

# Cloud Pak for Data Introduction

**IBM Developer**



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Cloud Pak for Data uses  
some thing with the best  
of IBM Data/AI and open  
source tools

# Projects vs. Products

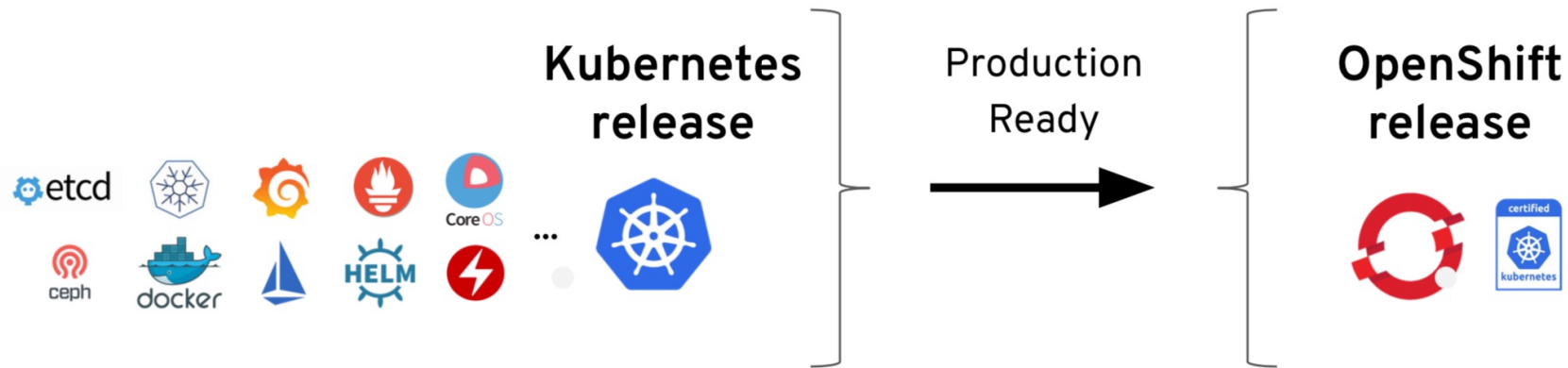


Production-Grade Open Source Project
quarterly minor releases, no Long Term Support
community support
platform certification: (AKS, EKS, GKE, IKS)
core framework / limited security
platform or user responsible to integrate beyond core

