

Foreman, o projeto (Upstream) do Red Hat Satellite

ConFLOSS - Agosto de 2025

Waldirio M. Pinheiro (*PSME @ Red Hat Canada*)

Agenda

- Sobre
- Big Question
- Projeto vs Produto / Upstream vs Downstream
- Comparativo do RH Satellite vs Foreman Turbinado
- Sem Cobrança, Sem Custo, Upstream++
- Funcionalidades
- Jobs / Oportunidades

Sobre

Sobre

- Waldirio / Wally
- Casado (Linda Família)
- Brasileiro no Canadá desde 2018
- Apaixonado por Tecnologia/OpenSource, desde 1996
- Shadowman Tattoo
- Escritor do livro Spacewalk (Upstream do RH Satellite 5)
- Zona de Conforto. Fuja!
- Seja Humilde, lembre-se de suas raízes ... sempre
- Compartilhar é um ato de amor! [YouTube](#) & [LinkedIn](#)



Big Question

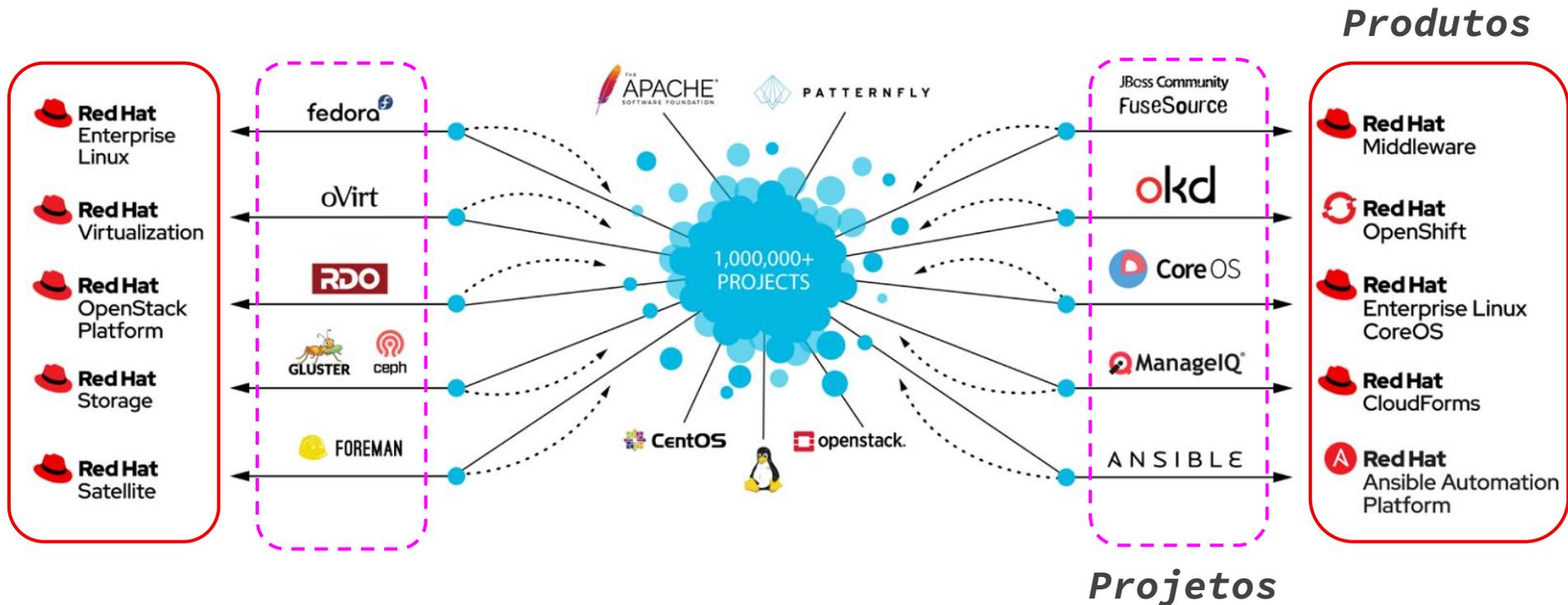
Big Question

Como posso aplicar para a vaga, se não tenho experiência?

Como posso ter experiência, se não tenho \$\$ para comprar uma subscrição (Satellite, OpenShift, ...)?

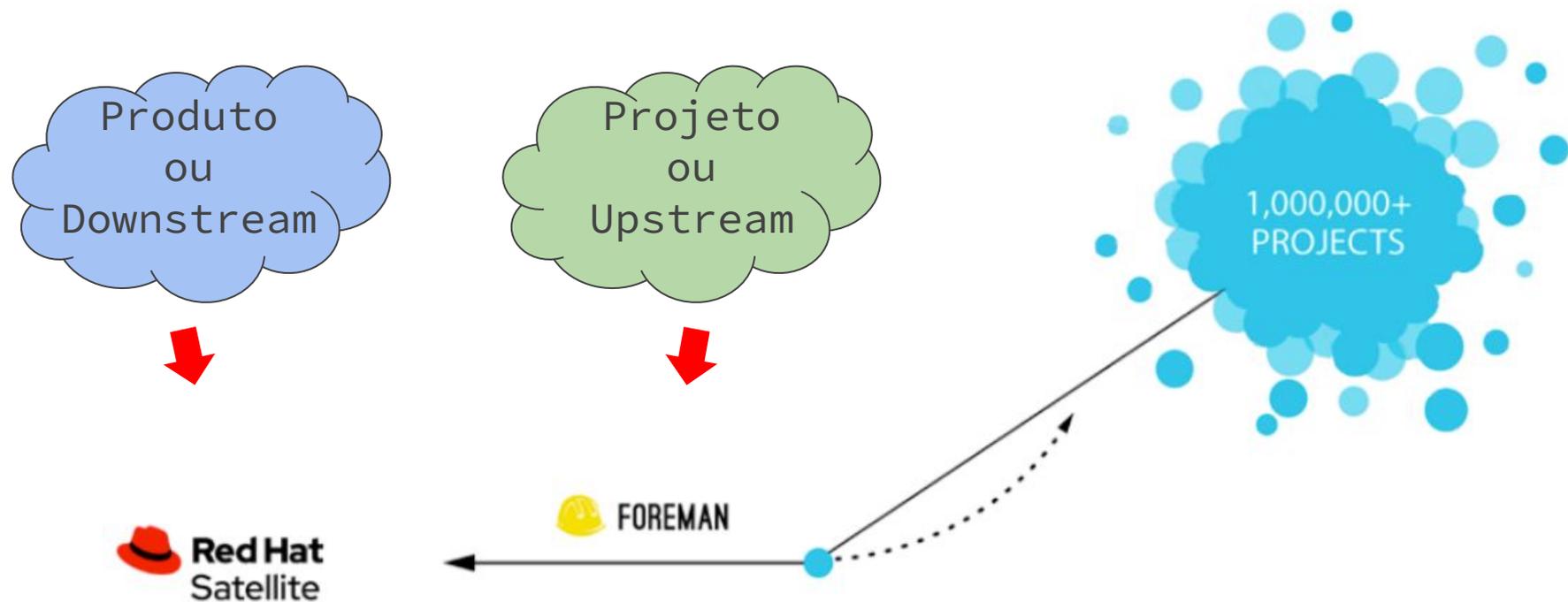
Projeto vs Produto / Upstream vs Downstream

Projeto vs Produto / Upstream vs Downstream

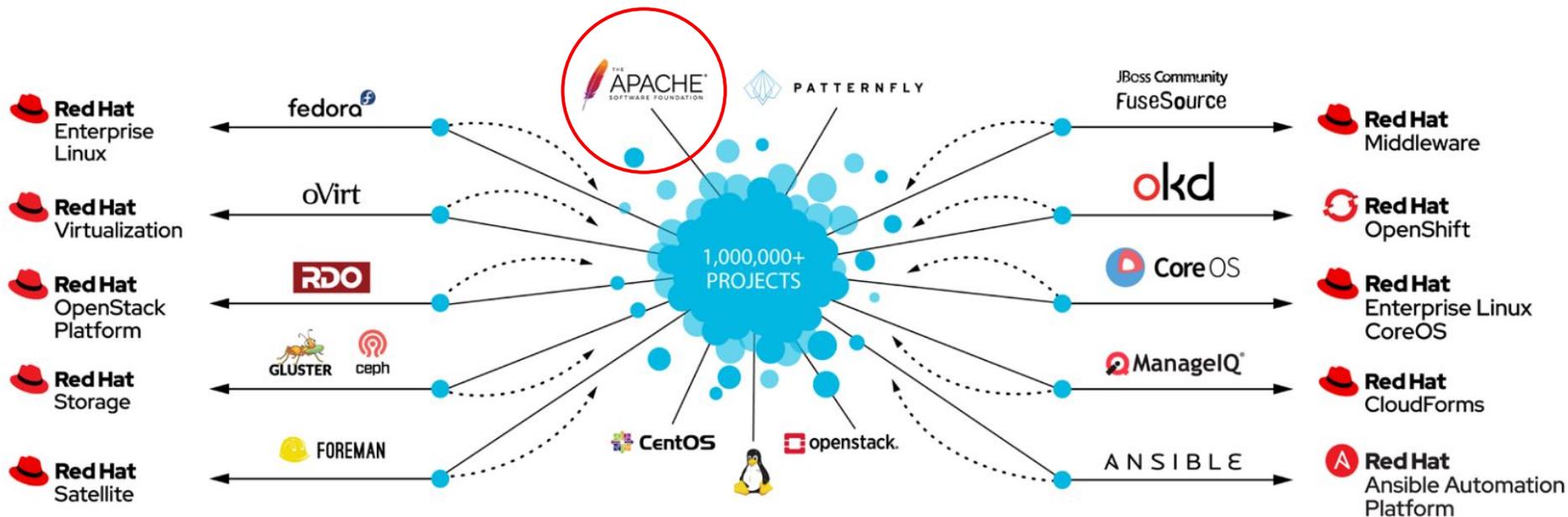


Projeto vs Produto / Upstream vs Downstream

-



Projeto vs Produto / Upstream vs Downstream



RH Satellite vs Foreman Turbinado

Comparativo do RH Satellite vs Foreman Turbinado



Red Hat Satellite

Welcome

Log in to your account

Version 6.17.2

Comparativo do RH Satellite vs Foreman Turbinado

Welcome

Log in to your account

Log In



FOREMAN

Version 3.15.0

Comparativo do RH Satellite vs Foreman Turbinado

The screenshot displays the Red Hat Satellite web interface. The top navigation bar shows the Red Hat Satellite logo, the organization name 'ACME', the location 'New West', and the user 'Admin User'. A search bar is located on the left side of the main content area. The main content area is titled 'Overview' and contains four data panels:

- Host Collections:** A table showing updates for three host collections.
- Sync Overview:** A table showing the status of synchronization for two products.
- Content Views:** A table showing the status of published content views.
- Latest Errata:** A table showing the latest security errata for various products.

