

Red Hat
Summit

Connect

INPS Internal Developer Platform: la collaborazione tra Extra Red, parte del Gruppo Engineering, e Red Hat per offrire un'esperienza Cloud innovativa

Pierpaolo Bonanni, Responsabile Area Technology Innovation, INPS

Anna Malucchi, DevOps Engineer, Extra Red - Gruppo Engineering

Massimiliano Faticcioni, Solution Architect, Extra Red - Gruppo Engineering

Roma, 7 novembre 2024



Agenda

- INPS technical needs
- Overview Developer Hub
- Developer Hub within the INPS Architecture

INPS platform requirements



Developing new application components quickly and in a standardised way



Simplifying the workflow between teams, reducing coordination actions



Simplifying access to necessary documentation



Minimising requests for assistance from developers to other departments of the institute

Why did INPS choose Extra Red: Developer Hub

INPS chose *Extra Red*, part of *Engineering Group*, for its expertise in implementing **innovative** and **flexible solutions**, and, together with *Red Hat*, developed an always up-to-date, customized **Developer Hub** to meet all the Institute's needs.

The Developer Hub is a strategic choice for any company that wants to **maximise** its **productivity** and stay up-to-date with the latest technological innovations.

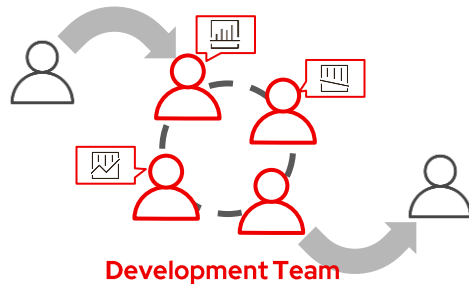
The tool is **flexible**, **extensible** and **configurable** and assumes the role of a 'Single Pane of Glass' for the developer.



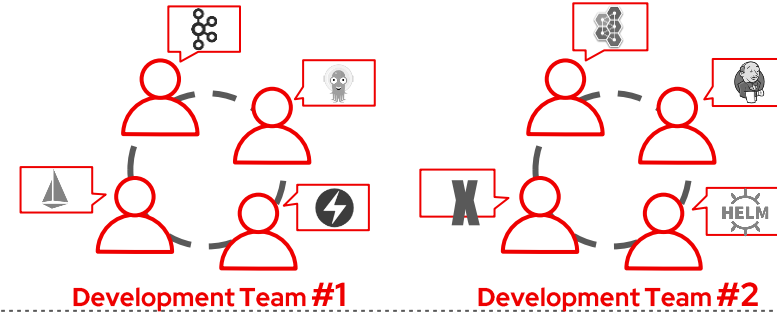
Developer Hub: Solving Developer Challenges