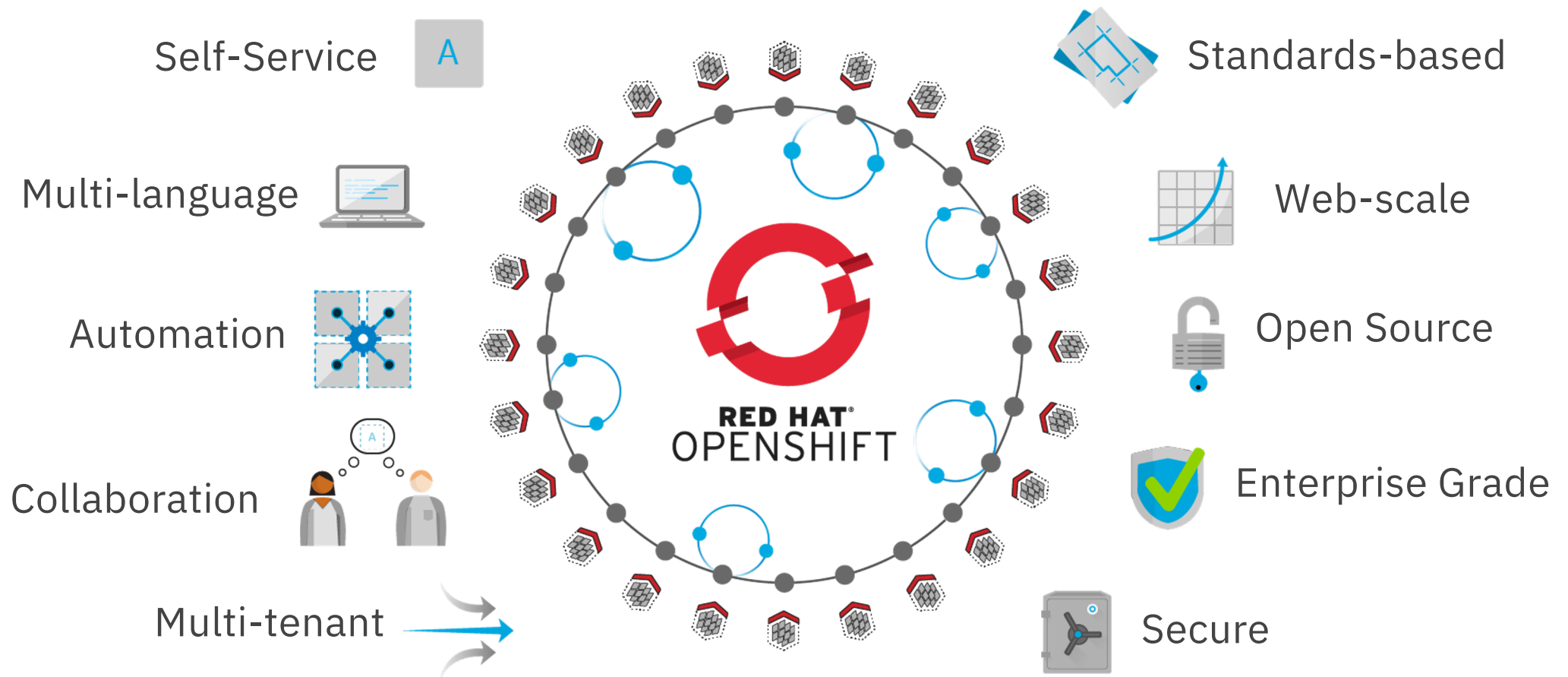


Production-Grade Open Source based Product
quarterly releases, support for major release 3+ years
enterprise support
ecosystem certification: platform and app containers
k8s core plus abstractions / dashboard / security
opinions and integration of common features

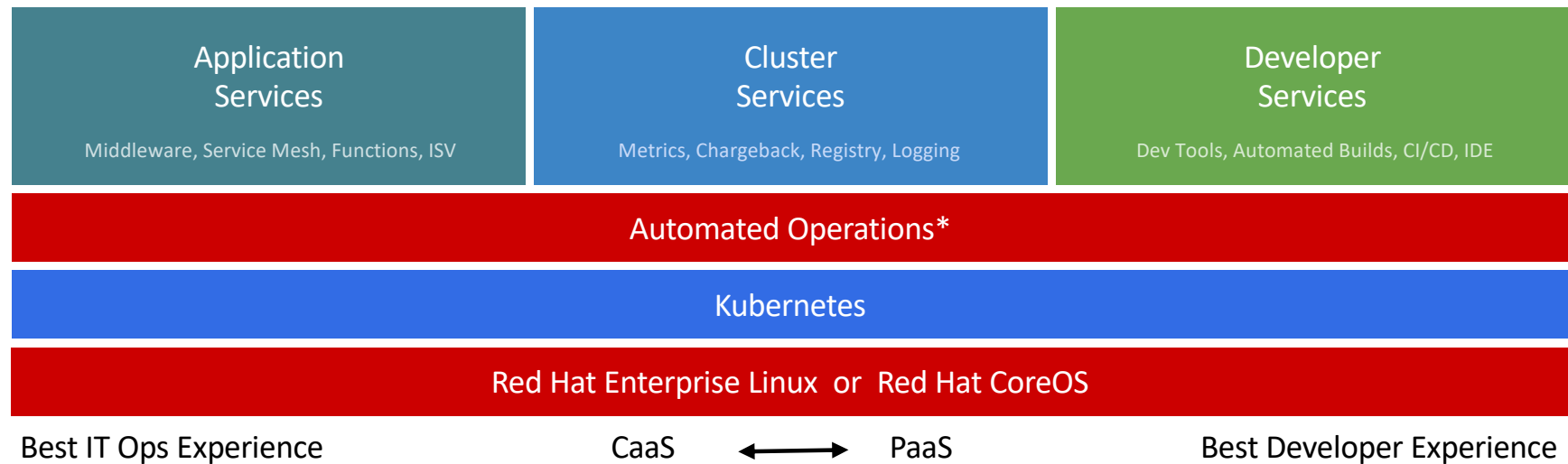
# OpenShift is trusted enterprise Kubernetes