Host Collections

| Updates | Name | Content Hosts |
|--------------------------------------|------------------|---------------|
| ■ | bash_hc | 2 |
| ■ | new_hc_bash_test | 2 |
| ■ | hc_video | 0 |

Sync Overview

| Product | Status | Finished |
|------------------------------|-------------------|--------------------|
| Red Hat Enterprise Linux ... | Syncing Complete. | about 13 hours ago |
| zabbix | Syncing Complete. | 17 days ago |

Content Views

| Content View | Task | Status |
|------------------------------------|-----------------------|-------------------------|
| ccv_acme_rhel8 3.0 | Published new version | Success on 15 Jul 15:41 |
| cv_rhel8 3.0 | Published new version | Success on 15 Jul 15:41 |
| ccv_acme_rhel8 2.0 | Published new version | Success on 15 Jul 15:40 |
| cv_rhel8 2.0 | Published new version | Success on 15 Jul 15:39 |
| cv_rhel9_new 1.0 | Published new version | Success on 09 Jun 16:33 |
| ccv_acme_rhel8 1.0 | Published new version | Success on 09 May 19:32 |

Latest Errata

| Type | Errata |
|----------|---|
| security | RHSA-2025:13604 (1 Host) |
| security | RHSA-2025:13602 (2 Hosts) |
| security | RHSA-2025:13589 (1 Host) |
| security | RHSA-2025:13598 (1 Host) |
| security | RHSA-2025:13429 (1 Host) |
| security | RHSA-2025:13428 (2 Hosts) |

Comparativo do RH Satellite vs Foreman Turbinado

The image displays two overlapping web dashboards. The background is the Red Hat Satellite interface, and the foreground is the Foreman Turbinado interface.

Red Hat Satellite (Background):

- Header: Red Hat Satellite, ACME, New West, Admin User.
- Left Sidebar: Monitor (Dashboard, Host Statuses, Facts, Audits, Jobs, Reports, Satellite Tasks), Content, Hosts, Insights, Configure, Infrastructure, Administer.
- Overview Panel: Search, Host Collect, Updates, Content View (ccv_acme_rhel8_3.0, cv_rhel8_3.0, ccv_acme_rhel8_2.0, cv_rhel8_2.0, cv_rhel9_new, ccv_acme_rhel9).

Foreman Turbinado (Foreground):

- Header: FOREMAN, Default Organization, Default Location, Admin User.
- Left Sidebar: Monitor (Dashboard, Host Statuses, Facts, Audits, Jobs, Reports, Foreman Tasks), Content, Hosts, Configure, Infrastructure, Administer.
- Overview Panel: Search, Generated at Aug 12, 04:56 PM, Manage, Documentation.
- New Hosts Table:**

| Host | Operating System | Owner | Created | Installed |
|-------------------------------|------------------|------------|--------------|-------------|
| foreman00-node01-ol9.king.lab | OracleLinux 9.5 | Admin User | 7 hours ago | 7 hours ago |
| foreman00-node02-ai9.king.lab | AlmaLinux 9.6 | Admin User | 7 hours ago | 1 hour ago |
| foreman00-node03-fedora42 | Fedora 42 | Admin User | 7 hours ago | 1 hour ago |
| foreman00.king.lab | CentOS Stream... | | 23 hours ago | N/A |

- Host Configuration Chart for All:** A donut chart showing 100% completion with the text "No report".
- Latest Errata Table:**

| Type | Errata |
|-------------|---------------------------------|
| bugfix | FEDORA-2025-dde3c4a0f1 (1 Host) |
| bugfix | FEDORA-2025-483b46505e (1 Host) |
| bugfix | FEDORA-2025-8a1344d33 (1 Host) |
| unspecified | FEDORA-2025-7c8a85ba08 (1 Host) |
| enhancement | FEDORA-2025-b8d5342e93 (1 Host) |
| unspecified | FEDORA-2025-7780629e7b (1 Host) |

- Sync Overview Table:**

| Product | Status | Finished |
|-------------|-------------------|--------------------|
| Fedora | Syncing Complete. | about 15 hours ago |
| OracleLinux | Syncing Complete. | about 15 hours ago |
| AlmaLinux | Syncing Complete. | about 15 hours ago |
| Zabbix | Syncing Complete. | about 15 hours ago |

Comparativo do RH Satellite vs Foreman Turbinado

- Red Hat Satellite
 - Subscricao
 - Base de Conhecimento
 - Atualizacoes
 - Profissionais para lhe prestar o suporte
 - SLA
 - Testado e Homologado (HW e SW)
 - Pronto para uso

Comparativo do RH Satellite vs Foreman Turbinado

- Foreman + Katello + Plugins adicionais (Turbinado)
 - Sem Subscricao, basta instalar e usar
 - 100% Comunidade
 - Fixes de acordo com a demanda e disponibilidade
 - Sem suporte
 - Sem SLA
 - Testes limitados ao projeto / componentes
 - Componentes instalados de acordo com o sysadmin

Comparativo do RH Satellite vs Foreman Turbinado

| | Satellite | Foreman |
|----------------------|---|---|
| Custo | Subscricao | Free of Charges |
| Fixes OnLine | Base de Conhecimento | 100% Comunidade |
| Patches/Fixes | Updates pela Red Hat | De acordo com a disponibilidade dos devs |
| Suporte | Red Hat | 100% Comunidade |
| SLA? | Sim | Sem SLA |
| Coverage | Testes Variados / HW / SW / etc | Testes limitados |
| Implementacao | Pronto para uso. A maioria dos componentes já instalados e prontos para uso. | Pronto para uso, com componentes basicos.O sysadmin pode adicionar os demais componentes <i>on-demand</i> . |

Sem Cobranca, Sem Custo, Upstream++

Sem Cobranca, Sem Custo, Upstream++

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Features

Who uses Foreman

Quickstart

Sponsors



<https://theforeman.org/>

FOREMAN

Foreman is a complete lifecycle management tool for physical and virtual servers. We give system administrators the power to easily automate repetitive tasks, quickly deploy applications, and proactively manage servers, on-premise or in the cloud.

GET STARTED

LEARN MORE

Latest versions: 3.15.0 / 3.14.0

Sem Cobranca, Sem Custo, Upstream++

Quickstart Guide

The Foreman installer is a collection of Puppet modules that installs everything required for a full working Foreman setup. It uses native OS packaging (e.g. RPM and .deb packages) and adds necessary configuration for the complete installation.

Components include the Foreman web UI, Smart Proxy, a Puppet server, and optionally TFTP, DNS and DHCP servers. It is configurable and the Puppet modules can be read or run in “no-op” mode to see what changes it will make.

The installation will require 4GB of memory, see [System Requirements](#) for more information.

Supported platforms

- Enterprise Linux 9, x86_64
- Debian 11 (Bullseye), amd64
- Debian 12 (Bookworm), amd64
- Ubuntu 22.04 (Jammy), amd64

Enterprise Linux

The Foreman packages and installer are tested on AlmaLinux 8, AlmaLinux 9, CentOS Stream 8 and CentOS Stream 9, but other RHEL derivatives can work because they're similar. Sometimes additional work may be needed. For any queries for these platforms raise a question in [discourse support section](#)

Installation

The [Foreman installer](#) uses Puppet (6 or later required) to install Foreman. This guide assumes that you have a newly installed operating system, on which the installer will setup Foreman, a Puppet server, and the [Smart Proxy](#) by default. It's not advisable to follow the steps below on an existing system, since the installer will affect the configuration of several components.

If you want to manage content (for example, RPMs, Kickstart trees, ISO and KVM images, OSTree content, and more) with Foreman please follow the [Katello](#) installation instructions. If you are a new user, ensure that you familiarize yourself with [Katello](#) and decide whether you want to use its features because installing Katello on top of an existing Foreman is unsupported. Note that you cannot install Katello on Debian systems.

