DD&T — WEEKLY REPORT

Digital, Data & Technology · file no later than Sunday by 4:00 PM ET

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1 · This week in one paragraph

This week I completed the inventory and dependency audit of the five DigitalOcean droplets that host LaMusica critical infrastructure (DO-STIMPY, DO-REN, Hitzmaker, Wave, and the Commercial Free Station) as part of the CentOS 9 to Ubuntu migration epic. For each droplet I produced a migration specification and attached it to the audit card in Jira. The target is Ubuntu 26.04 LTS with Node.js 26 LTS. We keep Hitch and Varnish for TLS and routing, MongoDB stays on Atlas, and only ports 22, 80, and 443 stay open, with a few documented exceptions. We also decided to deprecate the Hitzmaker project: its droplet will be snapshotted, all data and code backed up, and the server turned off instead of migrated, which leaves four droplets to migrate. The Yospace integration (Jira WC-514) is ready to deploy, but it is blocked until the new Connected TV, iOS, and Android app versions are released. I completed Jira WC-524: the News page was removed from lamusica.com, and the WordPress site behind it (news.lamusica.com) was turned off. I have also been working on Jira WC-519, a new architecture for livestream analytics. Finally, I completed an inventory of our current MongoDB databases and an analysis of where we can reduce cost (Jira WC-565).

2 · Open items

- Deploy the Yospace integration (Jira WC-514) once the Connected TV, iOS, and Android apps are released.
- Finish the new livestream analytics architecture (Jira WC-519).
- Review the MongoDB cost-reduction analysis (Jira WC-565) with the team and decide which changes to apply.
- Execute the CentOS 9 to Ubuntu 26.04 migration of the remaining four LaMusica droplets (DO-STIMPY, DO-REN, Wave, and the Commercial Free Station), following the approved specifications, including the upgrade to Node.js 26 LTS.
- Deprecate the Hitzmaker project: take a final snapshot, back up the database, user uploads, configuration, and source code, then turn off the droplet.
- Continue the division reorganization, including assessing and organizing the issues found during the audit.
- Reorganize our Bitbucket repositories: move inactive projects to the archive (no deletions) and consolidate all active projects in a new workspace. The audit found one repository in a separate workspace, which will be included.
- Continue the open discussion on replacing the media CDN with Cloudflare for StreamCentral.
- Continue the deep dive into the Dash architecture with Jhony to understand the system and decide on the path forward.

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3 · Next week

- Build the shared base server template (Ubuntu 26.04 LTS, Node.js 26 LTS, Hitch, and Varnish 7) and break the four migration specifications into Jira tickets under the epic.
- Start the droplet migrations with the lowest-risk server first, using a blue/green approach: build the new droplet next to the old one, then switch DNS with a rollback path.
- Snapshot, back up, and turn off the Hitzmaker droplet.
- Continue work on the livestream analytics architecture (Jira WC-519).
- Present the MongoDB cost-reduction findings (Jira WC-565) for review.
- Follow up on the Connected TV, iOS, and Android release dates to unblock the Yospace deployment (Jira WC-514).

4 · Open issues

- The Yospace deployment (Jira WC-514) is blocked by the pending release of the Connected TV, iOS, and Android apps.
- The LaMusica droplets still run CentOS 9 with an outdated stack (Node.js, npm, and MongoDB drivers). Some services run on Node.js versions that are already end of life. Given the recent security exploits, the migration remains a priority.
- The StreamCentral livestream analytics solution has scalability issues. The new architecture is in progress (Jira WC-519).
- Critical issues from the audit are still being assessed and assigned.

5 · Suggestions

- Use the migration specifications as the system documentation for each server, and keep them up to date as part of the reorganization.
- Schedule the droplet cutovers in low-traffic windows, and agree on them with the app and stations teams ahead of time.