- Hundreds of defect and performance fixes
- 200+ **validated** integrations
- Certified container ecosystem
- 9-year enterprise life-cycle management
- Red Hat is a leading Kubernetes contributor since day 1

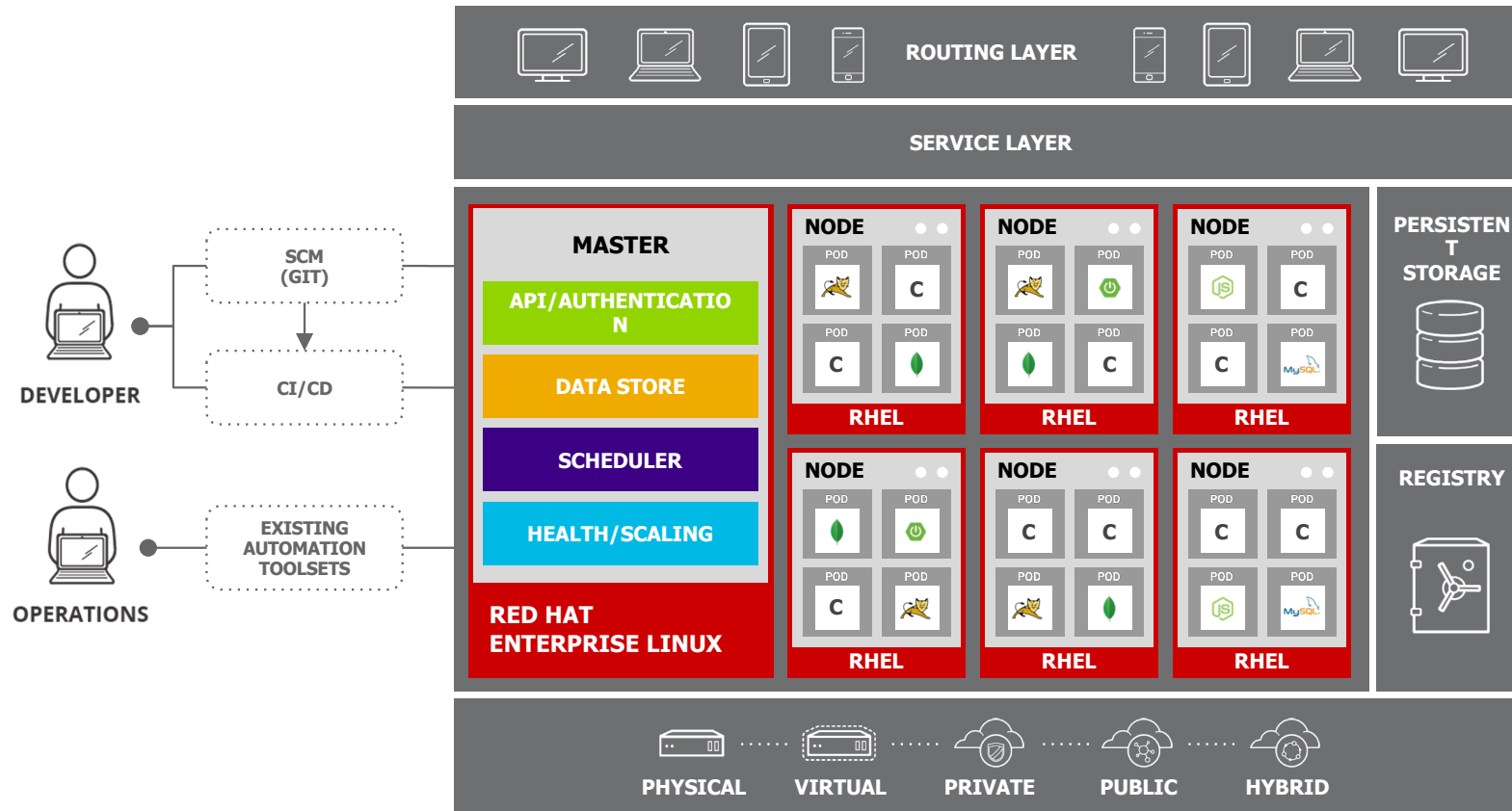


# OpenShift Container Platform



\*coming soon

