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Open Tour

Plataformas con posibilidades ilimitadas

A Coruña

28 de Mayo de 2024

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Developer Hub

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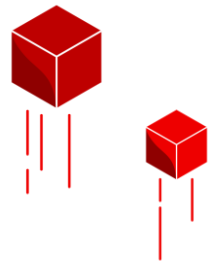
AppDev Consultant



Paralysis by analysis
Kafka or Artemis ?
Argo or Jenkins ?
Operator or HELM Helm Charts ?
Too much information

Lack of standardization!

¿Where is the documentation?

¿How do I get the repo?

¿Who can give me access to?

¿Is there a list of existing services?

Nightmares in Support!

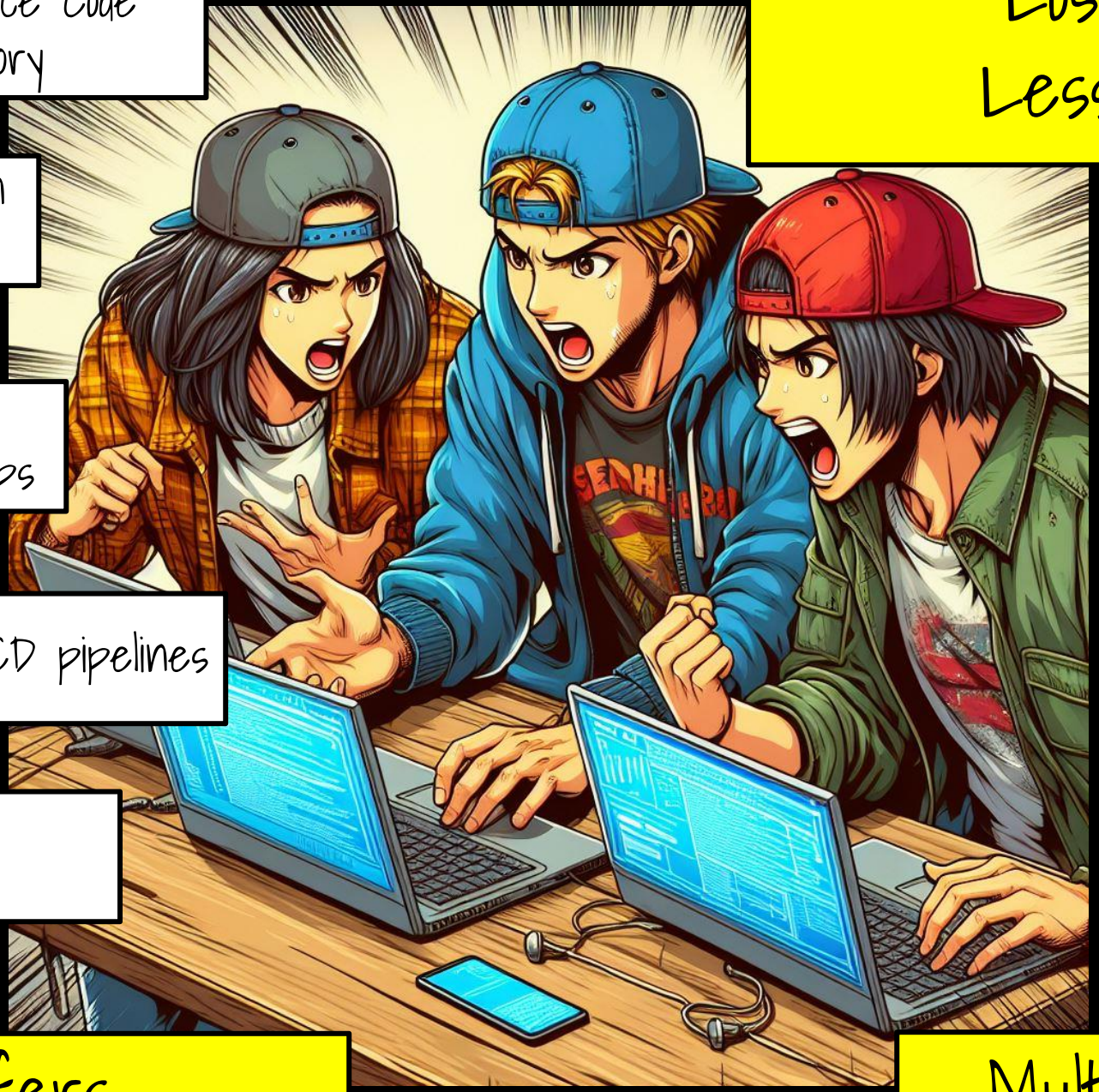
1. Create Source Code Repository

2. Create Documentation Repository

3. Add users to the respective RBAC groups

4. Create CI/CD pipelines

5. ...



