV15.mp4` (731 MB @ ~11.7 Mbps): transcode to 720p H.264 CRF 23 + `+faststart` + extracted poster; deployed via scp with curl + Playwright verification.
- **Audio bugfix**: the decision to remove the audio was WRONG — the `muted` attribute is only for the autoplay policy; with `controls` the user must be able to enable sound. Re-mux with AAC audio → `/media/solthedashv15-720p-crf23a.mp4` (73 MB) live.
- **Mobile version**: video added/adjusted in responsive, larger video and smaller typography on mobile, verified with screenshots (`solvega-mobile-v2.jpeg` , `solvega-autoplay-ok.png`).
- **Diagnosis**: the “ghost picker” on mobile was stale cache on the user's phone, not a server defect (HTML served without picker, verified by curl).

13. References

- **LH-SBS-INF-001** — Infrastructure Specification for The Dash (target and as-built states; verification gates)
- **LH-SBS-SEC-001 V1.0** — Security and Access Control Specification (36 controls, 8 families)
- **LH-SBS-KO-001 V3.2** — Technical Install and Discovery Runbook
- **LH-SBS-INST-001 Part A** — Platform Install Runbook
- **sbs-analysis/DATA_PROFILE.md · profile.sql · SDD_PLAN.md** — radio billing data analysis artifacts
- **sbs-3/SERVER.md · sbs-3/SERVER_CHANGELOG.md** — server access procedures and infrastructure changelog (317 lines, in Spanish)
- **sbs-bookstack-wiki/REPORTE.md** — corporate wiki delivery report
- **SDD pipelines** — `intranet-vue-port`, `dashboard-update-v2`, `solvega-site-deploy`, `update-hero-video` (all verified and archived)

14. Change Register

Entry	Date	Change
CR-01	July 26, 2026	Initial issue — no prior edits.

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