# OpenShift Architecture





# Container runtime



A lightweight, OCI-compliant container runtime

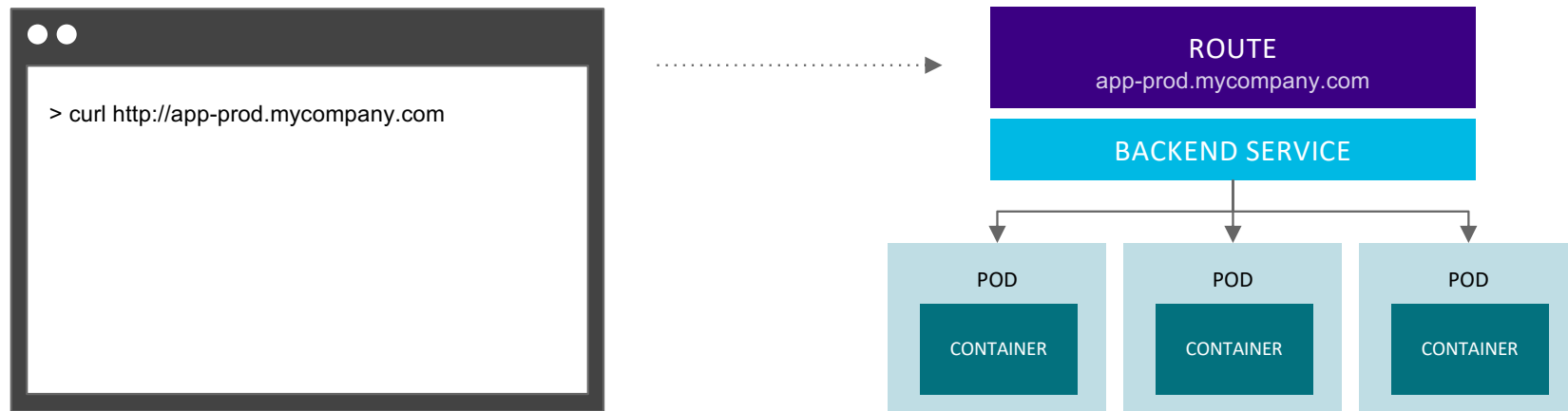
Minimal and Secure  
Architecture

Optimized for  
Kubernetes

Runs any OCI-compliant  
image (including docker)

