

### Connect

Red Hat Developer Hub in the Platform Engineering Era





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## **Platform Engineering**

Gartner named Platform Engineering as one of the top 10 strategic technology trends for 2024 and predicts that by 2026, **80% of organizations** with platform teams will provide **self-service developer portals** to improve developer experience, accelerate product innovation and reduce risk.

Source: Gartner

Rise of Generative Al



of Enterprises will have deployed **Generative Al-Enabled Applications** by 2026



## What a **Platform Engineering** is?



# What an Internal Developer Platform (and Portal) is?



# Why do you need an **IDP** in your organization?



# Why it will be Red Hat Developer Hub?

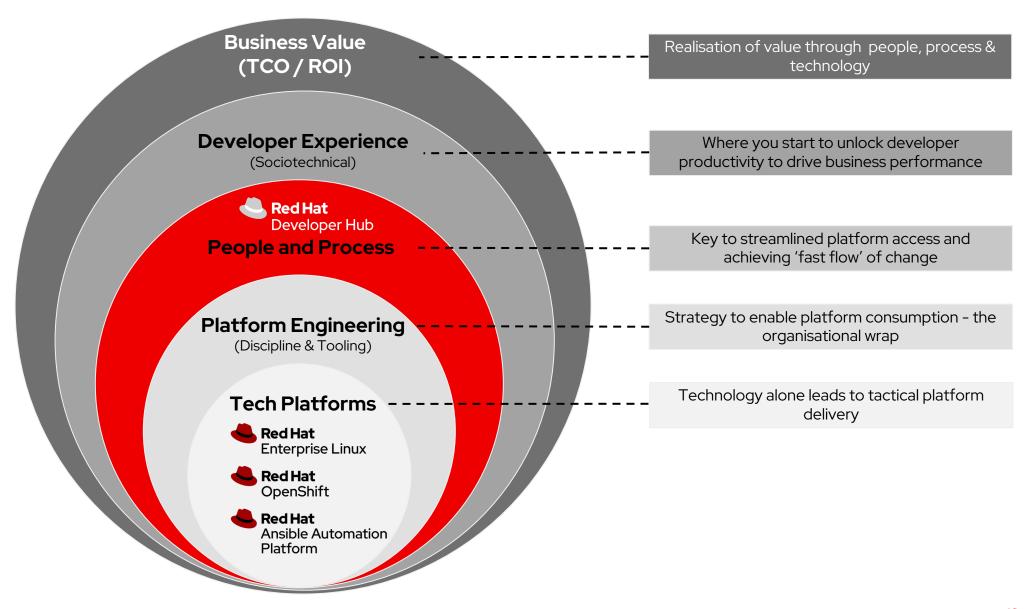


## **Platform Engineering**

Platform engineering is a **discipline** within software development that focuses on improving productivity, application cycle time, and speed to market.

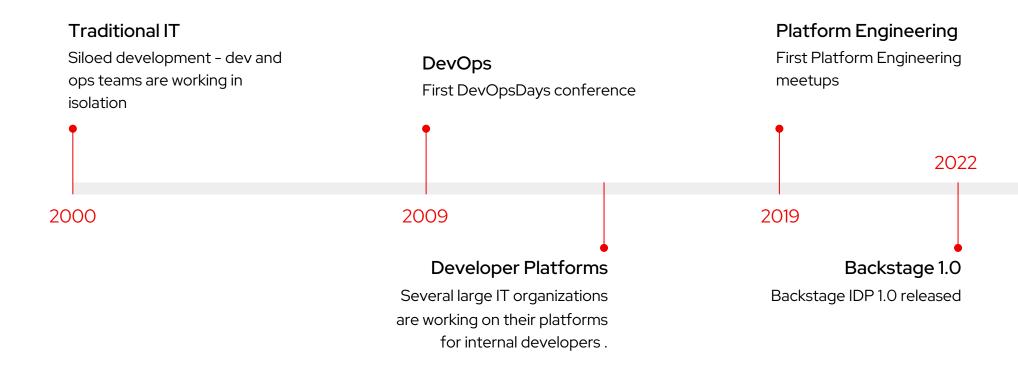
Platform Engineers curate a customized set of tools and processes to match the unique needs of an organization, creating self-service capabilities and automated infrastructure that empowers software developers.



