

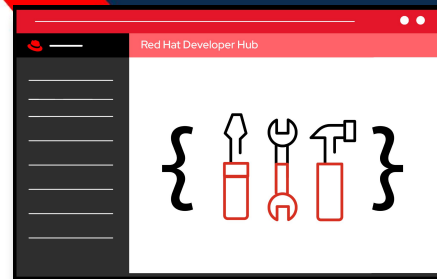
Red Hat  
**Summit**

# Driving **DevEx** using Red Hat Developer Hub

Summit Connect - Brussels, 19th October

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A dark, circular object, possibly a coin or a disc, is shown floating in the air. The top surface of the object is covered with several water droplets of varying sizes. Below the object is a textured, golden-brown surface that looks like sand or a rough ground. The background is a soft, out-of-focus light blue and white.

# What do developers want the most?

## **Frictionless** development

A photograph of a crowded airport security checkpoint. A man in a white shirt and dark trousers is jumping over a turnstile. The turnstiles are lined up, and many people are waiting in a long queue. Above the turnstiles, a series of black signs with red 'X' marks are hanging. The scene is brightly lit, and the background shows large windows and airport infrastructure.

# What do developers want the most?

**No** tickets

**No** barriers

**No** waiting

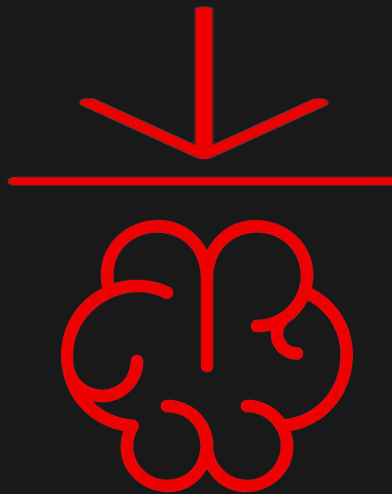
UI

UX

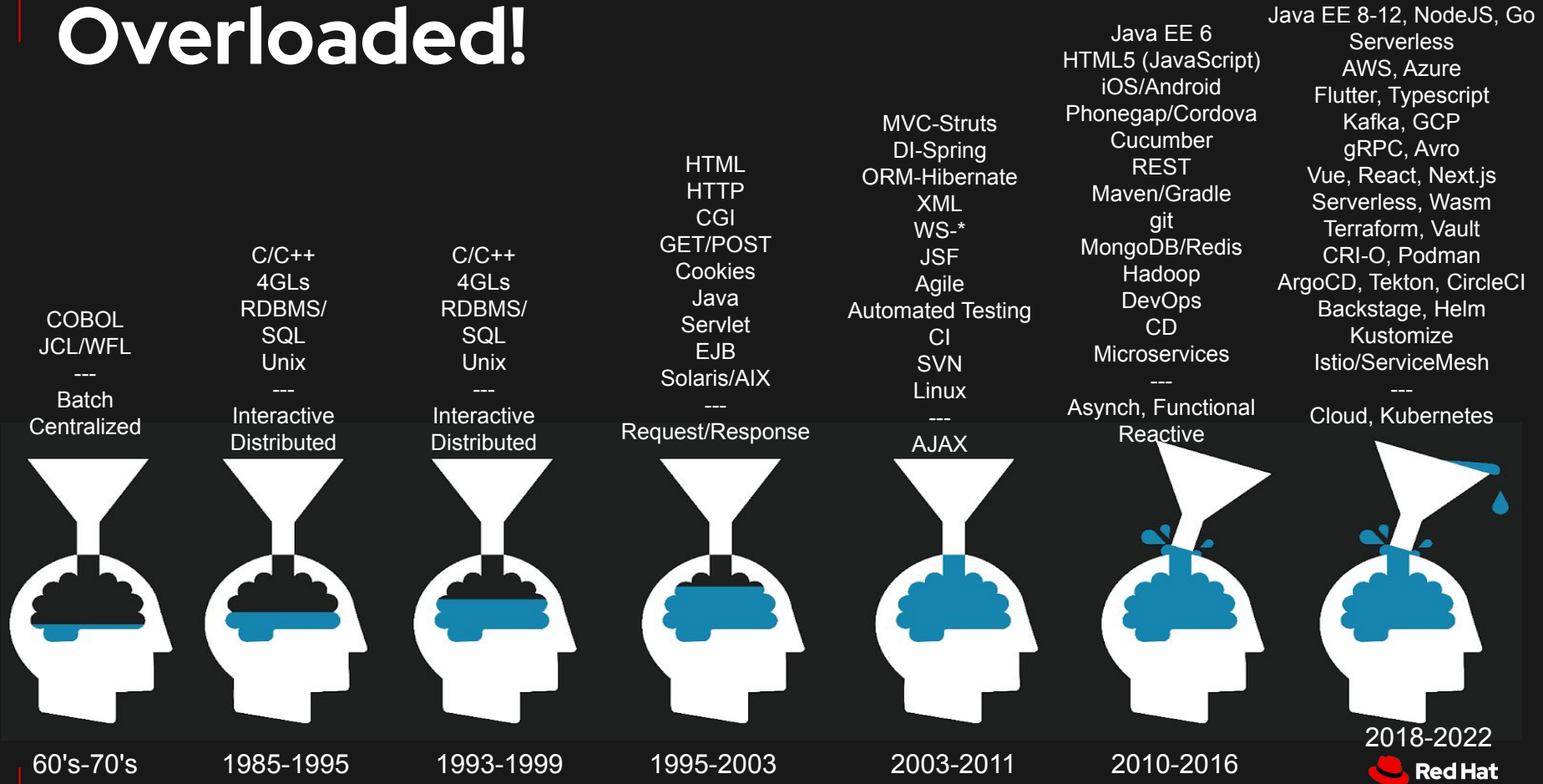
DX