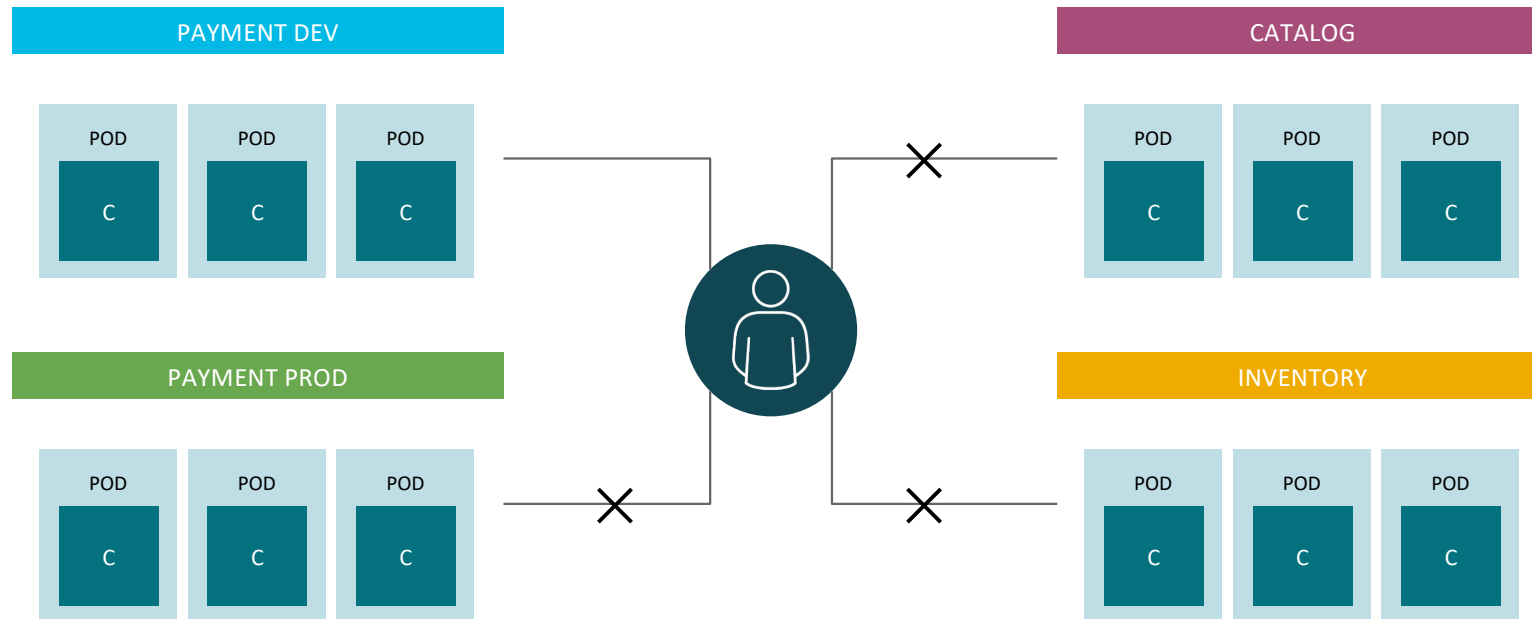
# Routes

routes add services to the external load-balancer and provide readable urls for the app