Select operating system

To provide specific installation instructions, please select your operating system:

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- Debian 12 (Bookworm), amd64
- Ubuntu 22.04 (Jammy), amd64

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Sem Cobranca, Sem Custo, Upstream++

em ✓ -- select operating system --

Enterprise Linux 9

Debian 12 (Bookworm)

Ubuntu 22.04 (Jammy)

Sem Cobranca, Sem Custos, Upstream++

Select operating system

To provide specific installation instructions, please select your operating system:

Repositories

Enable Puppet's 8.x repository:

```
sudo dnf -y install https://yum.puppet.com/puppet8-release-el-9.noarch.rpm
```

Enable the Foreman repositories:

```
sudo dnf -y install https://yum.theforeman.org/releases/3.15/el9/x86_64/foreman-release.rpm
```

Downloading the installer

```
sudo dnf -y install foreman-installer
```

Running the installer

The installation run is non-interactive, but the configuration can be customized by supplying any of the options listed in `foreman-installer --help`, or by running `foreman-installer -i` for interactive mode. More examples are given in the [Installation Options](#) section. Adding `-v` will disable the progress bar and display all changes. To run the installer, execute:

```
sudo foreman-installer
```

After it completes, the installer will print some details about where to find Foreman and the Smart Proxy. Output should be similar to this:

```
* Foreman is running at https://theforeman.example.com
  Initial credentials are admin / 3ekw5xtyXCoXxS29
* Foreman Proxy is running at https://theforeman.example.com:8443
The full log is at /var/log/foreman-installer/foreman-installer.log
```

em ✓ -- select operat
Enterprise Linu
Debian 12 (Boo
Ubuntu 22.04 (

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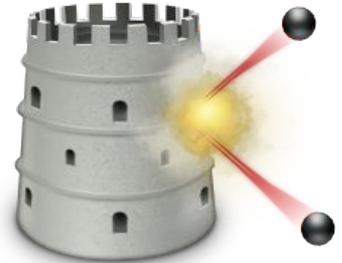
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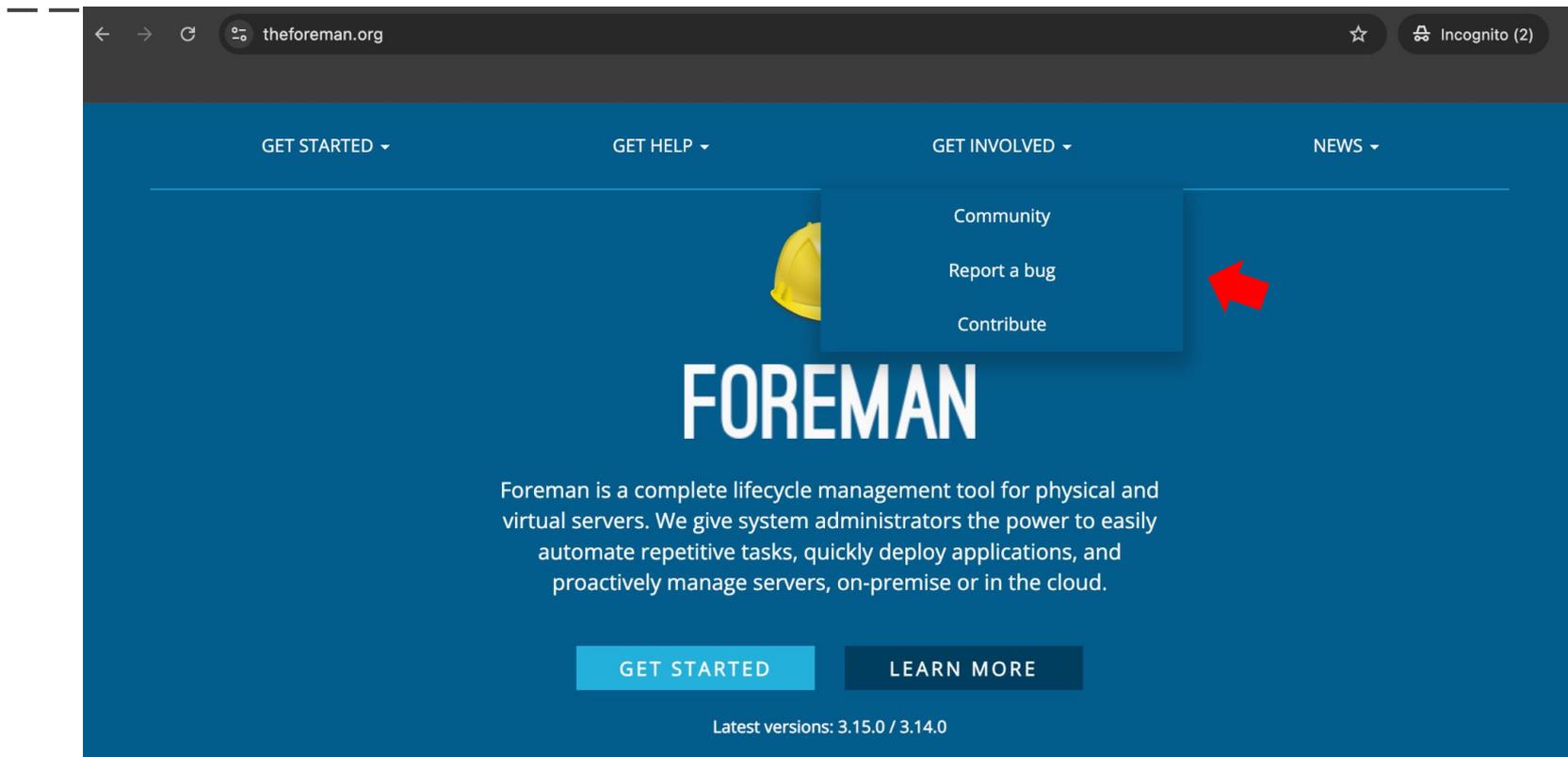
Sem Cobrança, Sem Custo, Upstream++

Contribua com o Projeto! Vocês serão muito bem vindos!



<https://theforeman.org/>
<https://github.com/theforeman/>

Sem Cobranca, Sem Custo, Upstream++



The screenshot shows the homepage of the Foreman project website. The browser's address bar displays "theforeman.org" and "Incognito (2)". The navigation menu includes "GET STARTED", "GET HELP", "GET INVOLVED", and "NEWS". The "GET INVOLVED" dropdown menu is open, showing "Community", "Report a bug", and "Contribute". A red arrow points to the "Report a bug" option. The main content area features a yellow hard hat icon, the word "FOREMAN" in large white letters, and a description of the tool. At the bottom, there are "GET STARTED" and "LEARN MORE" buttons, and a footer with the text "Latest versions: 3.15.0 / 3.14.0".

GET STARTED ▾ GET HELP ▾ GET INVOLVED ▾ NEWS ▾

Community
Report a bug
Contribute

FOREMAN

Foreman is a complete lifecycle management tool for physical and virtual servers. We give system administrators the power to easily automate repetitive tasks, quickly deploy applications, and proactively manage servers, on-premise or in the cloud.

GET STARTED LEARN MORE

Latest versions: 3.15.0 / 3.14.0

Funcionalidades

Gerenciamento de Conteúdo

Funcionalidades - Gerenciamento de Conteúdo

Sync Status

[Collapse All](#) [Expand All](#) [Select None](#) [Select All](#) Active only

| PRODUCT | START TIME | DURATION | DETAILS | RESULT |
|--|--------------------|--------------------|--|-------------------|
| ▼ Fedora | | | | |
| <input type="checkbox"/> 42_Updates | about 14 hours ago | 7 minutes | Added Rpms: 18485, Errata: 2517 | Syncing Complete. |
| <input type="checkbox"/> 42_Releases | about 14 hours ago | 20 minutes | Added Rpms: 76879 | Syncing Complete. |
| ▼ OracleLinux | | | | |
| <input type="checkbox"/> 9_BaseOS_Latest | about 14 hours ago | 6 minutes | Added Rpms: 12348, Errata: 1717 | Syncing Complete. |
| <input type="checkbox"/> 9_AppStream_Latest | about 14 hours ago | 13 minutes | Added Rpms: 27575, Modulemds: 92, Errata: 5214 | Syncing Complete. |
| ▼ AlmaLinux | | | | |
| <input type="checkbox"/> 9_AppStream x86_64 | about 14 hours ago | 3 minutes | Added Rpms: 7478, Modulemds: 23, Errata: 1037 | Syncing Complete. |
| <input type="checkbox"/> 9_BaseOS x86_64 | about 14 hours ago | 4 minutes | Added Rpms: 2248, Errata: 275 | Syncing Complete. |
| ▼ Zabbix | | | | |
| <input type="checkbox"/> 7.4_alma 9 x86_64 | about 14 hours ago | less than a minute | Added Rpms: 52 | Syncing Complete. |
| <input type="checkbox"/> 7.4_oracle 9 x86_64 | about 14 hours ago | 1 minute | Added Rpms: 52 | Syncing Complete. |

Funcionalidades - Gerenciamento de Conteúdo

Sync Status

Collapse All Expand All Select None

| PRODUCT | START TIME | DURATION | DETAILS |
|--|--------------------|--------------------|--|
| ▼ Fedora | | | |
| <input type="checkbox"/> 42_Updates | about 14 hours ago | 7 minutes | Added Rpms: 18485, Errata: 2517 |
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| <input type="checkbox"/> 9_AppStream_Latest | about 14 hours ago | 13 minutes | Added Rpms: 27575, Modulemds: 92, Errata: 5214 |
| ▼ AlmaLinux | | | |
| <input type="checkbox"/> 9_AppStream x86_64 | about 14 hours ago | 3 minutes | Added Rpms: 7478, Modulemds: 23, Errata: 1037 |
| <input type="checkbox"/> 9_BaseOS x86_64 | about 14 hours ago | 4 minutes | Added Rpms: 2248, Errata: 275 |
| ▼ Zabbix | | | |
| <input type="checkbox"/> 7.4_alma 9 x86_64 | about 14 hours ago | less than a minute | Added Rpms: 52 |
| <input type="checkbox"/> 7.4_oracle 9 x86_64 | about 14 hours ago | 1 minute | Added Rpms: 52 |