Prevents business to react faster to market changes

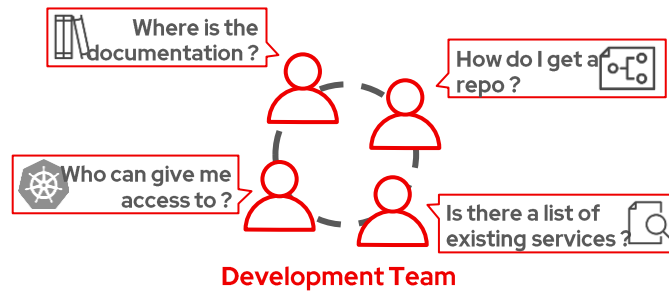
Onboarding Chaos



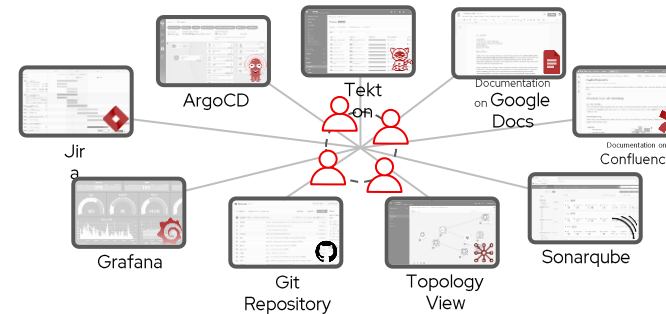
Lack of Standardization



Knowledge Fragmentation

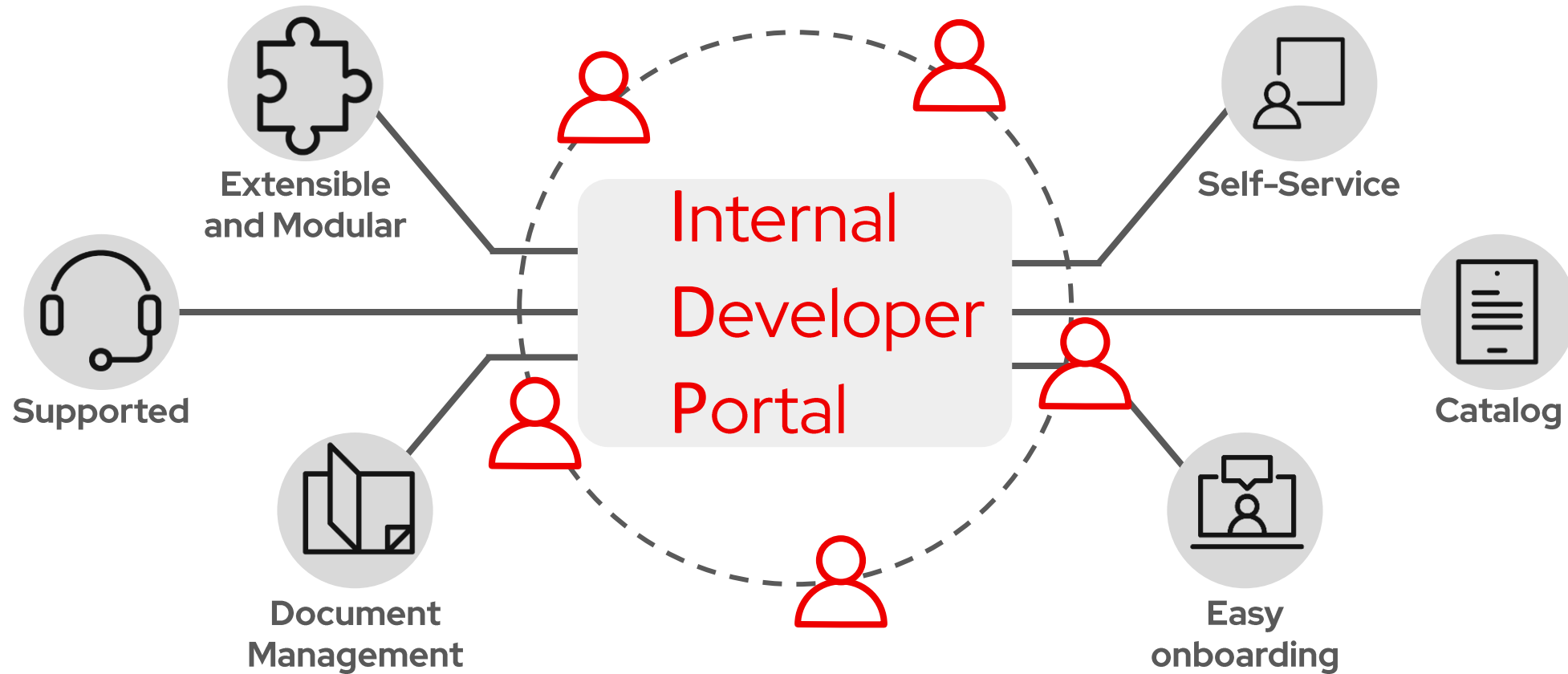


Infinite Bookmarks



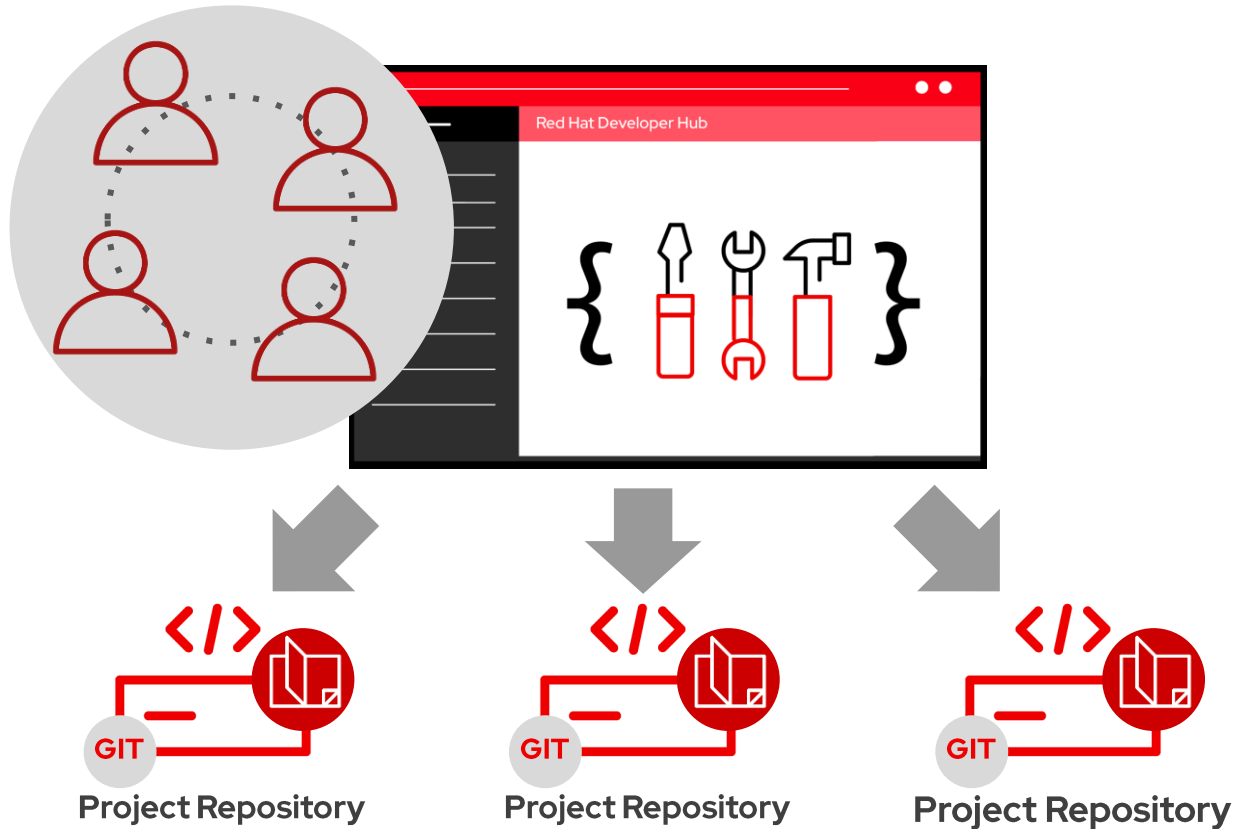
Benefits of Internal Portals for developers