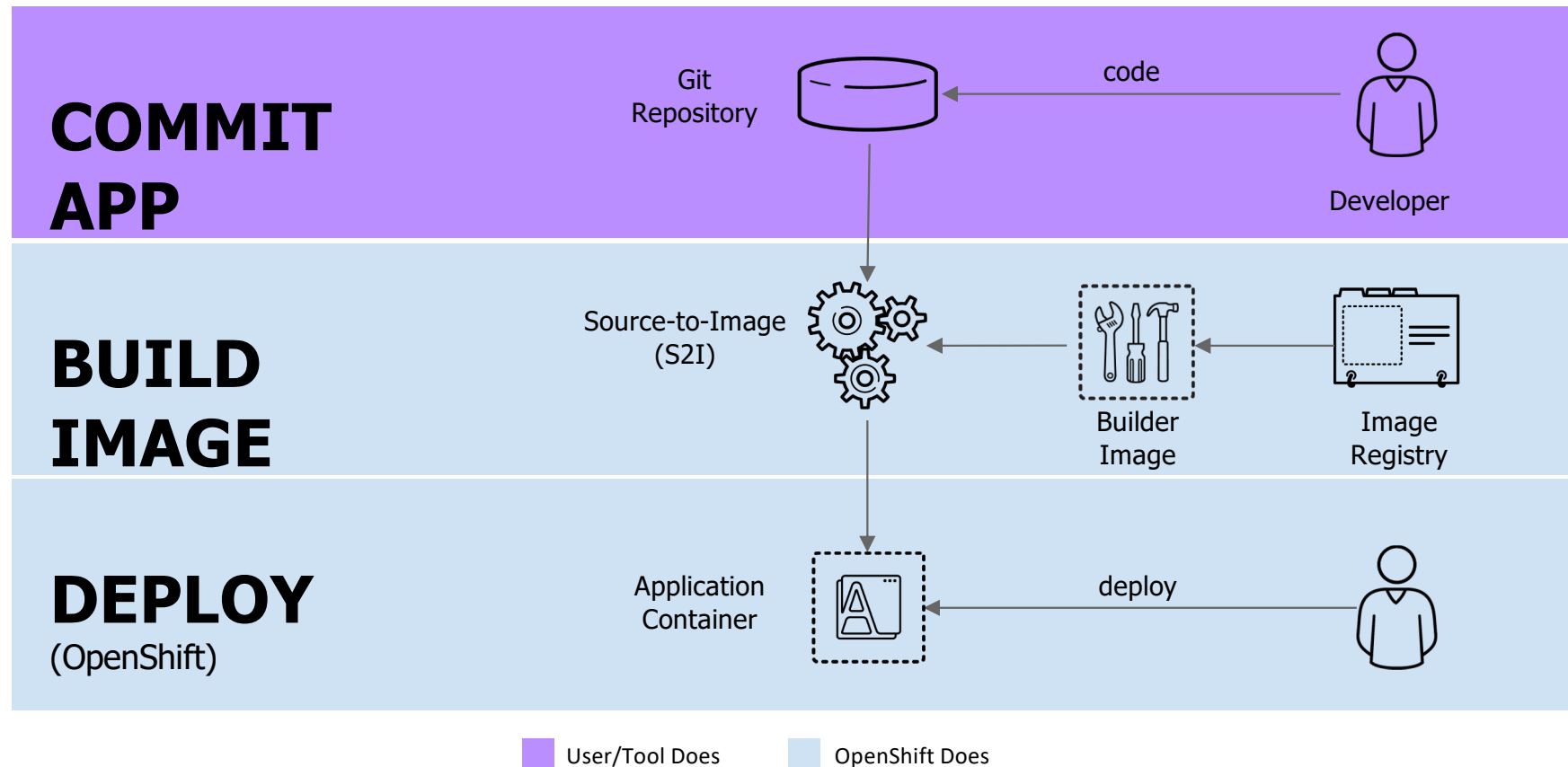


Projects – extends k8s namespaces

projects isolate apps across environments,  
teams, groups and departments

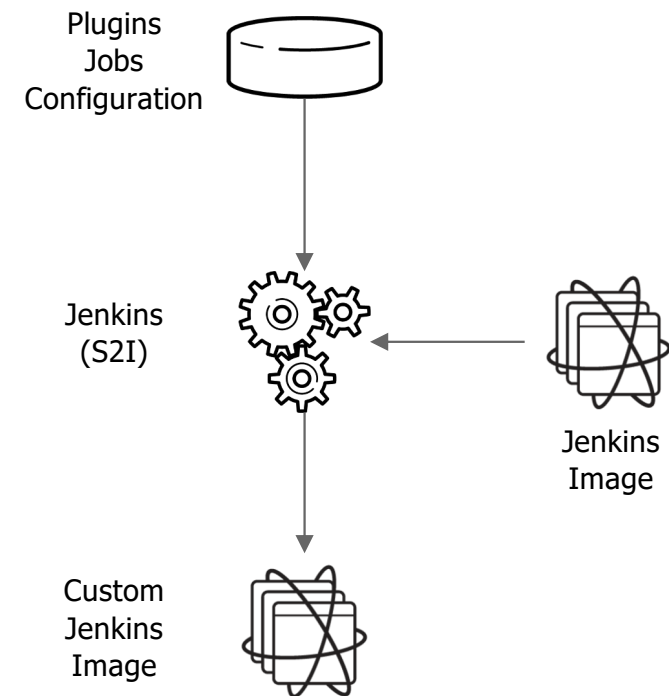


# Source-to-Image

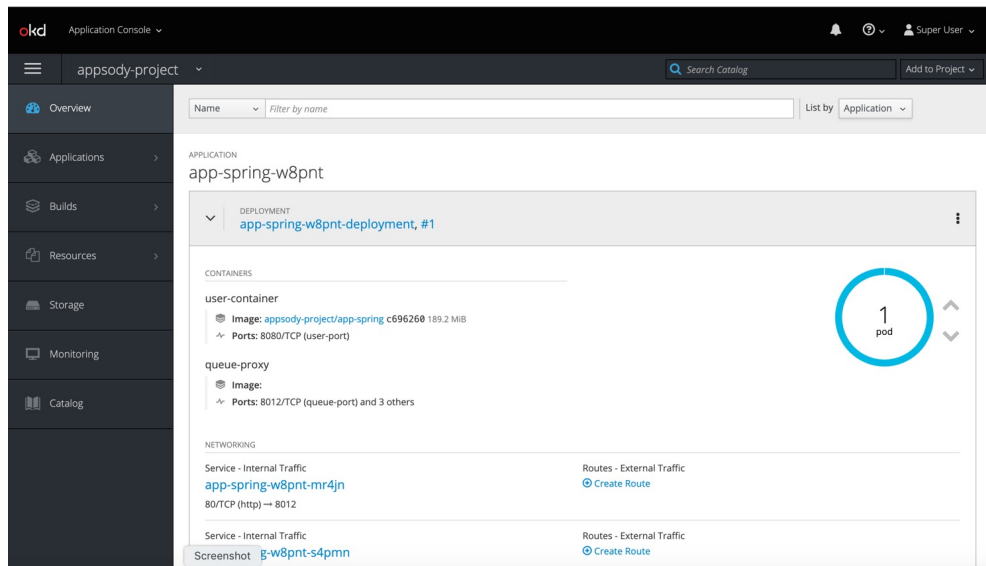


# Jenkins-as-a-Service

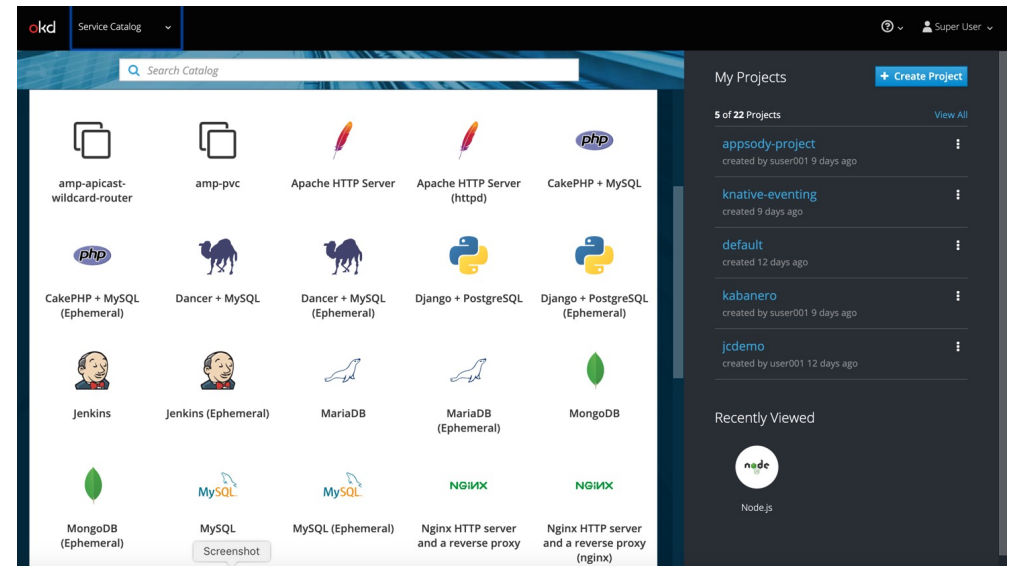
- Certified Jenkins images with pre-configured plugins
  - Provided out-of-the-box
  - Follows Jenkins 1.x and 2.x LTS versions
- Jenkins S2I Builder for customizing the image
  - Install Plugins
  - Configure Jenkins
  - Configure Build Jobs
- OpenShift plugins to integrate authentication with OpenShift and also CI/CD pipelines
- Dynamically deploys Jenkins slave containers



# Web Console



Application dashboard



Service Catalog

# IBM Cloud Paks

*A faster, more secure way to move your core business applications to any cloud through enterprise-ready containerized software solutions*