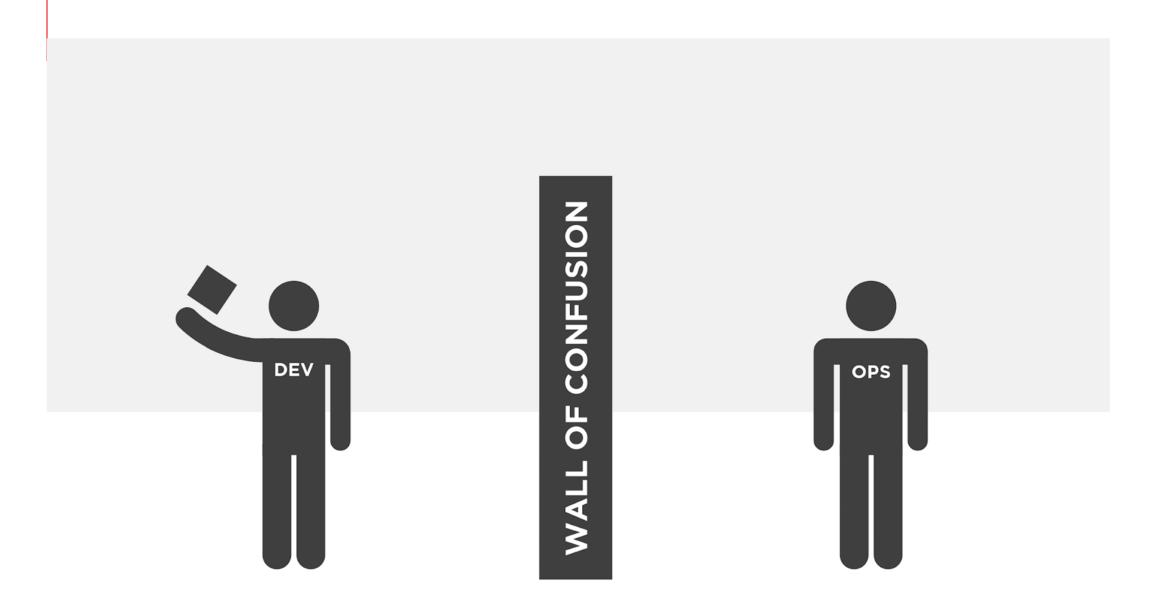




### Evolution to Platform Engineering















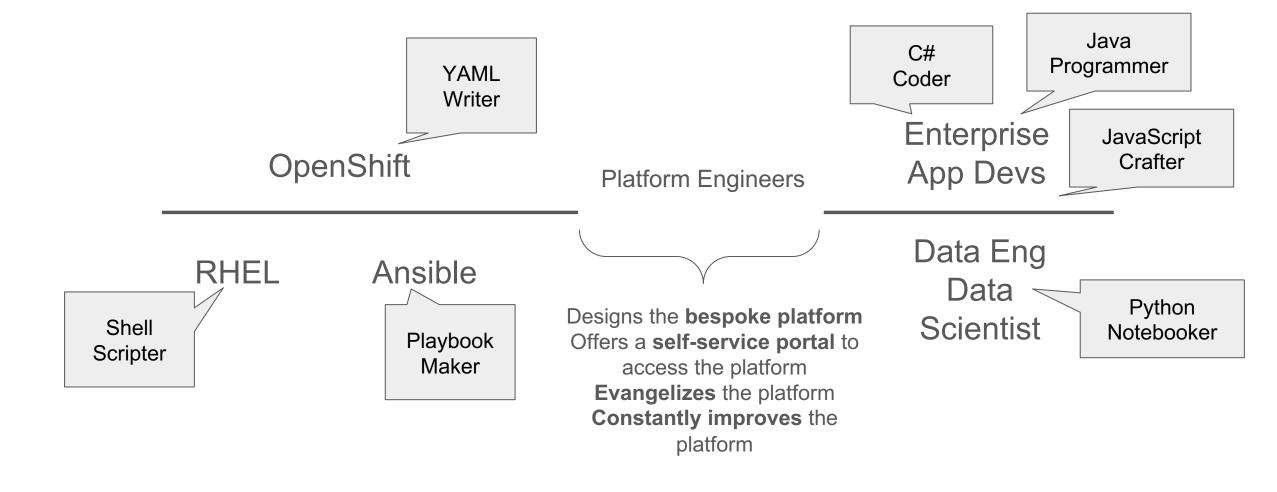


"Platform engineering is a manifestation of DevOps. It is not one or the other. It's not contradictory. It's not old or new. You're bridging that collaboration. And the mechanism today is different than what used to be, where the DevOps team was something and now maybe the platform team is there."

Patrick Debois

Generative AI and DevOps Technical Leadership | Keynote Speaker | co-Author of DevOps Handbook







## As Enterprises Grow, so does the Friction facing Development

Constant change. Increasing Complexity, Limited Resources.