**DevEx**

# Cognitive Load



# Overloaded!



# Finding stuff



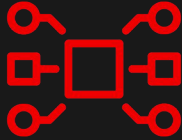
and sharing it

# Repeating patterns

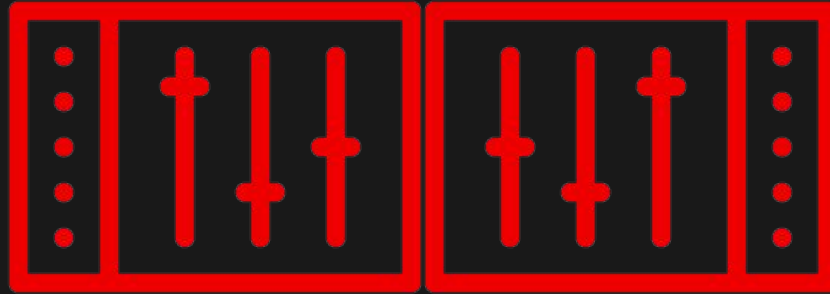




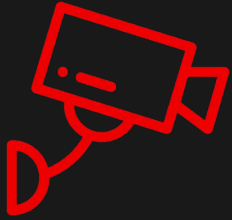
# Observability



# Single plane of glass



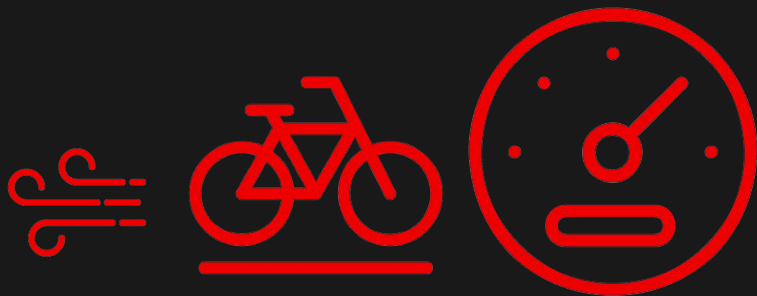
# Simplified Security



# Self service

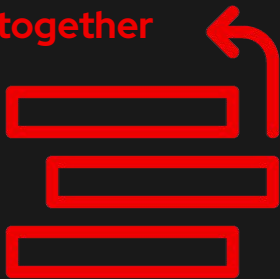


# Doing more with less



# What is an Internal Developer Platform (IDP)?

- ▶ built by **platform engineers** to enable developer self-service
- ▶ provides developers with guided and supported **paths to success**
- ▶ typically **composed of different technologies** and tools
- ▶ brings everything **together**



# Golden Path

**Pre-architected** and supported approach to building and deploying a particular piece of **software**

# Platform Engineering: Becoming the **Developer's** Developer



**Understand your  
developers...**






# Evaluate the current DevEx

**Capture the  
aspiration.**





Take all the  
building  
blocks



**And**  
**Integrate.**

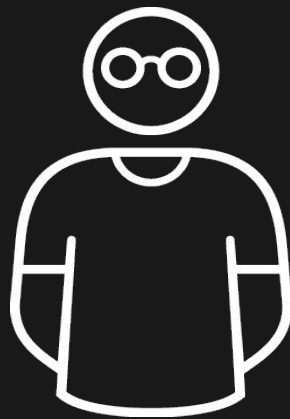
**Skills** needed:

- Joiner
- Plasterer
- Electrician
- Plumber
- Tiling
- Flooring
- Ducting
- Decorator

