



OpenTourn

Plataformas con posibilidades ilimitadas

Lisboa

23 de maio de 2024



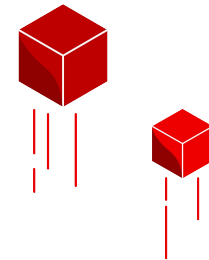
Developer Hub

David Severiano

Architect




Román Martín




Principal Architect






Paralysis by analysis

 or  
Kafka Artemis

 or  
Operator Helm Charts

 or  
Argo Jenkins

 or  
Quarkus Spring Boot

Too much information

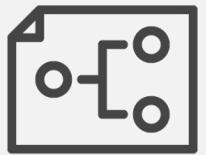




¿Where is the documentation?

Lack of standardization!

¿How do I get the repo?



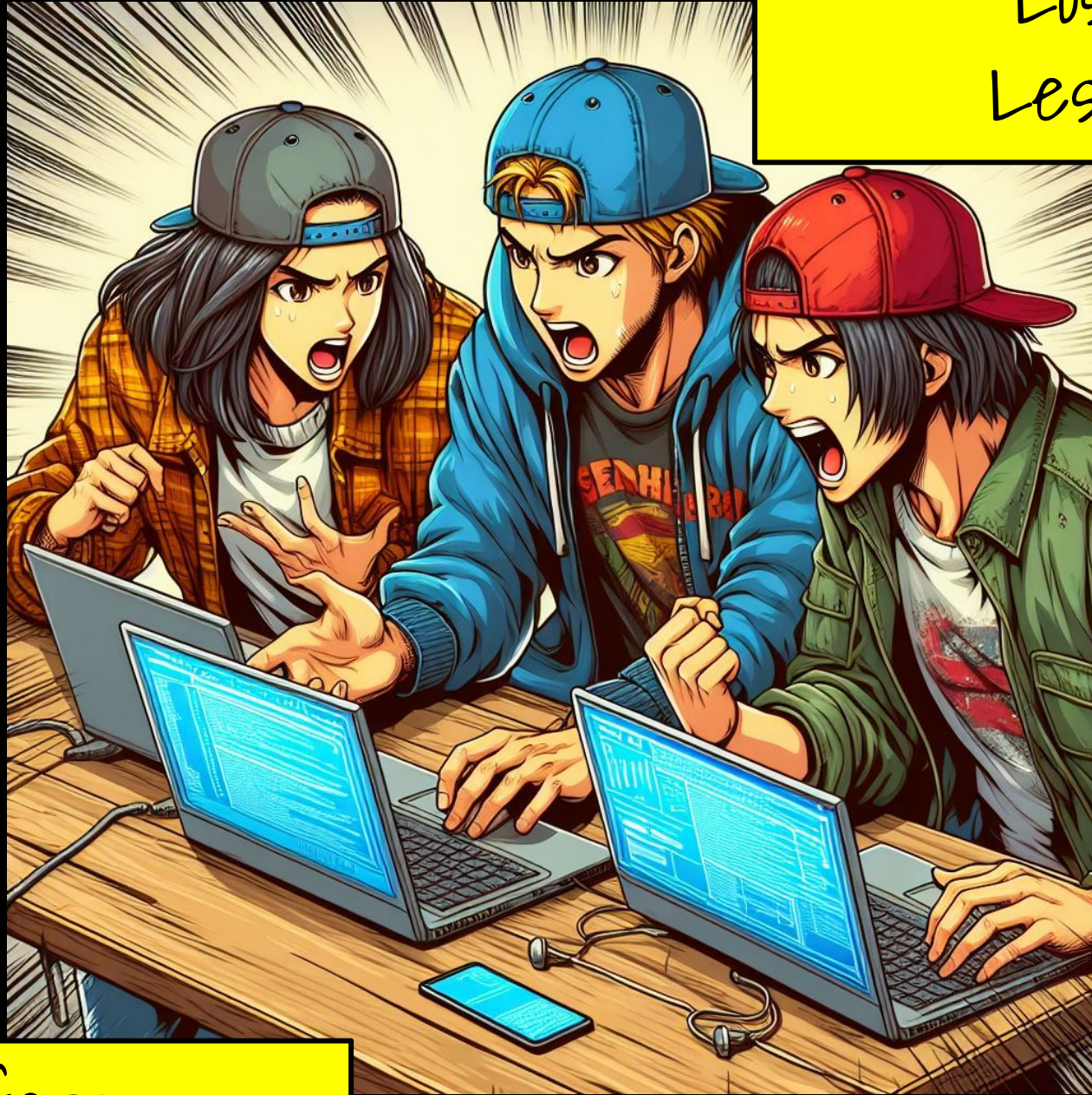
¿Who can give me access to?