Lack of Self-Service automation



Difficulties in finding API



Lack of Ownership Transparency



Too many Tools and Dashboards



Documentation that's poorly maintained



Onboarding new folks takes too long

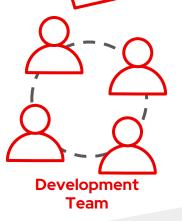


#### **Lack of Self-Service**

Too many tickets, Too Many Meetings, not enough automation













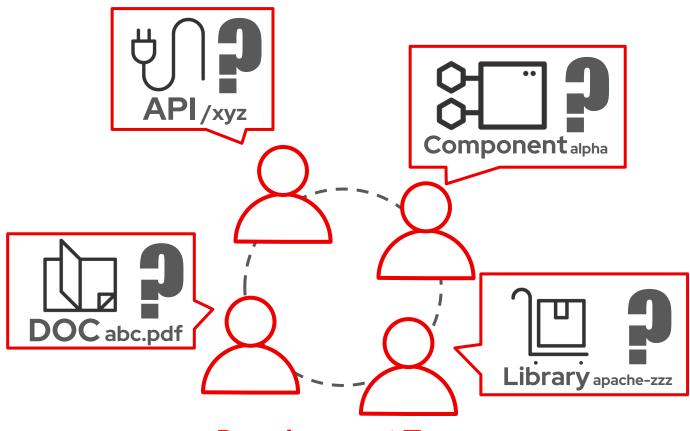






## Difficulty Discovering of Development Resources

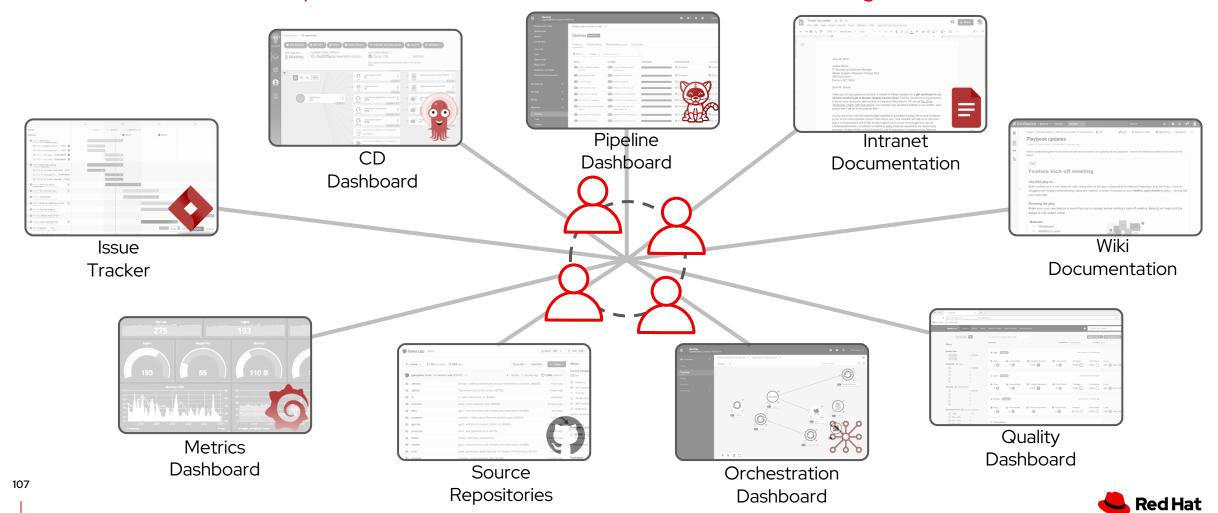
APIs, Libraries, Components and documentation that it's hard to find