# Platform Engineers



**Product** Manager



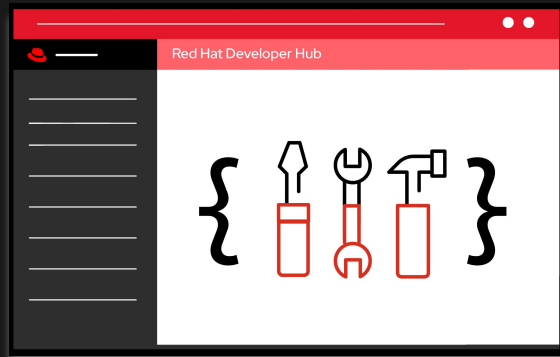
**UX**



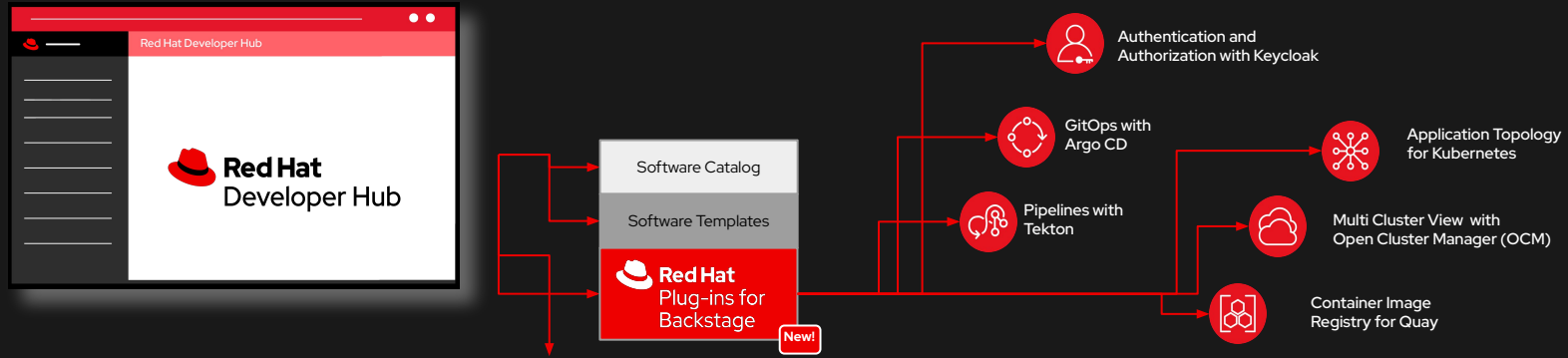
**Developer**  
Advocate

# So what is Red Hat Developer Hub?

An **enterprise-grade, open developer platform for building developer portals**, containing a **supported and opinionated framework**.



# Empowering engineering to deliver business value faster.



Integrates with industry standards and technologies through a broad ecosystem.



Based on Backstage, an open source platform for building developer portals.



Consistent developer experience across environments.