PRODUCT

▼ Fedora

42_Updates

42_Releases

▼ OracleLinux

9_BaseOS_Latest

9_AppStream_Latest

▼ AlmaLinux

9_AppStream x86_64

9_BaseOS x86_64

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7.4_alma 9 x86_64

7.4_oracle 9 x86_64

Funcionalidades - Gerenciamento de Conteúdo

Sync Status

| PRODUCT | START TIME |
|--|--------------------|
| ▼ Fedora | |
| <input type="checkbox"/> 42_Updates | about 14 hours ago |
| <input type="checkbox"/> 42_Releases | about 14 hours ago |
| ▼ OracleLinux | |
| <input type="checkbox"/> 9_BaseOS_Latest | about 14 hours ago |
| <input type="checkbox"/> 9_AppStream_Latest | about 14 hours ago |
| ▼ AlmaLinux | |
| <input type="checkbox"/> 9_AppStream x86_64 | about 14 hours ago |
| <input type="checkbox"/> 9_BaseOS x86_64 | about 14 hours ago |
| ▼ Zabbix | |
| <input type="checkbox"/> 7.4_alma 9 x86_64 | about 14 hours ago |
| <input type="checkbox"/> 7.4_oracle 9 x86_64 | about 14 hours ago |

DETAILS

Added Rpms: 18485, Errata: 2517

Added Rpms: 76879

Added Rpms: 12348, Errata: 1717

Added Rpms: 27575, Modulemds: 92, Errata: 5214

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PRODUCT

▼ Fedora

42_Updates

42_Releases

▼ OracleLinux

9_BaseOS_Latest

9_AppStream_Latest

▼ AlmaLinux

9_AppStream x86_64

9_BaseOS x86_64

▼ Zabbix

7.4_alma 9 x86_64

7.4_oracle 9 x86_64

Funcionalidades - Gerenciamento de Conteúdo

Custom Product

[Products](#) > [Custom Product](#) > [Repositories](#) > New Repository

Details **Repositories** Tasks

New Repository

Basic Information

Name

Label

Description

Type

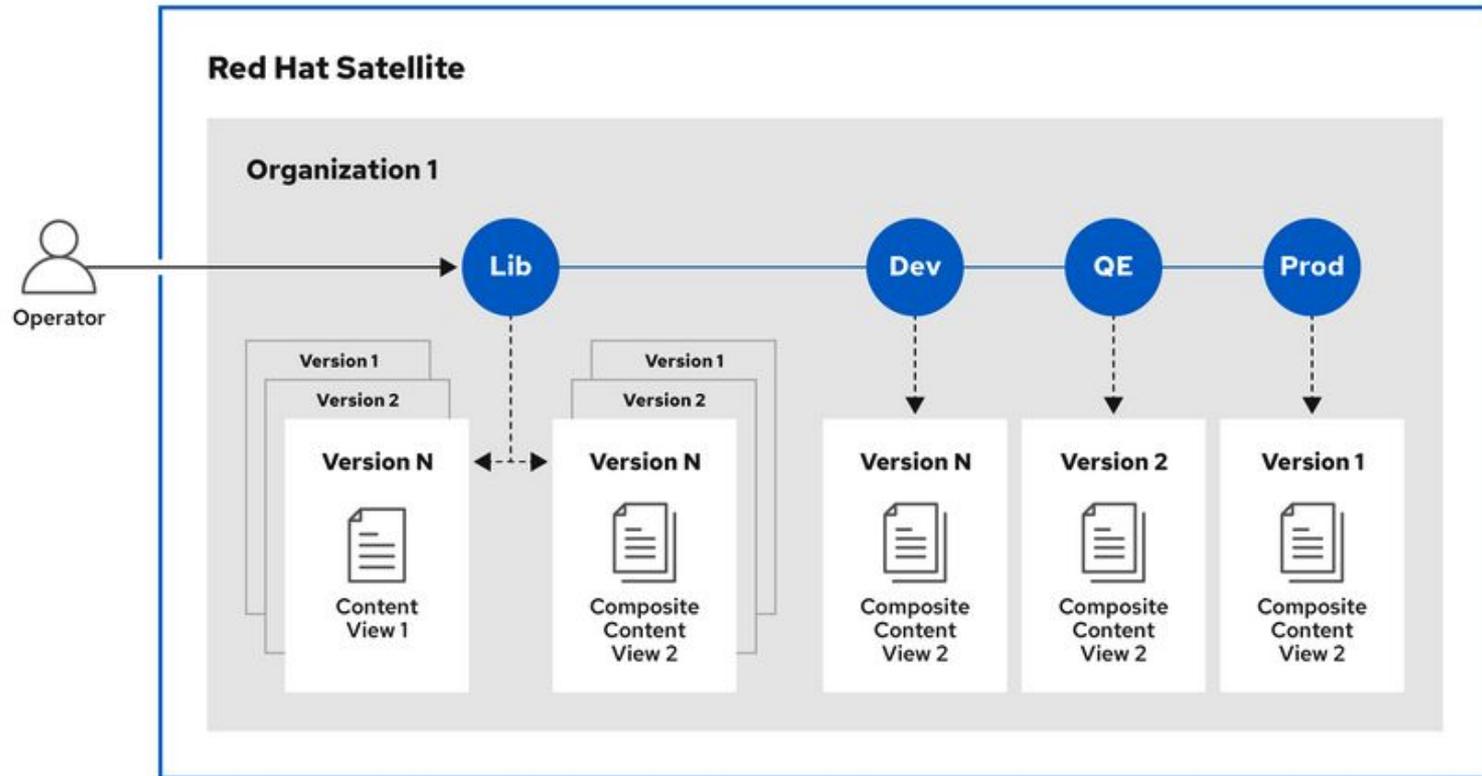
- ansible collection
- deb
- docker
- file
- python
- yum

Type

- ansible collection
- deb
- docker
- file
- python
- yum

Gerenciamento de Ciclo de Vida

Funcionalidades - Gerenciamento de Ciclo de Vida



Funcionalidades - Gerenciamento de Ciclo de Vida

Content views

4  Content views [?](#)

3  Composite content views [?](#)

0  Rolling content views [?](#)

Q Search



Create content view

1 - 7 of 7



| Type | Name  | Last published | Last task | Latest version | |
|---|---|-----------------------------|---|--|---|
| >  | ccv_alma_9_ACME  | August 12, 2025 at 08:38 AM |  about 7 hours ago | Version 1.0 Library DEV QA PROD |  |
| >  | ccv_fedora_42_ACME | August 12, 2025 at 08:40 AM |  about 7 hours ago | Version 1.0 Library DEV QA PROD |  |
| >  | ccv_ol_9_ACME | August 12, 2025 at 08:39 AM |  about 7 hours ago | Version 1.0 Library DEV QA PROD |  |
| >  | cv_3rd_party  | August 12, 2025 at 08:36 AM |  about 7 hours ago | Version 1.0 Library |  |
| >  | cv_almalinux_9_latest | August 12, 2025 at 08:35 AM |  about 7 hours ago | Version 1.0 Library |  |
| >  | cv_fedora_42 | August 12, 2025 at 08:33 AM |  about 7 hours ago | Version 1.0 Library |  |
| >  | cv_oraclelinux_9_latest | August 12, 2025 at 08:35 AM |  about 7 hours ago | Version 1.0 Library |  |

Funcionalidades - Gerenciamento de Ciclo de Vida

Content views

4 Content views

3 Composite content views

| | | | | | | |
|---|---|---------------------------------|-----------------------------|---------------------|-------------|---|
| > |  | ccv_alma_9_ACME | August 12, 2025 at 08:38 AM | ✔ about 7 hours ago | Version 1.0 | Library DEV QA PROD |
|---|---|---------------------------------|-----------------------------|---------------------|-------------|---|

Type Name ↑ Last published Last task Latest version

| | | | | | | |
|---|---|---|-----------------------------|---------------------|-------------|-------------------------|
| > |  | cv_almalinux_9_latest  | August 12, 2025 at 08:35 AM | ✔ about 7 hours ago | Version 1.0 | Library |
|---|---|---|-----------------------------|---------------------|-------------|-------------------------|

| | | | | | | |
|---|---|---|-----------------------------|---------------------|-------------|---|
| > |  | ccv_fedora_42_ACME | August 12, 2025 at 08:40 AM | ✔ about 7 hours ago | Version 1.0 | Library DEV QA PROD |
| > |  | ccv_ol_9_ACME | August 12, 2025 at 08:39 AM | ✔ about 7 hours ago | Version 1.0 | Library DEV QA PROD |
| > |  | cv_3rd_party | August 12, 2025 at 08:36 AM | ✔ about 7 hours ago | Version 1.0 | Library |
| > |  | cv_almalinux_9_latest | August 12, 2025 at 08:35 AM | ✔ about 7 hours ago | Version 1.0 | Library |
| > |  | cv_fedora_42 | August 12, 2025 at 08:33 AM | ✔ about 7 hours ago | Version 1.0 | Library |
| > |  | cv_oraclelinux_9_latest | August 12, 2025 at 08:35 AM | ✔ about 7 hours ago | Version 1.0 | Library |

Funcionalidades - Gerenciamento de Ciclo de Vida

cv_almalinux_9_latest 

[Publish new version](#)

[View tasks !\[\]\(33f7dade4ec1da09e094eb952220d5b4_img.jpg\)](#)



[Details](#) [Versions](#) [Repositories](#) [Filters](#) [History](#)

 1-1 of 1

| Version | Environments | Packages | Errata | Additional content | Description |
|--|---|----------------------|--|-----------------------------------|--|
| <input type="checkbox"/> Version 1.0 | Library about 7 hours ago | 9711 | 1097 ( 1096,  1,  0) | 23 Module streams | No description  |

