



# Control your Linux world with Uyuni

Don Vosburg

Systems Management Enthusiast

[don@vosburgs.org](mailto:don@vosburgs.org)

Product Manager – SUSE Manager

[dvosburg@suse.com](mailto:dvosburg@suse.com)



# What is Uyuni?



- Scalable systems management solution
- Deploy and manage all kinds of workloads, wherever they are, from a single place
- Hardware and software inventories
- Configuration management: automatically maintain standard configurations
- Granular control over content delivery

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



# Uyuni Under the Covers

## Key open source projects

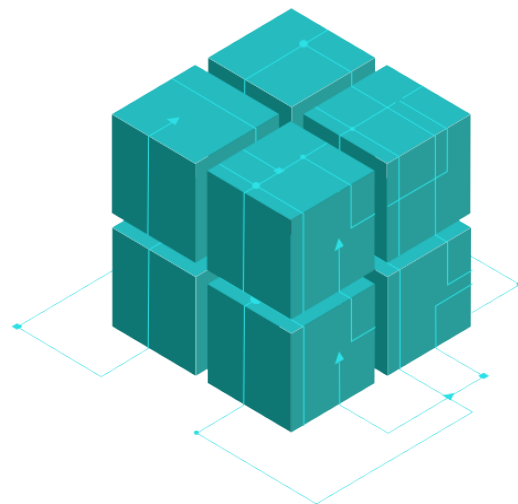
- Apache, tomcat, openjdk
- Postgresql
- Salt
- Prometheus/grafana



# 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
- Rolling-release
- Product import using CLI tool (vs wizard in SUSE Manager)
- All translations enabled by default (even community ones)



@UyuniProject



github.com/uyuni-project



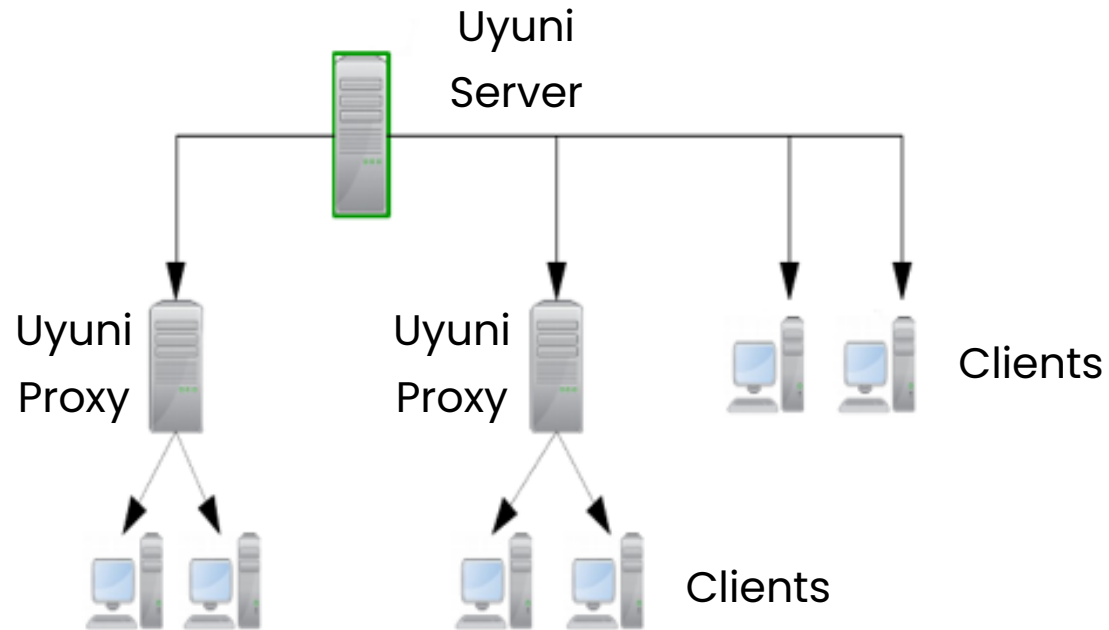
gitter.im/uyuni-project

Join Us at [uyuni-project.org](https://uyuni-project.org)

# Uyuni Releases

- Rolling release design
- Goal is monthly, but not guaranteed
- Current release: 2021.09 –New release due next week
- Upgrades are supported
- Upstream for SUSE Manager  $\geq 4.0$  since June 2018
- Development version available (and not tested)

# Uyuni Architecture



# Uyuni features you can use!

- Transparent integration with Salt
- 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
- Recurring actions
- Build OS (kiwi) and container images (docker)
- Compliance: CVE audit, SCAP, subscription matching
- Libvirt virtualization management
- Monitoring (Prometheus & Grafana stack), including federation
- Formulas with Forms: create YAML automation templates, no programming skills required!