Requirements to boost the development team productivity



What is the methodology used?

Easily create, maintain and find technical documentation using "docs as code" approach



Access to system architecture & application documentation

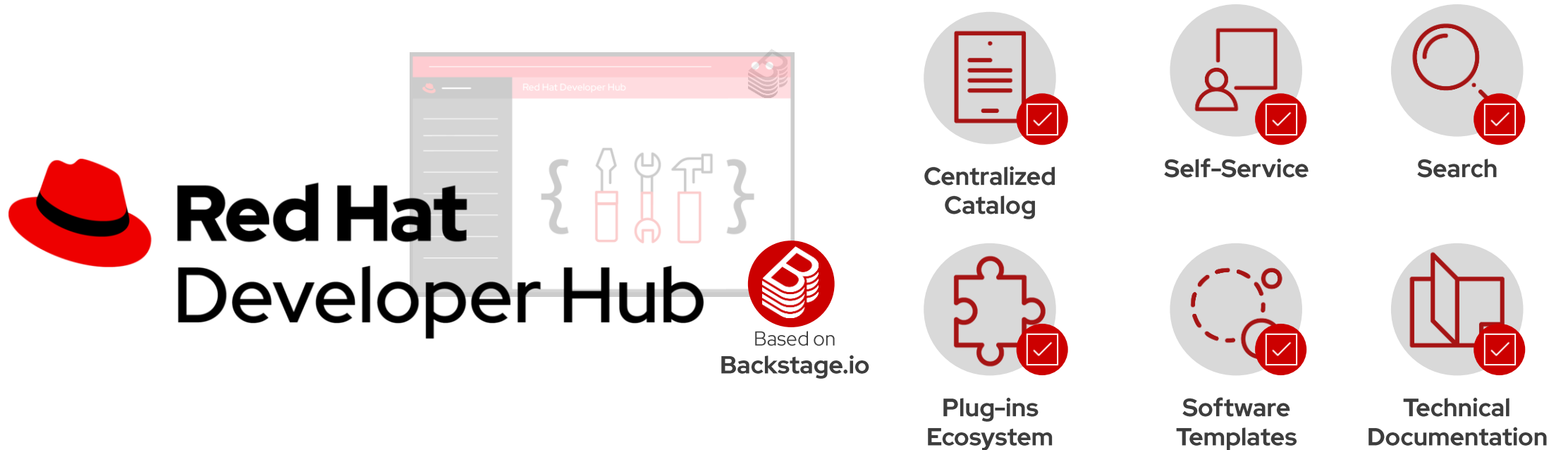
Development team writes documentation in Markdown files that live together with their code, giving others access to system architecture and application documentation when and where they need it.