## IBM containerized software

Packaged with Open Source components, pre-integrated with the common operational services, and secure by design



## Container platform and operational services

Logging, monitoring, security, identity access management



## Complete yet simple

*Application, data and AI services, fully modular and easy to consume*

## IBM certified

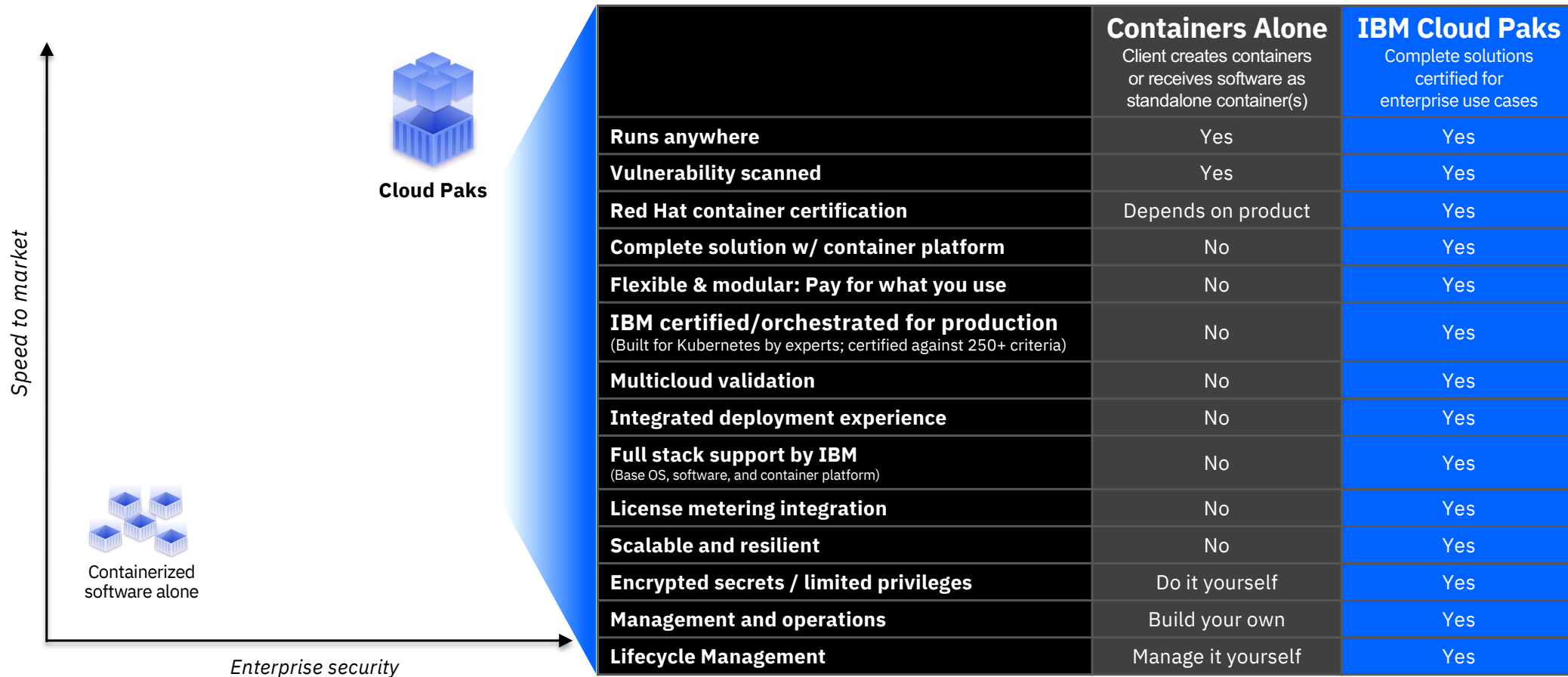
*Full software stack support, and ongoing security, compliance and version compatibility*

## Run anywhere

*On-premises, on private and public clouds, and in pre-integrated systems*



# IBM Certified and production ready





# Organized by Capability