## **Too Many Dashboards**

Multiple Browser Tabs. Distributed Documentation. Damaged "Flow"





#### Single Pane of Glass

Software catalog provides developer teams with a centralized self-managed location



#### OpenShift Integrated

Integrated with our our certified Pipelines and Gitops plugins to accelerate your teams







#### **Supported**

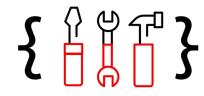
Red Hat professionals can assist to help your team's success and ensure business continuity.



#### Simplified onboarding

New members in the organization to quickly initiate new projects





**Red Hat** 





#### **Self-service**

Developer workflows run smoothly by providing the right tools, validated environments and services



#### **Enterprise RBAC**

Simplify the rollout and adoption of Backstage within their environment organization.





**Development Team** 

Developer Hub



#### **Dynamic Plugins**

Install, update, and remove plugins anytime without requiring a rebuild or significant downtime



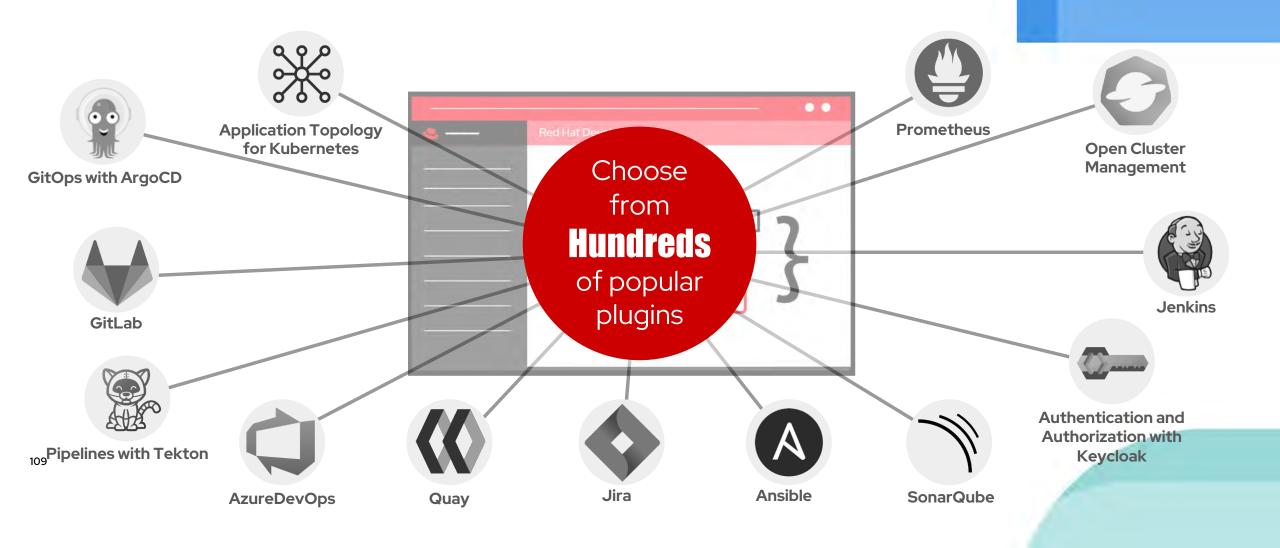




#### **Extensible**

Allows the development team to customize and extend through an ecosystem of plug-ins