Funcionalidades - Gerenciamento de Ciclo de Vida

cv_almaLinux_9_latest

Publish new version

View tasks

Details **Versions** Repositories Filters History

Version 1.0

Promote

No description

Library

Repositories 2

RPM Packages 9711

RPM Package Groups 97

Errata 1097

Module Streams 23

Search

1 - 2 of 2

| Name | Type | Product | Content |
|------------------------------------|------|-----------|--|
| 9_AppStream x86_64 | Yum | AlmaLinux | 7478 RPM packages 23 Module streams 1037 Errata 63 Package groups |
| 9_BaseOS x86_64 | Yum | AlmaLinux | 2248 RPM packages 275 Errata 34 Package groups |

Funcionalidades - Gerenciamento de Ciclo de Vida

cv_almaLinux_9_latest

[Publish new version](#)

[View tasks](#)

Repositories 2

RPM Packages 9711

RPM Package Groups 97

Errata 1097

Module Streams 23

Search



1 - 2 of 2



Name

Type

Product

Content

[9_AppStream x86_64](#)

Yum

AlmaLinux

7478 RPM packages
23 Module streams
1037 Errata
63 Package groups

[9_BaseOS x86_64](#)

Yum

AlmaLinux

2248 RPM packages
275 Errata
34 Package groups

Errata 1097

[9_BaseOS x86_64](#)

Yum

AlmaLinux

2248 RPM packages
275 Errata
34 Package groups

Module Streams 23

Funcionalidades - Gerenciamento de Ciclo de Vida

Content views

4 Content views

3 Composite content views

| | | | | | | |
|------|---|---------------------------------|-----------------------------|---------------------|-------------|---|
| > |  | ccv_alma_9_ACME | August 12, 2025 at 08:38 AM | ✔ about 7 hours ago | Version 1.0 | Library DEV QA PROD |
| Type | Name ↑ | Last published | Last task | Latest version | | |



| | | | | | | |
|---|---|---------------------------------------|-----------------------------|---------------------|-------------|-------------------------|
| > |  | cv_almalinux_9_latest | August 12, 2025 at 08:35 AM | ✔ about 7 hours ago | Version 1.0 | Library |
|---|---|---------------------------------------|-----------------------------|---------------------|-------------|-------------------------|

| | | | | | | |
|---|---|--|-----------------------------|---------------------|-------------|---|
| > |  | ccv_fedora_42_ACME | August 12, 2025 at 08:40 AM | ✔ about 7 hours ago | Version 1.0 | Library DEV QA PROD |
| > |  | ccv_oraclelinux_9_latest | August 12, 2025 at 08:39 AM | ✔ about 7 hours ago | Version 1.0 | Library DEV QA PROD |
| > |  | cv_3rd_party | August 12, 2025 at 08:36 AM | ✔ about 7 hours ago | Version 1.0 | Library |
| > |  | cv_almalinux_9_latest | August 12, 2025 at 08:35 AM | ✔ about 7 hours ago | Version 1.0 | Library |
| > |  | cv_fedora_42 | August 12, 2025 at 08:33 AM | ✔ about 7 hours ago | Version 1.0 | Library |
| > |  | cv_oraclelinux_9_latest | August 12, 2025 at 08:35 AM | ✔ about 7 hours ago | Version 1.0 | Library |

Funcionalidades - Gerenciamento de Ciclo de Vida

ccv_alma_9_ACME 🏠

[Publish new version](#)

[View tasks](#) ↗

[Details](#) [Versions](#) [Content views](#) [History](#)

▾ → ⋮ 1-1 of 1 ▾ < >

| Version | Environments | Packages | Errata | Additional content | Description |
|--|--|----------|------------------------|-----------------------------------|----------------|
| <input type="checkbox"/> Version 1.0 | Library about 7 hours ago DEV about 7 hours ago QA about 7 hours ago PROD about 7 hours ago | 9815 | 1097 (1096, 1, 0) | 23 Module streams | No description |

Funcionalidades - Gerenciamento de Ciclo de Vida

ccv_alma_9_ACME 🐞

Publish new version

View tasks [↗](#)

Details **Versions** Content views History

Version 1.0

Promote

No description 

Library

DEV

QA

PROD

Components 2

Repositories 4

RPM Packages 9815

RPM Package Groups 97

Errata 1097

Module Streams 23

1 - 2 of 2  

| Content View Name | Version | Updated |
|---------------------------------------|---------|-----------------------------|
| cv_3rd_party | 1.0 | August 12, 2025 at 08:37 AM |
| cv_almaLinux_9_latest | 1.0 | August 12, 2025 at 08:36 AM |

1 - 2 of 2 items   1 of 1  

Funcionalidades - Gerenciamento de Ciclo de Vida

ccv_alma_9_ACME ☁

[Publish new version](#)

[View tasks](#)

Components 2

Repositories 4

RPM Packages 9815

RPM Package Groups 97

Errata 1097

Module Streams 23

1 - 2 of 2 ▾ < >

Content View Name

Version

Updated

[cv_3rd_party](#)

1.0

August 12, 2025 at 08:37 AM

[cv_almalinux_9_latest](#)

1.0

August 12, 2025 at 08:36 AM

1 - 2 of 2 items ▾ << < 1 of 1 > >>

Funcionalidades - Gerenciamento de Ciclo de Vida

Lifecycle Environment Paths

[+ Create Environment Path](#)

| | | | | | | |
|-------------------------|--------------------|---------------|-----------------------|--------------------|----------------|-----------------------|
| Library | Content Views 7 | Products 5 | Yum Repositories 8 | Packages 145091 | Errata 9677 | Module Streams 115 |
|-------------------------|--------------------|---------------|-----------------------|--------------------|----------------|-----------------------|



[+ Add New Environment](#)

| | DEV | QA | PROD |
|---------------|---------------------|--------------------|----------------------|
| Content Views | 3 | 3 | 3 |
| Content Hosts | 2 | 1 | 0 |



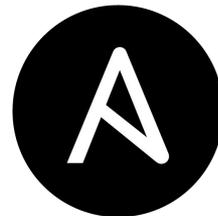
<https://www.youtube.com/watch?v=gWyS1zpnRAY>

Gerenciamento de Configuração

Funcionalidades - Gerenciamento de Configuração



puppet



ANSIBLE

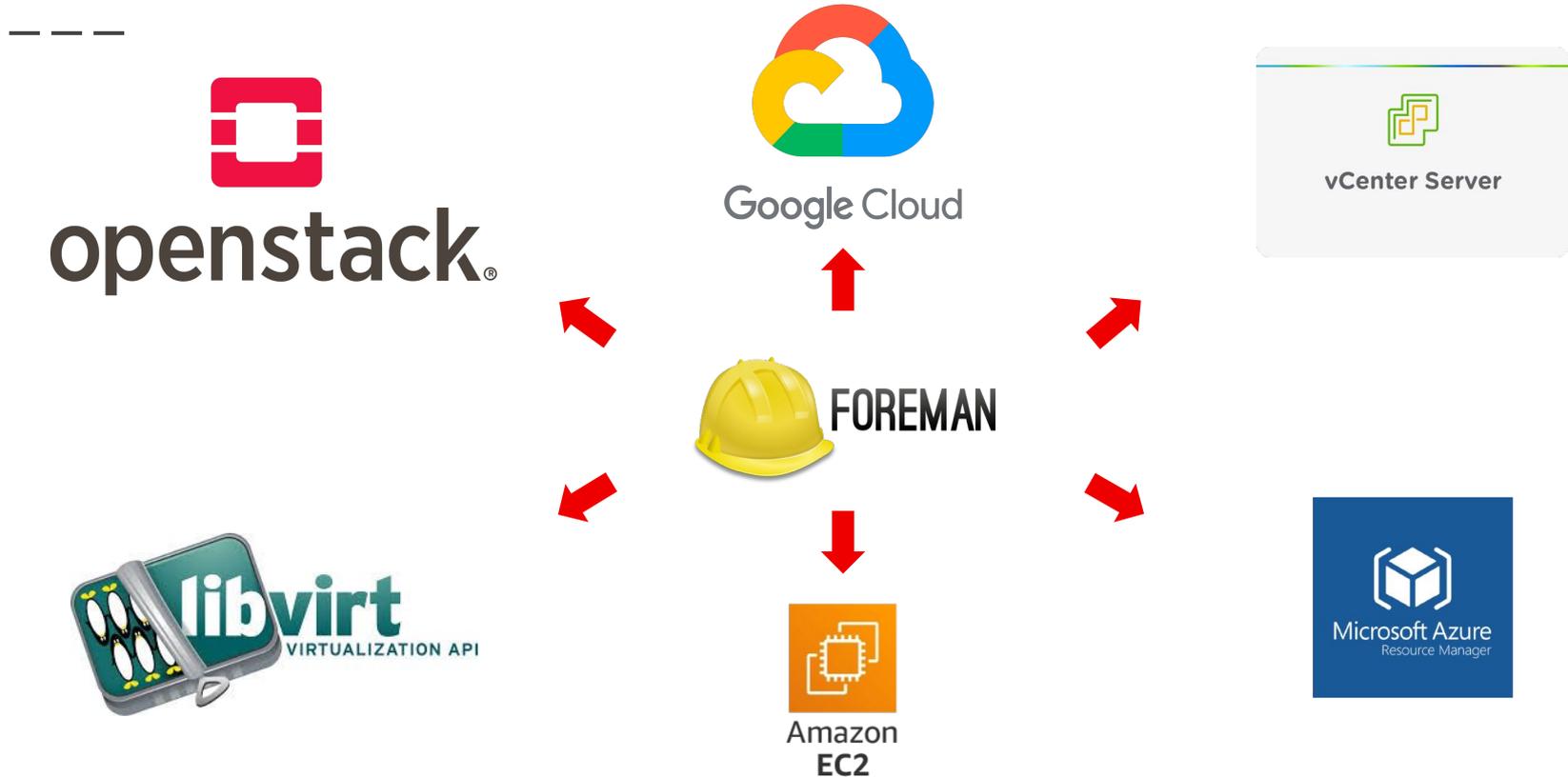
Provisionamento

Funcionalidades - Provisionamento

- Cenários diferenciados, como por exemplo:
 - DHCP e DNS Interno
 - DHCP e DNS Externo
 - FDI (Foreman Discovery Image) via ISO ou PXE
 - ISO personalizada para um servidor
 - Baremetal e VM
 - Provisionamento via Capsule Server
 - Personalização pos provisionamento (callback ou custom provisioning templates)

