Manage All your Linux with Uyuni

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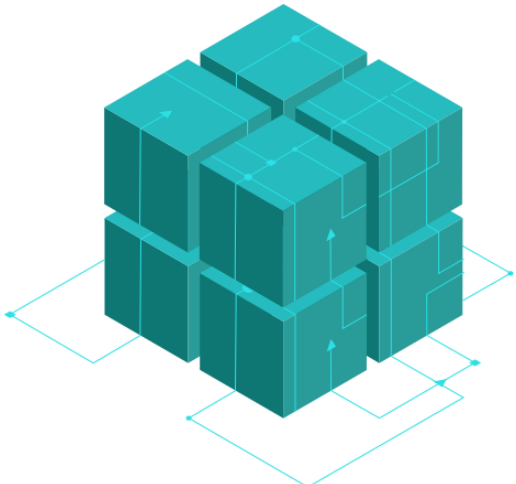


What is Uyuni?

- Scalable systems management solution
- Drift control and patch cycle automation
- Hardware and software inventories
- Configuration management
- Granular control over content delivery

Any Linux. Anywhere. At any scale.

Where did Uyuni come from?

Origins: Spacewalk project

- Free & Open Source Systems Management
- Started in 2008
- Upstream of RH Satellite 5, SUSE Manager before 3.2
- Project shut down in May 2020

Uyuni – the place

Uyuni, Bolivia

Uyuni – a fork of Spacewalk

Updated features from SUMA (downstream to upstream)

Things we have added/augmented

- Salt
- Scalability
- Usability
- React Web UI
- Python 3 and JDK11 codebase
- Coming next: Containerization

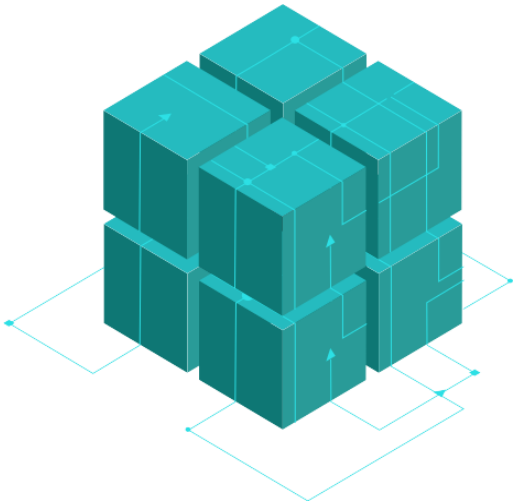
Uyuni Under the Covers

Key open source projects

- Apache, tomcat, openjdk
- Postgresql
- Salt
- Prometheus/grafana
- Devel languages: java, python, go

Uyuni: upstream project for SUSE® Manager

- Community-supported
- Monthly meeting: Uyuni Community Hours (last Friday of the month, 4pm CET)
- Runs on openSUSE Leap
- Monthly releases targeted
- Rolling-release
- Contributions welcome
- All translations enabled by default (even community ones)



@UyuniProject

github.com/uyuni-project

gitter.im/uyuni-project

Join Us at uyuni-project.org

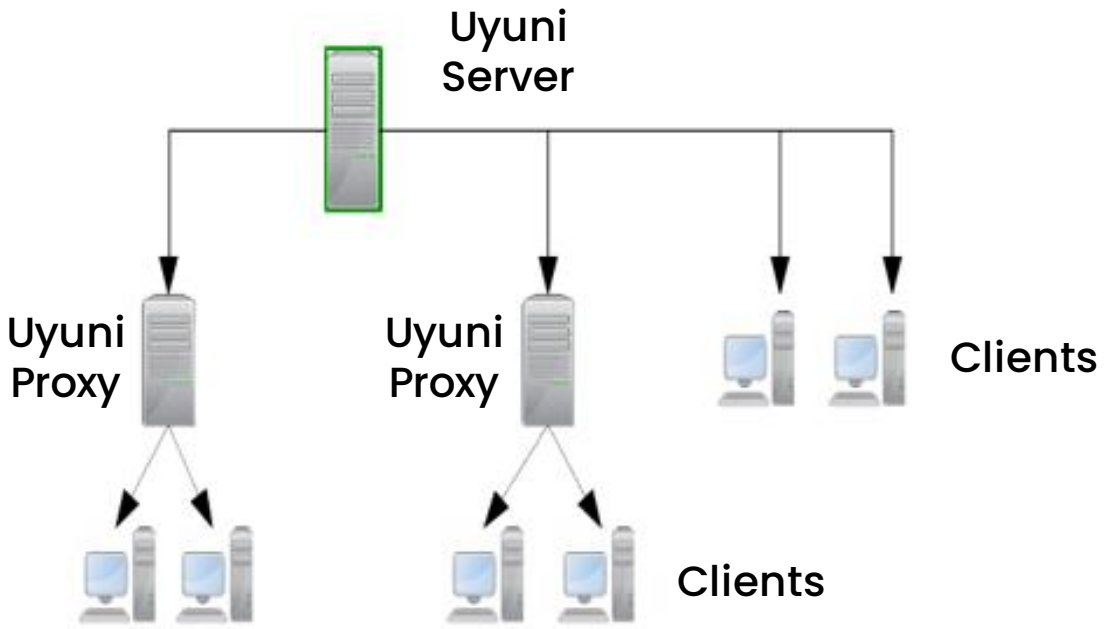
Uyuni Releases

- Rolling release design
- Goal is monthly, but not guaranteed
- Current release: 2023.04 - New 2023.09 coming
- Upgrades are supported (for stable release)
- Upstream for SUSE Manager >= 4.0 since June 2018
- Single-container podman install – coming very soon

Bring it to containers - podman

- Single-host, single container to start
- Chose podman as container runtime environment
  - Included in our distro and direction
  - Integrated with systemd
- Uyuni tools – uyuniadm, uyunictl
  - Provision standardized storage, networking
  - Installs and sets the systemd services
  - Allows for execution inside containerized serveer

Uyuni Architecture



Uyuni features you can use!

- Transparent integration with Salt from salt project
- Manage on-prem, cloud, hybrid cloud or multi-cloud systems
- Content Lifecycle Management: define stages (DEV, TEST, PROD) for your software channels and apply filters to add/remove contents and create new channels
- Drift control and recurring action schedulers
- Build OS (kiwi) and container images (docker)
- Compliance: CVE audit, SCAP, subscription matching (SUSE clients)
- Monitoring (Prometheus & Grafana stack), simple deploy, included dashboards

Manage the Linux you need

All your Linux...

- openSUSE Leap 15.X, micro
- SLES 12, 15
- SLE Micro 5.1, 5.2, 5.3, 5.4
- RHEL 7, 8, 9
- Oracle Linux 7, 8, 9
  - CentOS 7
  - SUSE Liberty 7, 8, 9
- Ubuntu 18.04, 20.04, 22.04
- Debian 10, 11, (12 coming soon)
- MicroFocus Open Enterprise Server 2018, 2023
- Amazon Linux 2
- Alma & Rocky Linux 8, 9
- Community-supported:
  - Alibaba Cloud Linux 2

Uyuni – Getting Started

- Installation guide:
  - https://www.uyuni-project.org/uyuni-docs/en/uyuni/quickstart/quickstart-install-uyuni-server.html
- Runs on openSUSE Leap (currently 15.4)
- Containerized version installs in 15 minutes! Guide coming soon…

Demo/Live Look-in

Q&A

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