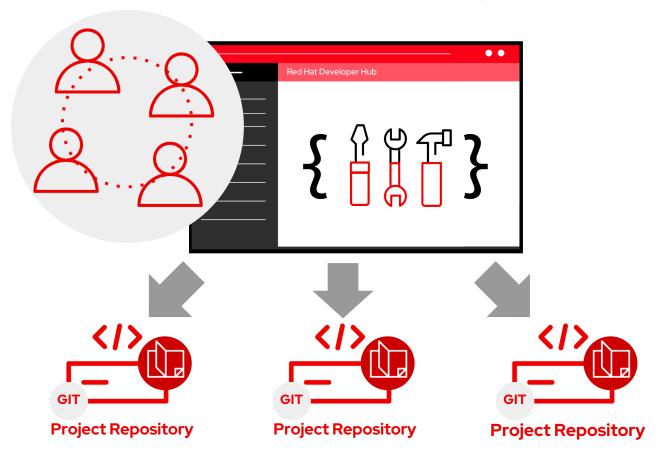






#### **Technical Documentation maintained as Code**

Create, Keep and Search your developer documentation alongside your code





#### Easy Access To Your Architecture & Developer Docs

Write documentation alongside your code. Developer Hub provides self-service access when and where it's required.



All docs are written in Markdown format and stored in Git reducing friction and costs at the same time

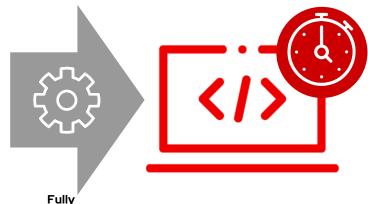


## **Self-Service with Software Templates**

Capture and Share **YOUR** best practices







## **Capture Your Best Practices**

Codigy your existing practices as Templates

#### Bake-in Your Processes

Use templates to automatically generate perfect projects

#### Generate New Projects

New projects go straight into version control so development can start straight away

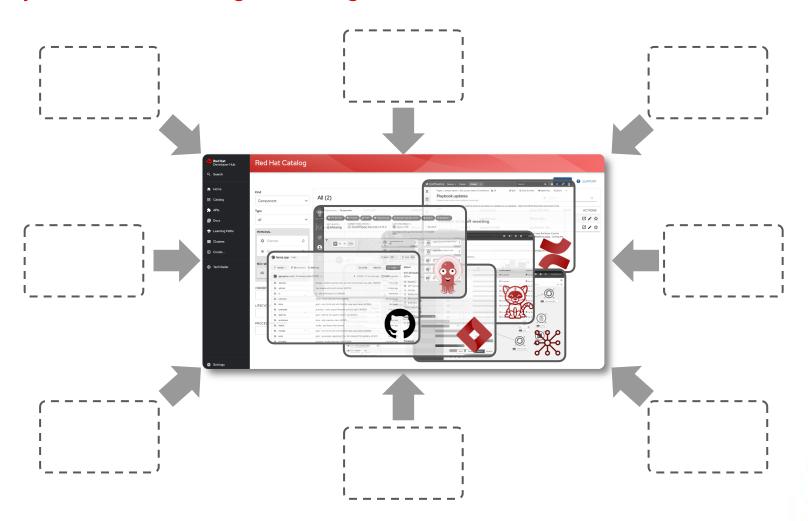
## Automated Get Started in Seconds

No more tickets. No more Unzip. No more search & replace. No more Copy & Paste



## Adapt to development team needs

Plugins ecosystem allows to bring all existing tools, services and documentation into the Portal







### **Connect**

## Thank you



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