Integracao via Compute Resources

Funcionalidades - Integracao via Compute Resources



Compliance usando OpenSCAP

Funcionalidades - Compliance usando OpenSCAP

SCAP Contents

Search →  

[Upload New SCAP Content](#) [? Documentation](#)

| Title | File name | Created at | Actions |
|-----------------------------------|-----------------------|--------------------|--|
| ssg-almalinux9-ds | ssg-almalinux9-ds.xml | 11 minutes ago | Download  |
| ssg-fedora-ds | ssg-fedora-ds.xml | about 14 hours ago | Download  |
| ssg-ol9-ds | ssg-ol9-ds.xml | 11 minutes ago | Download  |

1 - 3 of 3 items    **1** of 1  

Funcionalidades - Compliance usando OpenSCAP

Compliance Policies

 → 🔖 ▼[New Compliance Policy](#) [? Documentation](#)

| Name | Content | Profile | Tailoring File | Effective Profile | Actions |
|----------------------------|-----------------------------------|--|----------------|--|-----------------------------|
| alma-PCI | ssg-almalinux9-ds | PCI-DSS v4.0.1 Control Baseline for AlmaLinux OS 9 | None | PCI-DSS v4.0.1 Control Baseline for AlmaLinux OS 9 | Dashboard ▼ |
| fedora-PCI | ssg-fedora-ds | PCI-DSS v3.2.1 Control Baseline for Fedora | None | PCI-DSS v3.2.1 Control Baseline for Fedora | Dashboard ▼ |
| ol-pci | ssg-ol9-ds | PCI-DSS v4.0 Control Baseline for Oracle Linux 9 | None | PCI-DSS v4.0 Control Baseline for Oracle Linux 9 | Dashboard ▼ |

1 - 3 of 3 items ◀ ▶ 1 of 1 ▶▶

Funcionalidades - Compliance usando OpenSCAP

— — —

Compliance Reports

→ 🔖 ▼ Delete reports

| <input type="checkbox"/> | Host | Reported At | Policy | Openscap Proxy | Passed | Failed | Other | Actions |
|--------------------------|---------------------------------|------------------------|------------|--------------------|--------|--------|-------|---------------|
| <input type="checkbox"/> | ⊗ foreman00-node01-ol9.king.lab | less than a minute ago | ol-pci | foreman00.king.lab | 113 | 121 | 2 | Full Report ▼ |
| <input type="checkbox"/> | ⊗ foreman00-node02-al9.king.lab | 1 minute ago | alma-PCI | foreman00.king.lab | 109 | 126 | 2 | Full Report ▼ |
| <input type="checkbox"/> | ⊗ foreman00-node03-fedora42 | 2 minutes ago | fedora-PCI | foreman00.king.lab | 36 | 74 | 1 | Full Report ▼ |

1 - 3 of 3 items ◀ < 1 of 1 > ▶

<https://www.youtube.com/watch?v=gAHDopMVN8A>

Funcionalidades - Compliance usando OpenSCAP

Compliance Reports > foreman00-node01-ol9.king.lab

Show log messages:

All messages

Back

Delete

Host details

View full report

Download XML in bzip

Download HTML

Reported at Aug 14, 07:36 AM for policy [ol-pci](#) through [foreman00.king.lab](#)

| Result | Message | Resource | Severity | Actions |
|--------|--|--|---|--|
| pass | Verify File Hashes with RPM 🔗 | xccdf_org.ssgproject.content_rule_rpm_verify_hashes |  | Hosts failing this rule ▾ |
| pass | Verify and Correct Ownership with RPM 🔗 | xccdf_org.ssgproject.content_rule_rpm_verify_ownership |  | Hosts failing this rule ▾ |
| fail | Install AIDE 🔗 | xccdf_org.ssgproject.content_rule_package_aide_installed |  | Hosts failing this rule ▾ |
| fail | Build and Test AIDE Database 🔗 | xccdf_org.ssgproject.content_rule_aide_build_database |  | Hosts passing this rule Hosts othering this rule Remediation |

Funcionalidades - Compliance usando OpenSCAP

The screenshot shows a web-based interface for reviewing remediation actions. The title bar reads "Install AIDE" with a close button. Below the title bar, the rule being remediated is identified as "Remediate xccdf_org.ssgproject.content_rule_package_aid_installed rule".

A sidebar on the left contains a progress indicator with three steps: "1 Select snippet", "2 Review hosts", and "3 Review remediation" (which is currently selected).

The main content area is titled "Review remediation" and includes the instruction: "Review the remediation snippet that will be applied to selected host(s)."

A prominent warning box states: "Do not implement any of the recommended remedial actions or scripts without first testing them in a non-production environment. Remediation might render the system non-functional."

Below the warning, there are three links: "View selected hosts", "foreman00-node03-fedora42", and "Other hosts failing this rule".

A code editor at the bottom shows the following remediation snippet:

```
# Remediation is applicable only in certain platforms
if rpm --quiet -q kernel || rpm --quiet -q kernel-uek; then
```

At the bottom of the interface, there are three buttons: "Run" (highlighted in blue), "Back", and "Cancel".

Funcionalidades - Compliance usando OpenSCAP

Install AIDE

Remediate xccdf_org.ssgp

- 1 Select snippet
- 2 Review hosts
- 3 Review remediation

```
# Remediation is applicable only in certain platforms
if rpm --quiet -q kernel || rpm --quiet -q kernel-uek; then

if ! rpm -q --quiet "aide" ; then
    yum install -y "aide"
fi

else
    >&2 echo 'Remediation is not applicable, nothing was done'
fi
```

Funcionalidades - Compliance usando OpenSCAP

Compliance Reports > foreman00-node01-ol9.king.lab

Compliance and Scoring

The target system did not satisfy the conditions of 121 rules! Please review rule results and consider applying remediation.

Rule results



Severity of failed rules



Score

| Scoring system | Score | Maximum | Percent |
|---------------------------|-----------|------------|---|
| urn:xccdf:scoring:default | 64.189674 | 100.000000 |  64.19% |

Rule Overview

- pass
- fail
- notchecked
- fixed
- error
- notapplicable
- informational
- unknown

Search through XCCDF rules Search

Group rules by:

Funcionalidades - Compliance usando OpenSCAP

Compliance Reports > foreman00-node01-ol9.king.lab

| Title | Severity | Result |
|---|----------|-------------|
| ▼ Guide to the Secure Configuration of Oracle Linux 9 121x fail 2x notchecked | | |
| ▼ System Settings 48x fail 2x notchecked | | |
| ▼ Installing and Maintaining Software 7x fail 1x notchecked | | |
| ▼ System and Software Integrity 3x fail | | |
| ▼ Software Integrity Checking 3x fail | | |
| ▶ Verify Integrity with RPM | | |
| ▼ Verify Integrity with AIDE 3x fail | | |
| Install AIDE | medium | fail |
| Build and Test AIDE Database | medium | fail |
| Configure Periodic Execution of AIDE | medium | fail |

Funcionalidades - Compliance usando OpenSCAP

Compliance Reports > foreman00--node01-ol9.king.lab

Install AIDE



| | |
|--------------------|--|
| Rule ID | xccdf_org.ssgproject.content_rule_package_aide_installed |
| Result | fail |
| Multi-check rule | no |
| OVAL Definition ID | oval:ssg-package_aide_installed:def:1 |
| Time | 2025-08-14T07:36:12-08:00 |
| Severity | medium |

References:

| | |
|--------------------------------|--|
| cls-csc | 1, 11, 12, 13, 14, 15, 16, 2, 3, 5, 7, 8, 9 |
| cjls | 5.10.1.3 |
| cobit5 | APO01.06, BAI01.06, BAI02.01, BAI03.05, BAI06.01, BAI10.01, BAI10.02, BAI10.03, BAI10.05, DSS01.03, DSS03.05, DSS04.07, DSS05.02, DSS05.03, DSS05.05, DSS05.07, DSS06.02, DSS06.06 |
| isa-62443-2009 | 4.3.4.3.2, 4.3.4.3.3, 4.3.4.4.4 |
| isa-62443-2013 | SR 3.1, SR 3.3, SR 3.4, SR 3.8, SR 4.1, SR 6.2, SR 7.6 |
| ism | 1034, 1288, 1341, 1417 |
| iso27001-2013 | A.11.2.4, A.12.1.2, A.12.2.1, A.12.4.1, A.12.5.1, A.12.6.2, A.14.1.2, A.14.1.3, A.14.2.2, A.14.2.3, A.14.2.4, A.14.2.7, A.15.2.1, A.8.2.3 |
| nist | CM-6(a) |

Funcionalidades - Compliance usando OpenSCAP

Compliance Reports > foreman00-node01-ol9.king.lab

Install AIDE

| | |
|--------------------|--|
| Rule ID | xccdf_org.ssgproject.content_rule_package_aide_installed |
| Result | fail |
| Multi-check rule | no |
| OVAL Definition ID | oval:ssg-package_aide_installed:def:1 |
| Time | 2025-08-14T07:36:12-08:00 |
| Severity | medium |