# Single Pane of Glass

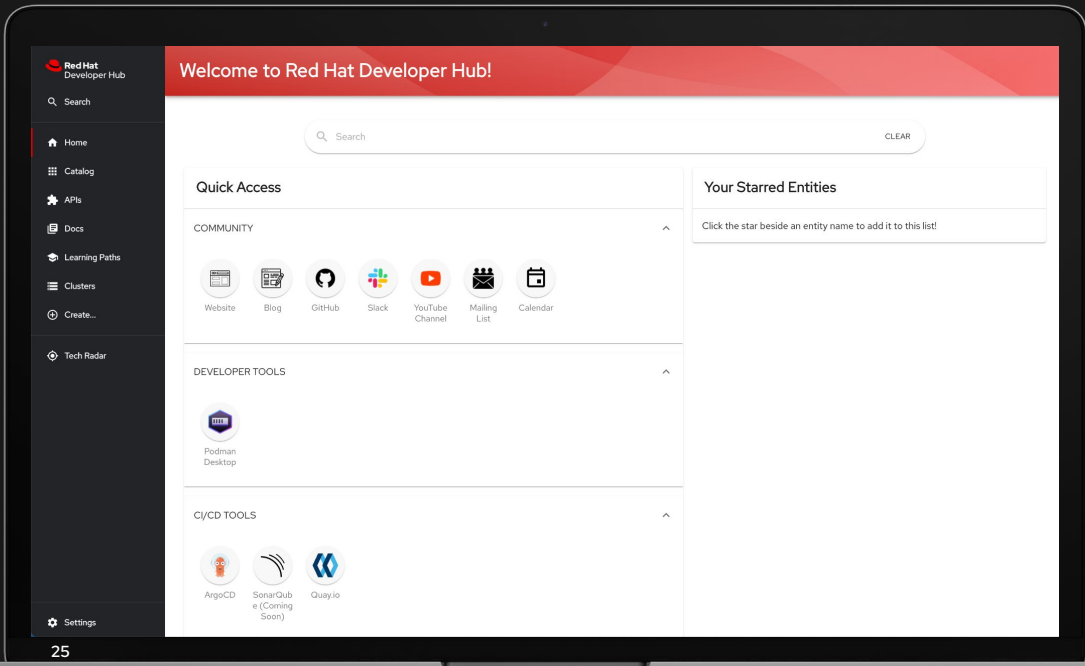
Increases engineering productivity

Software Catalog

Software Templates

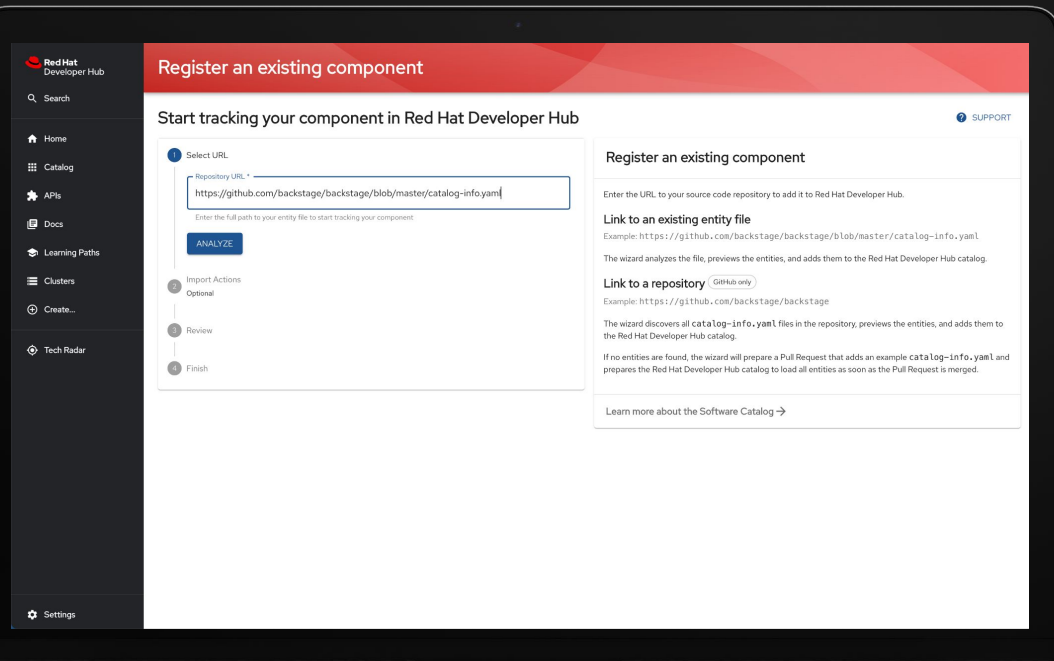
 **Red Hat**  
Plug-ins for Backstage

-  Authentication and Authorization with Keycloak
-  GitOps with Argo CD
-  Pipelines with Tekton
-  Application Topology for Kubernetes
-  Multi Cluster View with Open Cluster Manager (OCM)
-  Container Image Registry for Quay



# Self-service

with guardrails for cloud-native development.



Helps:

- keep **developer workflows rolling** smoothly
- with the **right tools**,
- **validated environments, and on-demand services.**

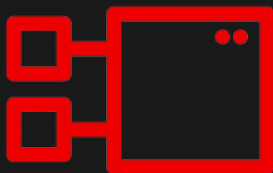
So developers focus on crafting innovative code and not the underlying infrastructure.

Log in with

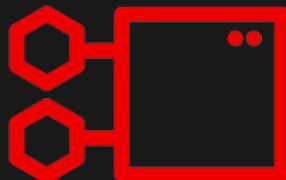
 Red Hat  
OpenShift

# Plugins

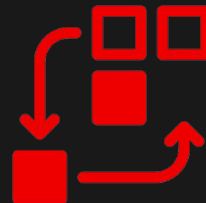
Backstage, Community, Red Hat



Backstage

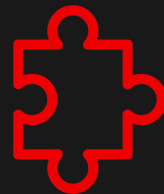
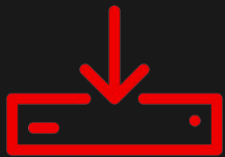


Statically linked



Dynamic

# Red Hat Service Offerings



# A Journey to Awesomeness



DevOps



Self-Service,  
On-Demand,  
Elastic  
Infrastructure



Automation



CI & CD  
Pipelines



Advanced  
Deployment  
Techniques



**Platform  
Engineer  
with an  
IDP**

Red Hat  
**Summit**

# Thank you



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