Representation of documentation that isn't proprietary

All the necessary documentation can be stored in any Git repository and not tied to any proprietary solution

Developer Hub Ecosystem

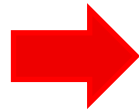


INPS Architecture


**Referenti
INPS**



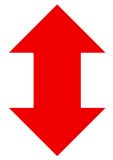
Catalogo
Applicazioni e
Componenti



Sincronizzatore
con entità
Developer Hub



Microservizio
per
elaborazione
dei dati esterni




**Platform
Engineer**



Active Directory

Azure DevOps
(Git e Pipelines)



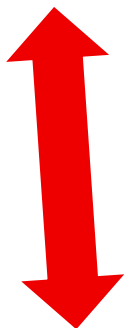
Sincronizzatore
Ruoli e Gruppi
per profilazione



 **Red Hat**
Ansible Automation
Platform

API Gateway

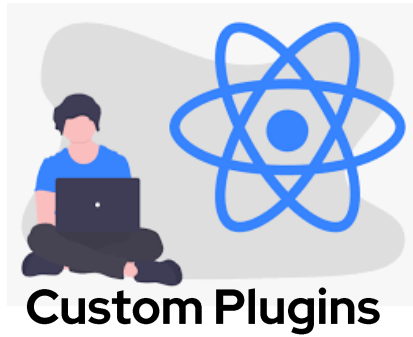
Infra Resources:
Oracle Database
AMQ Streams
.....




Developer



INPS customization



Sincronizzatore
con entità
Developer Hub



Sincronizzatore
Ruoli e Gruppi
per profilazione

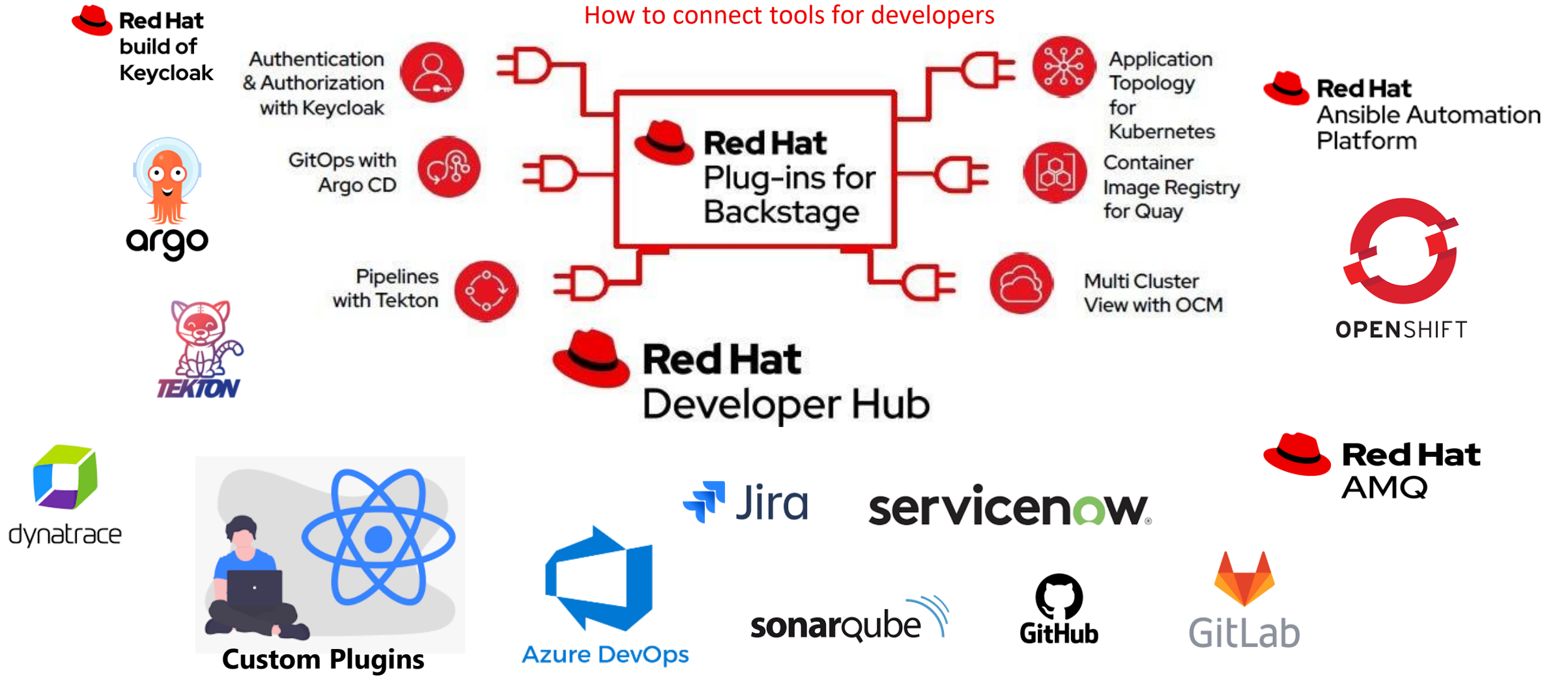


API Gateway

Microservizio
per
elaborazione
dei dati esterni

Developer Hub: External Systems Integration

How to connect tools for developers



Red Hat
Summit

Connect

Thank you