References:

| | |
|----------------|--|
| cls-csc | 1, 11, 12, 13, 14, 15, 16, 2, 3, 5, 7, 8, 9 |
| cjls | 5.10.1.3 |
| cobit5 | APO01.06, BAI01.06, BAI02.01, BAI03.05, BAI06.01, BAI10.01, DSS03.05, DSS04.07, DSS05.02, DSS05.03, DSS05.05, DSS05.06 |
| isa-62443-2009 | 4.3.4.3.2, 4.3.4.3.3, 4.3.4.4.4 |
| isa-62443-2013 | SR 3.1, SR 3.3, SR 3.4, SR 3.8, SR 4.1, SR 6.2, SR 7.6 |
| ism | 1034, 1288, 1341, 1417 |
| iso27001-2013 | A.11.2.4, A.12.1.2, A.12.2.1, A.12.4.1, A.12.5.1, A.12.6.2, A.14.1.1, A.14.1.2, A.14.1.3, A.14.1.4, A.14.1.5, A.14.1.6, A.14.1.7, A.14.1.8, A.14.1.9, A.14.1.10, A.14.1.11, A.14.1.12, A.14.1.13, A.14.1.14, A.14.1.15, A.14.1.16, A.14.1.17, A.14.1.18, A.14.1.19, A.14.1.20, A.14.1.21, A.14.1.22, A.14.1.23, A.14.1.24, A.14.1.25, A.14.1.26, A.14.1.27, A.14.1.28, A.14.1.29, A.14.1.30, A.14.1.31, A.14.1.32, A.14.1.33, A.14.1.34, A.14.1.35, A.14.1.36, A.14.1.37, A.14.1.38, A.14.1.39, A.14.1.40, A.14.1.41, A.14.1.42, A.14.1.43, A.14.1.44, A.14.1.45, A.14.1.46, A.14.1.47, A.14.1.48, A.14.1.49, A.14.1.50, A.14.1.51, A.14.1.52, A.14.1.53, A.14.1.54, A.14.1.55, A.14.1.56, A.14.1.57, A.14.1.58, A.14.1.59, A.14.1.60, A.14.1.61, A.14.1.62, A.14.1.63, A.14.1.64, A.14.1.65, A.14.1.66, A.14.1.67, A.14.1.68, A.14.1.69, A.14.1.70, A.14.1.71, A.14.1.72, A.14.1.73, A.14.1.74, A.14.1.75, A.14.1.76, A.14.1.77, A.14.1.78, A.14.1.79, A.14.1.80, A.14.1.81, A.14.1.82, A.14.1.83, A.14.1.84, A.14.1.85, A.14.1.86, A.14.1.87, A.14.1.88, A.14.1.89, A.14.1.90, A.14.1.91, A.14.1.92, A.14.1.93, A.14.1.94, A.14.1.95, A.14.1.96, A.14.1.97, A.14.1.98, A.14.1.99, A.14.1.100 |
| nist | CM-6(a) |

Remediation Shell script ↘

Remediation Ansible snippet ↘

Remediation Puppet snippet ↘

Remediation Anaconda snippet ↘

Remediation OSBuild Blueprint snippet ↘

Gerenciamento de Servidores Linux

Funcionalidades - Gerenciamento de Servidores Linux

Gerenciamento de Servidores Linux



Funcionalidades - Gerenciamento de Servidores Linux

— — —

Hosts

🔍 Search



Select Action ▾

Export

Register Host

New UI

Create Host

0 of 4 selected

| <input type="checkbox"/> | Power | Name | OS | Owner | Host group | Boot time | Last report | Comm... | Actions |
|--------------------------|-------|---------------------------------|-------------------|-------------|------------|--------------|-------------|---------|---------|
| <input type="checkbox"/> | 🔌 | ✔️ foreman00.king.lab | 🌈 CentOS Stream 9 | | | 23 hours ago | | | Edit ▾ |
| <input type="checkbox"/> | 🔌 | ❌ foreman00-node01-ol9.king.lab | 🔴 OracleLinux 9.5 | 👤 Admin ... | | 7 hours ago | | | Edit ▾ |
| <input type="checkbox"/> | 🔌 | ❌ foreman00-node02-al9.king.lab | 🌈 AlmaLinux 9.6 | 👤 Admin ... | | 7 hours ago | | | Edit ▾ |
| <input type="checkbox"/> | 🔌 | ❌ foreman00-node03-fedora42 | 📘 Fedora 42 | 👤 Admin ... | | 7 hours ago | | | Edit ▾ |

Funcionalidades - Gerenciamento de Servidores Linux

| <input type="checkbox"/> | Power | Name | OS |
|--------------------------|---|---|---|
| <input type="checkbox"/> |  |  foreman00.king.lab |  CentOS Stream 9 |
| <input type="checkbox"/> |  |  foreman00-node01-ol9.king.lab |  OracleLinux 9.5 |
| <input type="checkbox"/> |  |  foreman00-node02-al9.king.lab |  AlmaLinux 9.6 |
| <input type="checkbox"/> |  |  foreman00-node03-fedora42 |  Fedora 42 |

Funcionalidades - Gerenciamento de Servidores Linux

Content Hosts

Filter... Search

Export Register Content Host Select Action

0 of 4 Selected

| <input type="checkbox"/> | Name | Installable Updates | OS | Lifecycle Environment | Content View | Registered | Last Checkin |
|--------------------------|-------------------------------|---------------------|-----------------|-----------------------|--------------------|-----------------------------|-----------------------------|
| <input type="checkbox"/> | foreman00.king.lab | 0 0 0 0 | CentOS Stream 9 | | | | |
| <input type="checkbox"/> | foreman00-node01-ol9.king.lab | 71 145 3 640 | OracleLinux 9.5 | QA | ccv_ol_9_ACME | August 12, 2025 at 09:51 AM | August 12, 2025 at 04:11 PM |
| <input type="checkbox"/> | foreman00-node02-al9.king.lab | 28 0 0 171 | AlmaLinux 9.6 | DEV | ccv_alma_9_ACME | August 12, 2025 at 03:56 PM | August 12, 2025 at 04:17 PM |
| <input type="checkbox"/> | foreman00-node03-fedora42 | 16 47 20 238 | Fedora 42 | DEV | ccv_fedora_42_ACME | August 12, 2025 at 03:56 PM | August 12, 2025 at 03:56 PM |

20 per page

Showing 1 - 4 of 4 << < 1 of 1 > >>

Funcionalidades - Gerenciamento de Servidores Linux

Content Hosts

| <input type="checkbox"/> | Name | Installable Updates | OS | Lifecycle Environment | Content View |
|--------------------------|---|---------------------|-----------------|-----------------------|--------------------|
| <input type="checkbox"/> | foreman00.king.lab | 0 0 0 0 | CentOS Stream 9 | | |
| <input type="checkbox"/> | foreman00-node01-ol9.king.lab | 71 145 3 640 | OracleLinux 9.5 | QA | ccv_ol_9_ACME |
| <input type="checkbox"/> | foreman00-node02-al9.king.lab | 28 0 0 171 | AlmaLinux 9.6 | DEV | ccv_alma_9_ACME |
| <input type="checkbox"/> | foreman00-node03-fedora42 | 16 47 20 238 | Fedora 42 | DEV | ccv_fedora_42_ACME |



Funcionalidades - Gerenciamento de Servidores Linux

Hosts > foreman00-node03-fedora42

foreman00-node03-fedora42

Created 8 hours ago by Anonymous Admin (updated 2 hours ago)

[Schedule a job](#) [Edit](#)

[Overview](#) [Details](#) [Content](#) [Parameters](#) [Traces](#) [Reports](#)

Host status

1 0 1 4

[Manage all statuses](#)

Content view environment

DEV ccv_fedora_42_ACME

Version 1.0 (latest)

Errata

103 errata

16 security advisories
47 bug fixes
20 enhancements

[Applicable](#) [Installable](#)

Details

IPv6 address
Not available

IPv4 address
192.168.86.226

MAC address
52:54:00:35:2a:db

Host group
Not available

Host owner
Admin User

Comment

Recent jobs

Finished [Running](#) [Scheduled](#)

No results found

Recent communication

Last configuration report Never

Last check-in: 2 hours ago

Funcionalidades - Gerenciamento de Servidores Linux

Hosts > foreman00-node03-fedora42

foreman00-node03-fedora42 Fedora 42 x86_64

Created 8 hours ago by Anonymous Admin (updated 2 hours ago)

Overview Details Content Parameters Traces Reports

Host status 1

Content view environment

DEV ccv_fedora_42_ACME

Version 1.0 (latest)

Errata Applicable Installable

103 errata

| Category | Count |
|---------------------|-------|
| Security advisories | 16 |
| Bug fixes | 47 |
| Enhancements | 20 |

16 security advisories

47 bug fixes

20 enhancements

Recent jobs

Finished Running Scheduled

No results found

Recent communication

Last configuration Never report

Last check-in: 2 hours ago

Funcionalidades - Gerenciamento de Servidores Linux

Hosts > foreman00-node03-fedora42 ↗

foreman00-node03-fedora42 🔴 Fedora 42 x86_64 Schedule a job Edit ⋮

Created 8 hours ago by Anonymous Admin (updated 2 hours ago)