Manage the Linux you  
need



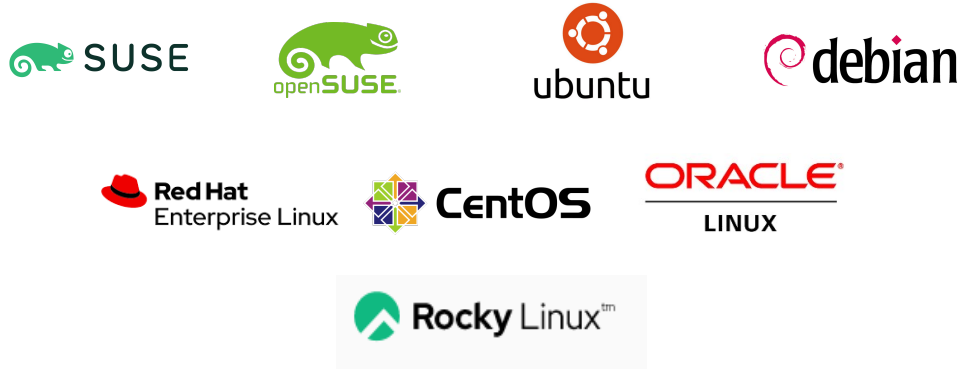


# Heterogeneous Linux environments

Interoperability unmatched!



Uyuni delivers support for these clients:



Recently added support for:

- Amazon Linux 2
- Alma Linux 8
- Rocky Linux 8



# Uyuni – Getting Started



Installation guide:

<https://www.uyuni-project.org/uyuni-docs/en/uyuni/quickstart-uyuni/install-uyuni-server.html>

Runs on openSUSE Leap (currently 15.3)

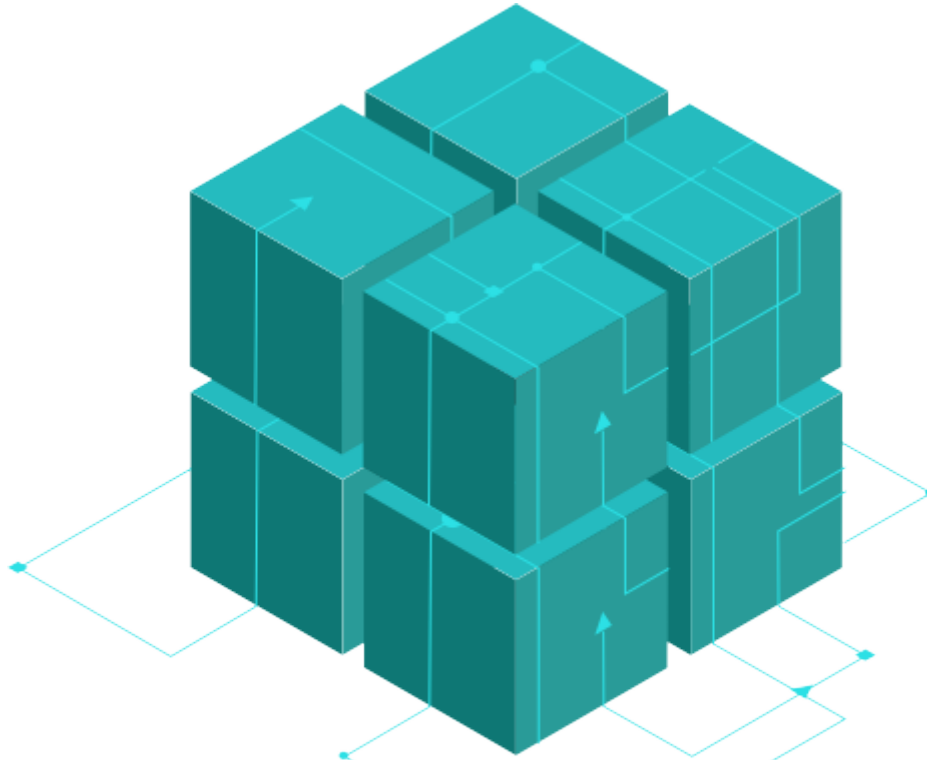
A wide-angle photograph of a vast wetland landscape. In the foreground and middle ground, numerous flamingos are wading in shallow, reddish-brown water. They are scattered across the frame, some standing alone and others in small groups. The water reflects the light, creating a shimmering effect. In the background, a flat, reddish-brown plain stretches out, dotted with more flamingos. Beyond this plain, a range of low, hazy mountains is visible under a clear sky. The overall scene is serene and captures a large gathering of these birds in their natural habitat.


# Demo




Q&A





 /uyuni-project

 /uyuni-project

 /UyuniProject

Join Us at [uyuni-project.org](https://uyuni-project.org)





## License

This slide deck is licensed under the Creative Commons Attribution-ShareAlike 4.0 International license.

It can be shared and adapted for any purpose (even commercially) as long as Attribution is given and any derivative work is distributed under the same license.

Details can be found at <https://creativecommons.org/licenses/by-sa/4.0/>

## General Disclaimer

This document is not to be construed as a promise by any participating organisation to develop, deliver, or market a product. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. openSUSE makes no representations or warranties with respect to the contents of this document, and specifically disclaims any express or implied warranties of merchantability or fitness for any particular purpose. The development, release, and timing of features or functionality described for openSUSE products remains at the sole discretion of openSUSE. Further, openSUSE reserves the right to revise this document and to make changes to its content, at any time, without obligation to notify any person or entity of such revisions or changes. All openSUSE marks referenced in this presentation are trademarks or registered trademarks of SUSE LLC, in the United States and other countries. All third-party trademarks are the property of their respective owners.

## Credits

Template & Design  
Pau Garcia Quiles

Inspiration  
openSUSE Design Team  
<http://opensuse.github.io/branding-guidelines/>