Loss of focus
Less innovation

Quality suffers

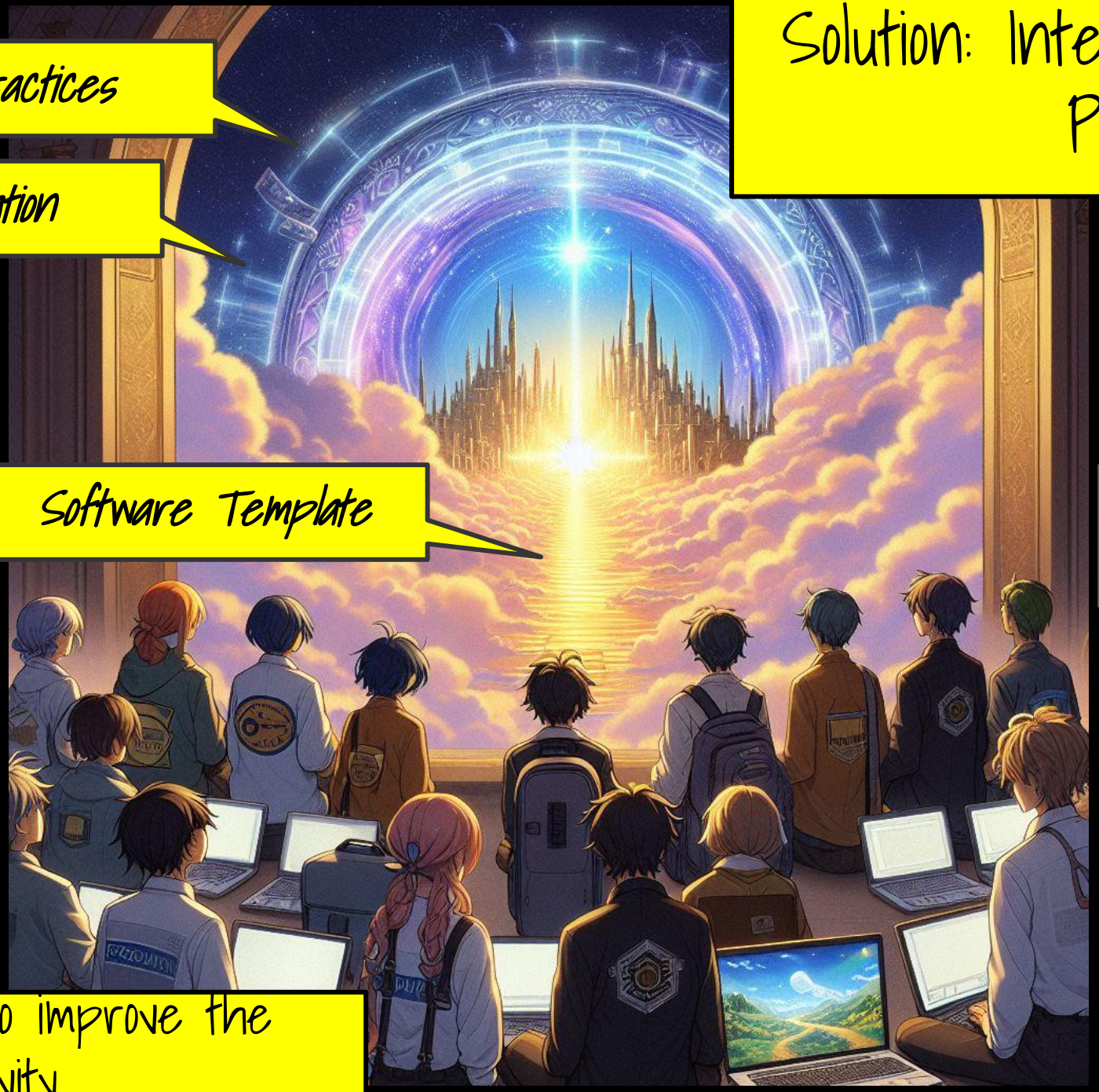
Multiple Procedures

Solution: Internal Developer Portal!

Best practices

Documentation

Software Template



Red Hat Developer Hub

CNCF based on Backstage*

* Donated by Spotify

This is the way to improve the productivity

Single Pane of Glass

Simplified onboarding

Red Hat Developer Hub

Self-service

Extensible

* CNCF based on Backstage

* Donated by Spotify

Supported

Enterprise RBAC

Dynamic Plugins

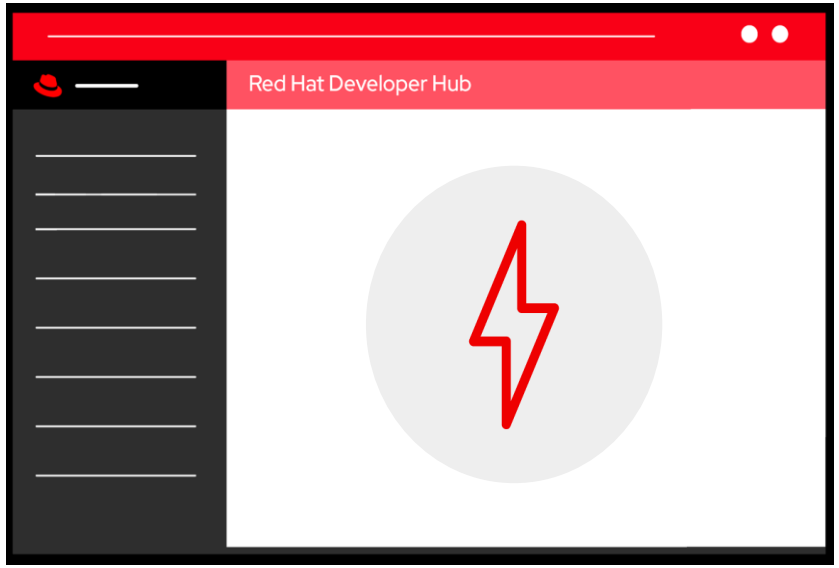
OpenShift Integrated

Red Hat Value Added

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

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

Enterprise Role Based Access Control (RBAC)

Simplify the RBAC management and adoption for Enterprise compliance

Fully integrated with Openshift

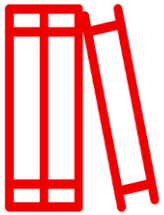
Leverages on several technologies that come with OpenShift

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**

Red Hat Services: Developer Hub Pilot

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

Open Tour

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

Technical Documentation

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Muchas gracias

Red Hat es el principal proveedor mundial de soluciones empresariales de código abierto con un enfoque impulsado por la comunidad que permite ofrecer tecnologías de alto rendimiento de Linux, nube, contenedor y Kubernetes. Le ayudamos a estandarizar en todos los entornos, a desarrollar aplicaciones nativas de la nube, a integrar, automatizar, asegurar y gestionar entornos complejos gracias al soporte, training y servicios de consultoría galardonados.

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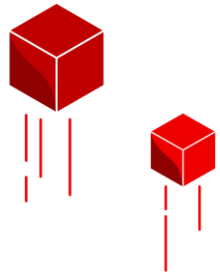
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