



# AWX Automation Platform

## DevOps Milestones & Project Evolution

*Branch infrastructure automation across 285+ locations*

2022-10-22 → 2026-07-07



# Platform Overview

| Metric                    | Value |
|---------------------------|-------|
| Releases since 2022-10-22 | 198   |
| Job Templates             | 155   |
| Projects                  | 201   |
| Inventories               | 13    |



# Foundation & Core Automation

45 *releases*

- First *Proxmox* workflows + *Dell* R350 server compatibility
- Initial workstation automation ( `wst_upd` v1.7 / `wst_ipa` )
- *AWX* project scaffold + core team permissions ( `awx-test/gcoop/impl/mant/trans` )
- `sysctl` *hardening* — source route & *ICMP* redirect blocking



# Workstation Ecosystem

47 releases

- *FreeIPA SSSD* tools automation — auto-start `krb5kdc/httpd` services
- *PXE Clonezilla* `boot` — *WST* remote recovery/clone via network
- *Wake-On-Lan* batch deployment with *SSH* readiness check
- *Firefox* migration: `v68` → `v120` ( `ffox120` ) with isolated profiles



# Service Expansion

16 releases

- CCTV camera provisioning — dedicated inventory + job templates
- Printer service automation — `ppd` from *CDN*, `cups_ng` configuration
- *HP Linux Tools* detection via *BIOS* Admin Password + *WakeOnLAN* workflow
- *ACSI* rules deployment with automatic octal file mode conversion



# Security & Compliance

18 *releases*

- `sec_chk` job template — automated *ACSI* compliance reporting
- *ACSI* role refactor + `xcontrol` users sudoers management
- *WST* `v1.8.1` / *Firefox* `120` rollout / *WST* image `v1.9.0`
- *Git* access token rotation for `sgit` VM credentials



# Infrastructure Modernization

16 releases

- *PVE* workflow → *playbook* refactor — idempotent deployments
- *Debian Installer* v11 update (build 20210731-deb11u10 )
- *CMDB* facts collection: *WST* hardware, disk, network detection
- *Ansible\_vms* v0.7.0 — full VM generation on *Proxmox*



## Scale & Reliability

40 releases

- `wst_upd 1.8.x` incremental series with *SREP* rollback flag support
- *ACSI* rules bugfixes — automatic file mode octal resolution
- *Lexmark 531→610* printer driver replacement automation
- `wst_upd v1.8.11` / `wst_ffx v0.5.0` — inventory `v0.48.0`



## Current State

16 releases

- Versioned project names ( `ansible_wst_v1.8.13` + `wst_upd_v1.8.13` )
- *ACSI* `v0.4.16` + `auditd` `v0.1.0-filiales` role updates
- *Inventory* `v0.52.0` — multi-team grants across 6 teams
- *FreeIPA* server migration templates (*PVE* + *VMS* + *WST* branches)



# Impact by the Numbers

| Category                   | Scope                                      | Releases |
|----------------------------|--------------------------------------------|----------|
| Workstation Automation     | <code>wst_upd 1.7 → 1.8.x</code>           | 16       |
| <i>FreeIPA</i> Integration | <i>SSSD</i> + <i>DNS</i> + migration       | 37       |
| CCTV Deployments           | Full lifecycle management                  | 14       |
| ACSI Compliance            | <code>sec_chk</code> + automated reporting | 15       |



## Timeline at a Glance

| Period  | Version Range | Focus                                                            |
|---------|---------------|------------------------------------------------------------------|
| 2022-23 | v0.10-v0.67   | Workstation + <i>FreeIPA</i> foundation                          |
| 2024    | v0.68-v0.89   | Security, <i>ACSI</i> , <i>Firefox</i> 120 , <i>PVE</i> refactor |
| 2025    | v0.90-v0.97   | Scale, reliability, <i>wst_upd</i> 1.8.x series                  |
| 2026    | v0.98-v0.106  | <i>ACSI</i> v0.4 , inventory automation, <i>IPA</i> migration    |



## References & Resources

- Site: <https://filiales-gnu-linux.g.coop.ar/>
- Code: <https://gitlab.com/gcoop-libre> | <https://github.com/gcoop-libre>
- Story: <https://www.gcoop.coop/experiencia-exitosa/infraestructura-como-codigo-en-el-banco-credicoop>

## 2022-10-20 HowTo Migrate 6300 hosts to GNU/Linux using Ansible and AWX

- Video: <https://www.youtube.com/embed/3hjQwbqCUP4>
- Transcription: <https://osiux.com/2022-10-20-howto-migrate-6300-hosts-to-gnu-linux-using-ansible-and-awx.html>