Overview Details **Content** Parameters Traces Reports

Packages Errata Module streams Repository sets

Search → ⋮ 1 - 20 of 103 < >

| Errata ↑ | Type ↓ | Severity ↓ | Installable | Synopsis | Published date ↓ |
|---|----------------|------------|-------------|------------------------|------------------|
| > <input type="checkbox"/> FEDORA-2025-02c79c787e  | 🐛 Bugfix | N/A | ✓ Yes | btrfs-progs-6.15-1... | 06/25/2025 |
| > <input type="checkbox"/> FEDORA-2025-047e757c31 | 🐛 Bugfix | N/A | ✓ Yes | wireless-regdb-2... | 04/24/2025 |
| > <input type="checkbox"/> FEDORA-2025-06b9859763 | 🐛 Bugfix | 🟡 Moderate | ✓ Yes | coreutils-9.6-5.fc... | 07/11/2025 |
| > <input type="checkbox"/> FEDORA-2025-0820057b8f | ⚙️ Enhancement | N/A | ✓ Yes | hwdata-0.398-1.f... | 08/07/2025 |
| > <input type="checkbox"/> FEDORA-2025-08cb58d76b | 🐛 Bugfix | N/A | ✓ Yes | exfatprogs-1.2.9-1... | 05/16/2025 |
| > <input type="checkbox"/> FEDORA-2025-0975bbb70e | 🐛 Bugfix | N/A | ✓ Yes | libeconf-0.7.6-2.f... | 06/15/2025 |
| > <input type="checkbox"/> FEDORA-2025-098c5129af | ⚙️ Enhancement | N/A | ✓ Yes | elfutils-0.193-2.fc... | 05/02/2025 |
| > <input type="checkbox"/> FEDORA-2025-09b1545c7a | 🐛 Bugfix | N/A | ✓ Yes | kernel-6.15.9-201... | 08/05/2025 |
| > <input type="checkbox"/> FEDORA-2025-0fd5e39dd9 | 🐛 Bugfix | N/A | ✓ Yes | samba-4.22.3-2.f... | 07/11/2025 |
| > <input type="checkbox"/> FEDORA-2025-1516194d78 | 🐛 Bugfix | N/A | ✓ Yes | python-argcompl... | 04/19/2025 |

Funcionalidades - Gerenciamento de Servidores Linux

Hosts > foreman00-node03-fedora42 [↔](#)

foreman00-node03-fedora42 🔴 Fedora 42 x86_64 Schedule a job Edit ⋮

Created 8 hours ago by Anonymous Admin (updated 2 hours ago)

Overview Details **Content** Parameters Traces Reports

Packages **Errata** Module streams Repository sets

Search → Type Severity Applicable **Installable** Apply 1 - 20 of 103 < >

| Errata ↑ | Type ↑ | Severity ↓ | Installable | Synopsis | Published date ↓ |
|---|---------------------------------------|------------|-------------|---------------------------------------|------------------|
| <input type="checkbox"/> FEDORA-2025-02c79c787e | 🔴 Bugfix | N/A | ✓ Yes | btrfs-progs-6.15-1... | 06/25/2025 |
| > Bugs 1 | Synopsis | | | btrfs-progs-6.15-1.fc42 | |
| > CVEs 0 | Summary | | | btrfs-progs-6.15-1.fc42 bugfix update | |
| > Packages 51 | Solution | | | | |
| > Module streams 0 | Show full description | | | | |

Funcionalidades - Gerenciamento de Servidores Linux

Hosts > foreman00-node03-fedora42

▼ FEDORA-2025-02c79c787e

🛠 Bugfix

N/A

✓ Yes

btrfs-progs-6.15-1... 06/25/2025

> Bugs **1**

Synopsis

> CVEs **0**

btrfs-progs-6.15-1.fc42

> Packages **51**

Summary

btrfs-progs-6.15-1.fc42 bugfix update

> Module streams **0**

Solution

[Show full description](#)

> Bugs **1**

Synopsis

> CVEs **0**

btrfs-progs-6.15-1.fc42

> Packages **51**

Summary

> Module streams **0**

btrfs-progs-6.15-1.fc42 bugfix update

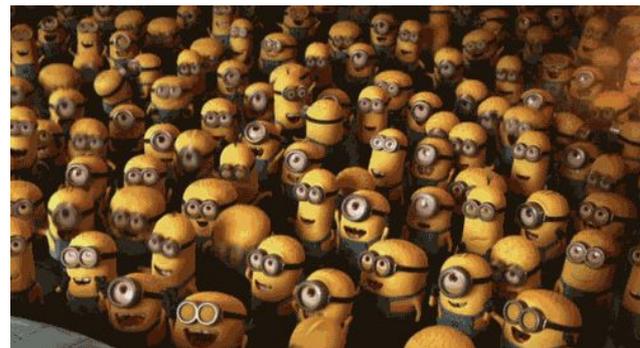
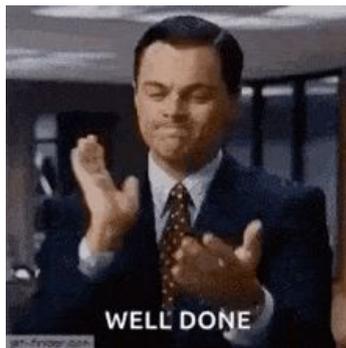
Solution

[Show full description](#)

Big Question

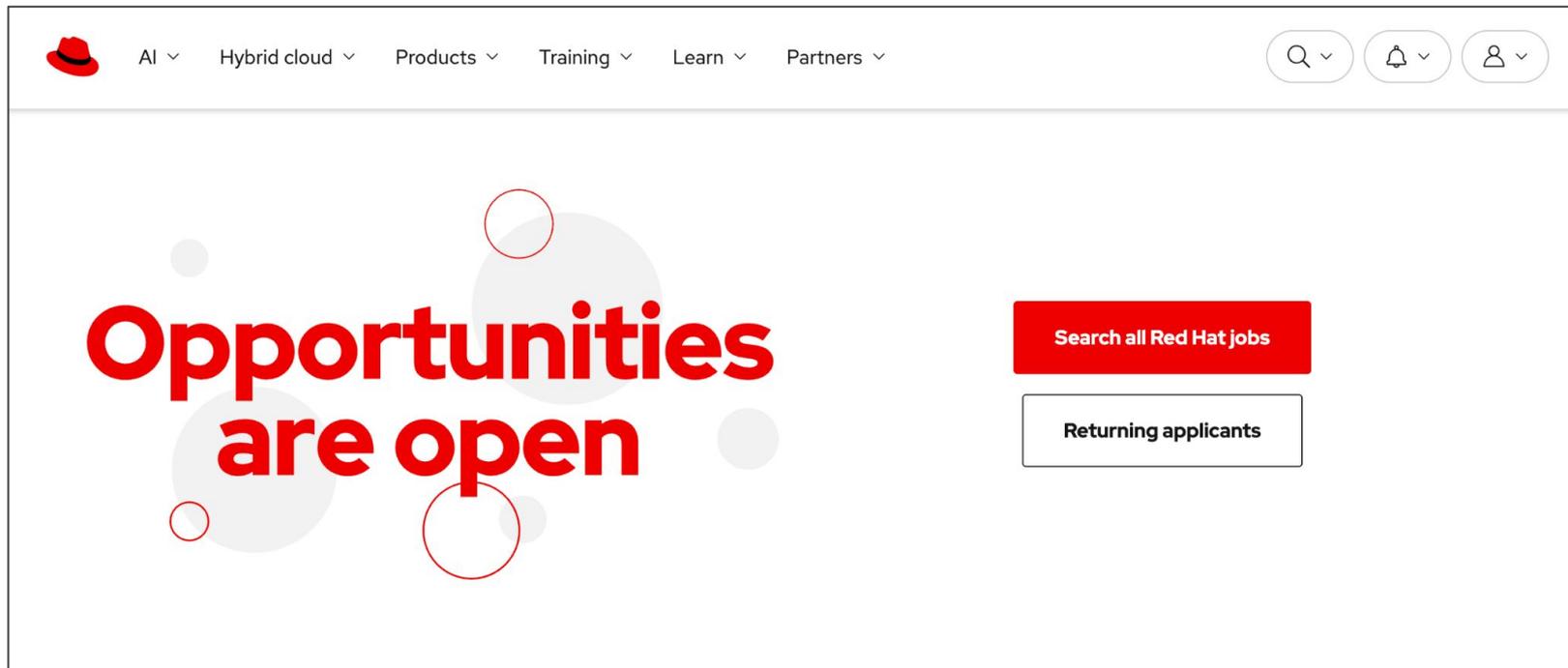
Big Question

Como posso ter experiencia, se nao tenho \$\$ para comprar uma subscrição (Satellite, OpenShift, ...)?



Jobs / Oportunidades

Jobs / Oportunidades



The screenshot shows the top navigation bar of the Red Hat Jobs website. On the left is the Red Hat logo. To its right are navigation links: AI, Hybrid cloud, Products, Training, Learn, and Partners, each with a dropdown arrow. On the right side of the navigation bar are three circular icons: a search icon, a notification bell icon, and a user profile icon, each with a dropdown arrow. Below the navigation bar is a large white banner area. On the left side of the banner, the text "Opportunities are open" is written in a large, bold, red font. The background of the banner features several overlapping circles in shades of gray and red. On the right side of the banner, there are two buttons: a red button with the text "Search all Red Hat jobs" and a white button with a black border and the text "Returning applicants".

AI ▾ Hybrid cloud ▾ Products ▾ Training ▾ Learn ▾ Partners ▾

Search ▾ Bell ▾ User ▾

**Opportunities
are open**

Search all Red Hat jobs

Returning applicants

<https://jobs.redhat.com/>

Jobs / Oportunidades



AI ▾

Hybrid cloud ▾

Oppor
are

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Opportunities are open

Country ▾ Region/State/Province ▾ Remote Type ▾ More ▾

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Hybrid Boston

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R-048735

[Senior Principal Software Engineer](#)

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- https://www.youtube.com/watch?v=tBku4QPEM_Y
- <https://discord.com/invite/SVbWFZx9vE>

Recap

Recap

- Projeto vs Produto / Upstream vs Downstream
- Comparativo do RH Satellite vs Foreman Turbinado
- Sem Cobrança, Sem Custo, Upstream++
- Funcionalidades
- Jobs / Oportunidades
- Big Question!

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Duvidas!?