Nightmares in Support!

¿Is there a list of existing services?



Loss of focus
Less innovation







Quality suffers

Welcome to Red Hat Developer Hub

We are glad to invite you to the new self-service **Internal Developer Portal** by **Red Hat Developer Hub**. This new platform will provide you with everything on you daily basis. It is a platform integrated with all our main systems to give you a single panel of glass. This portal provides the services for a simplified onboarding of new applications and team members.

Here you can find the link and credentials for this amazing portal:

	Red Hat Developer Hub	user1 / NzI5Mjkw
	GitLab	user1 / NzI5Mjkw
	Dev Spaces	user1 / NzI5Mjkw
	OpenShift	user1 / NzI5Mjkw



Red Hat Developer Hub



Single Pane of Glass

The software catalog provides development teams with a centralized self-managed location



Simplified onboarding

Customizable and repeatable golden paths allow new members in the organization to quickly initiate new projects



Self-service

Templates allow teams to ensure that developer workflows run smoothly by providing the right tools, validated environments, and on-demand services.



Extensible

Allows the development team to customize and extend through the added functionality of an ecosystem of plug-ins into the unified view.

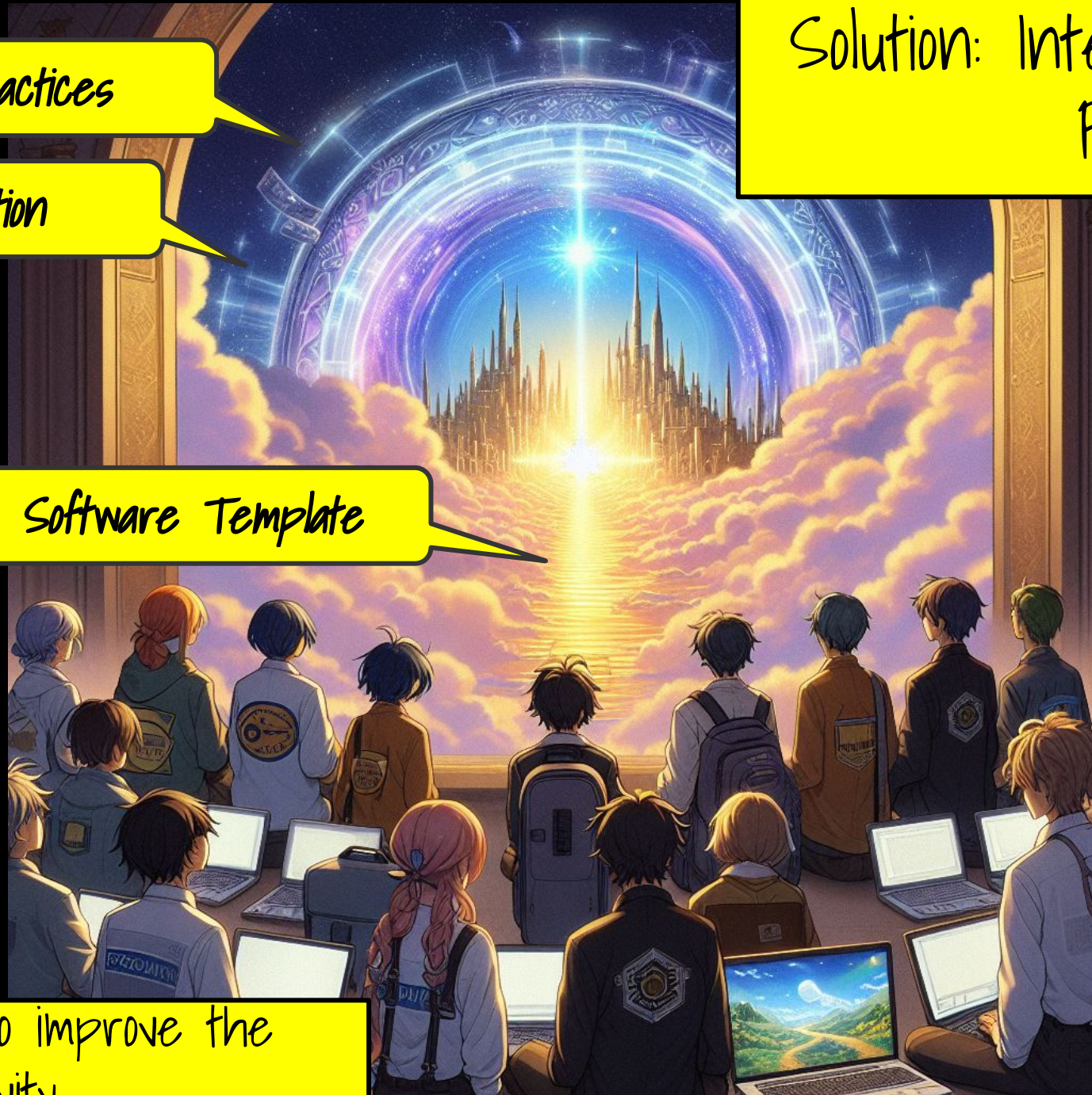
Best practices

Documentation

Software Template

Solution: Internal Developer Portal!

This is the way to improve the productivity



CNCF
based on
Backstage*



* Donated by
Spotify



Single Pane of Glass

The software catalog provides development teams with a centralized self-managed location



Self-service

Templates allow teams to ensure that developer workflows run smoothly by providing the right tools, validated environments, and on-demand services.



Simplified onboarding

Customizable and repeatable golden paths allow new members in the organization to quickly initiate new projects



Extensible

Allows the development team to customize and extend through the added functionality of an ecosystem of plug-ins into the unified view.



Red Hat Developer Hub

Red Hat Value Added



Supported



Enterprise
RBAC



Dynamic
Plugins



OpenShift
Integrated

Red Hat Value Added



OpenTour

Red Hat ensures business continuity and the development team will be continuously delivering

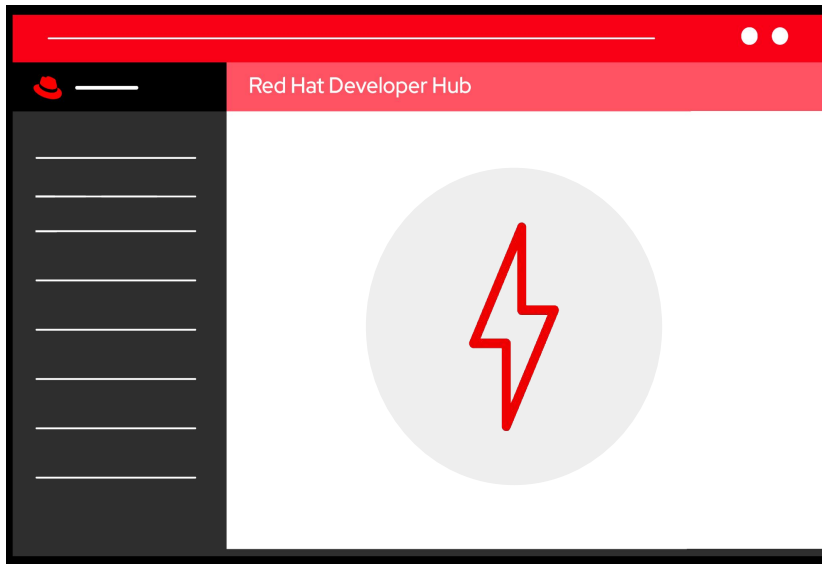
Enterprise Role Based Access Control (RBAC)

Simplify the RBAC management and adoption for Enterprise compliance



Dynamic Plugin Management

No more downtimes for plugins management



 Always working

No need to rebuild:

- ▶ Installing plugins
- ▶ Updating plugins
- ▶ Removing plugins

Support for Red Hat Plugins

Red Hat is continuously adding new plugins on Developer Hub



GitOps with ArgoCD



Kiali



Ansible



Authentication & Authorization
with Keycloak



Application Topology
for Kubernetes



Nexus Repository



Open Cluster
Management



Quay



Pipelines with Tekton



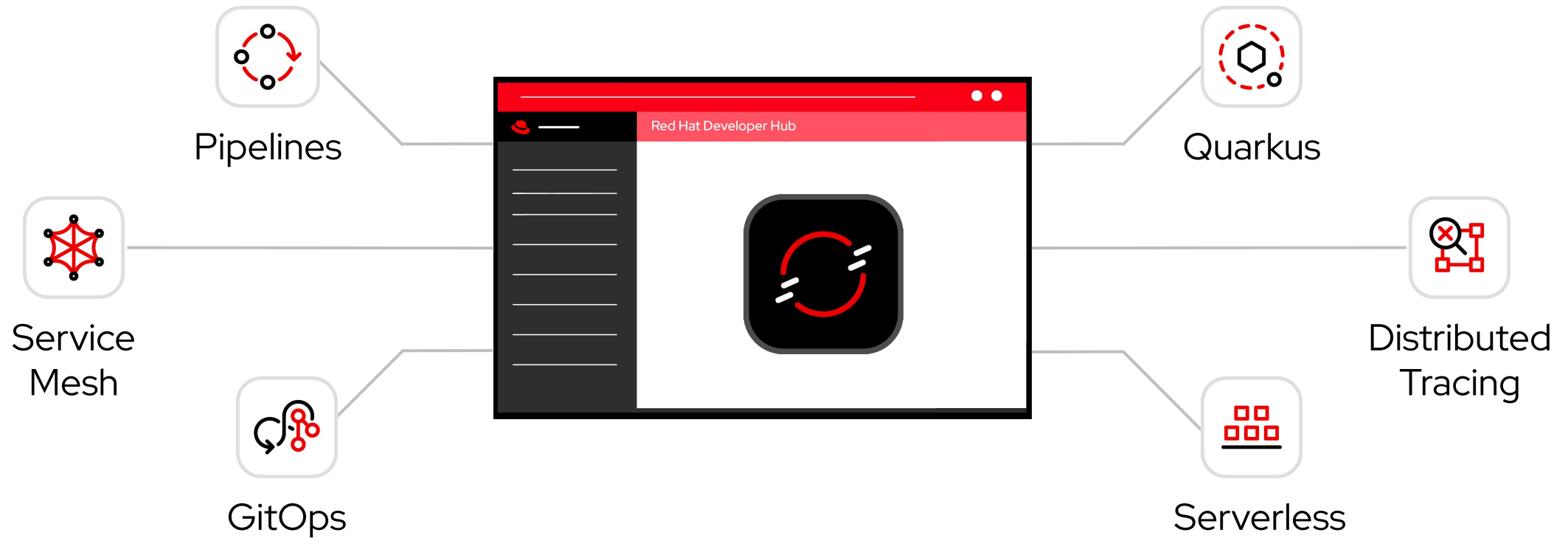
JFrog Artifactory



3scale

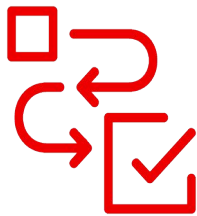
Fully integrated with Openshift

Leverages on several technologies that come with OpenShift

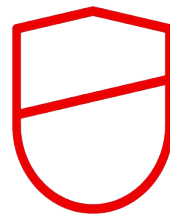


Enterprise Grade Support 24x7

Support for both Backstage environment and the supported plug-ins



Business continuity for the whole team



Security resources at your disposal



Knowledgebase and troubleshooting

Objectives

Platform Design & Deployment



- Architecture Review
- IaC Deployment of Backstage/Janus
- Tooling Integration
 - SSO, CI/CD, Vault

Plugins



- Install and Configure OOTB Plugins
- Design Component Dashboard
- Design Standardized Tech Documentation

Golden Path



- Template Creation per Archetype
- Onboarding Workflow

Teams Onboarded



- Streamlined Backstage Onboarding
- Build out Backstage Catalog



Onboarding to a Cloud Platform (private)

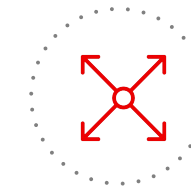
Average time to onboard

14 days



Onboarding with IDP

10 minutes



First release with IDP

Average time to release

51 days






First release with IDP

12.5 days

Outcomes

- Motivated & Productive Developers
- Streamlined Onboarding
- Consistent Approach and Tooling
- Increase Compliance
- Reduce Time to Market
- Self-Service Provisioning
- Improved User Experience

Software Templates

-  Define
-  Fill out
-  Execute



Enterprise RBAC



Dynamic plugins



Search information quickly

Enterprise support



Red Hat Developer Hub



Team Catalog

▶ Applications

▶ Services

Libraries

Support for Red Hat plugins



Fully integrated with OpenShift




Documentation



Obrigado

A Red Hat é a líder mundial em soluções empresariais open source como Linux, nuvem, containers e Kubernetes. Fornecemos soluções robustas que facilitam o trabalho em diversas plataformas e ambientes, do datacenter principal até a borda da rede.

 [linkedin.com/company/red-hat](https://www.linkedin.com/company/red-hat)

 [facebook.com/redhatinc](https://www.facebook.com/redhatinc)

 [youtube.com/user/RedHatEMEA](https://www.youtube.com/user/RedHatEMEA)

 twitter.com/redhatiberia

 [redhat.com/es/global/espana](https://www.redhat.com/es/global/espana)

