



17. OpenShift Anwendertreffen

Einführung in Red Hat OpenShift

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What we'll show you today

- ▶ OpenShift & Open source
- ▶ OpenShift Core Concepts
- ▶ Show an OpenShift Application
- ▶ Hands-on OpenShift



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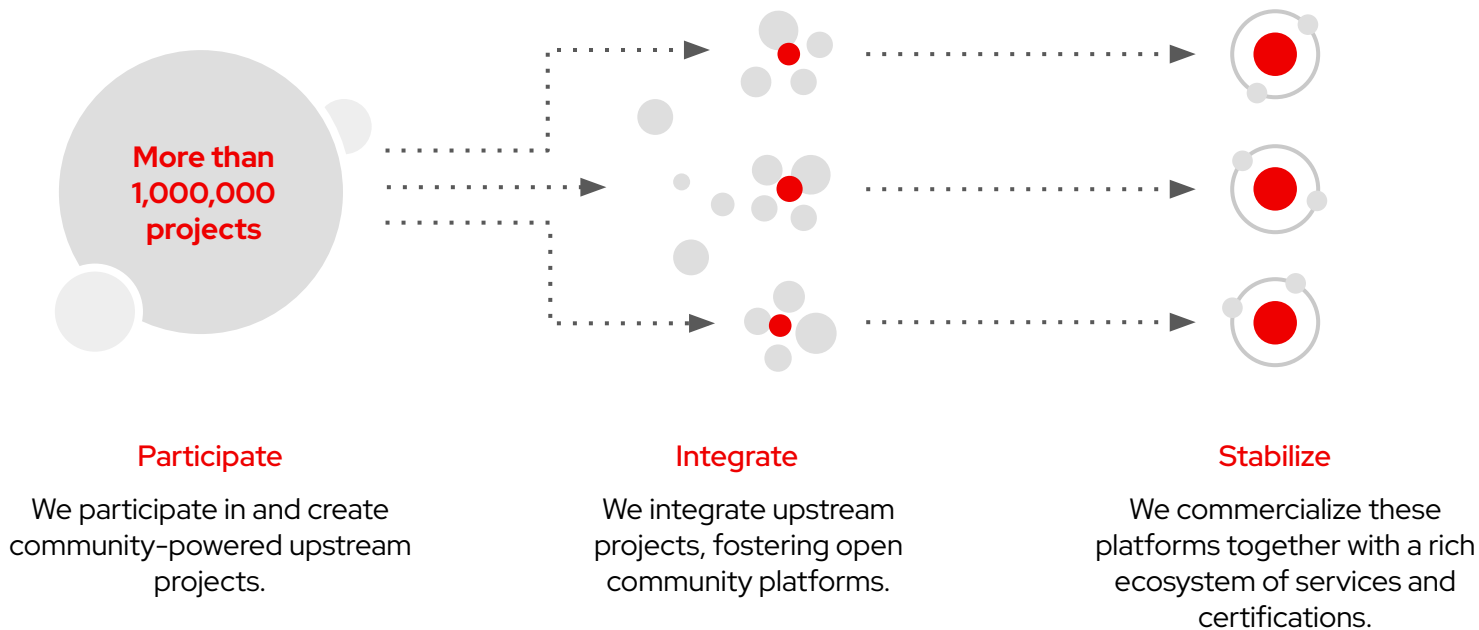
Red Hat is an enterprise software company with an open source development model.

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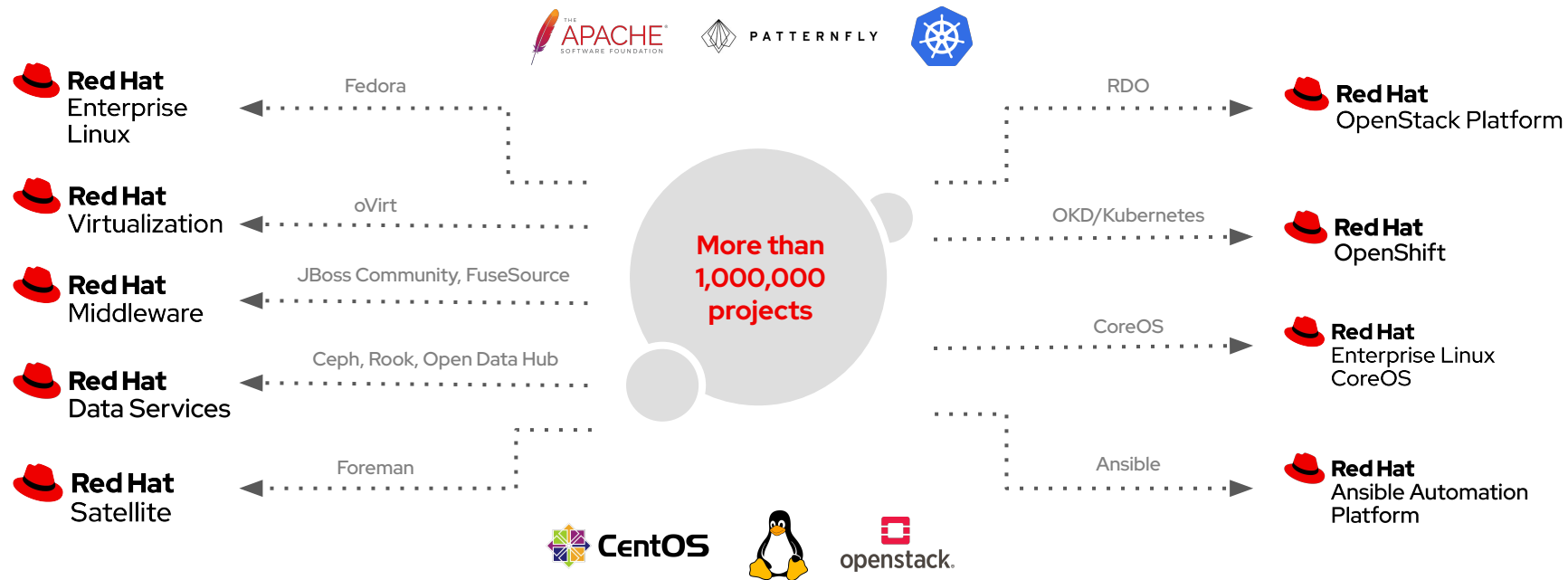


Paul Cormier
President and CEO

Product development model



From communities to enterprise





OpenShift is the platform
built for cloud native
application development and
deployment across the hybrid
cloud



Red Hat OpenShift



Ready for IT operators

- ▶ Automate processes. Reduce complexity.
- ▶ Operate more securely from end to end.



Empowering developers

- ▶ Code fast with familiar tools.
- ▶ Rapidly deliver without roadblocks.



Proven for business leaders

- ▶ Choose a platform to power business today.
- ▶ Create a cloud strategy for the future.

Red Hat OpenShift is for every innovator.

Red Hat customers have common needs & challenges



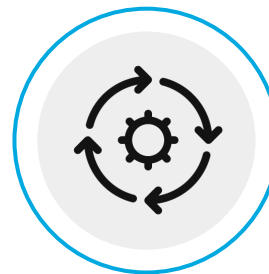
Hybrid cloud infrastructure

Build the foundation for the future, while managing costs to speed progress



Cloud-native development

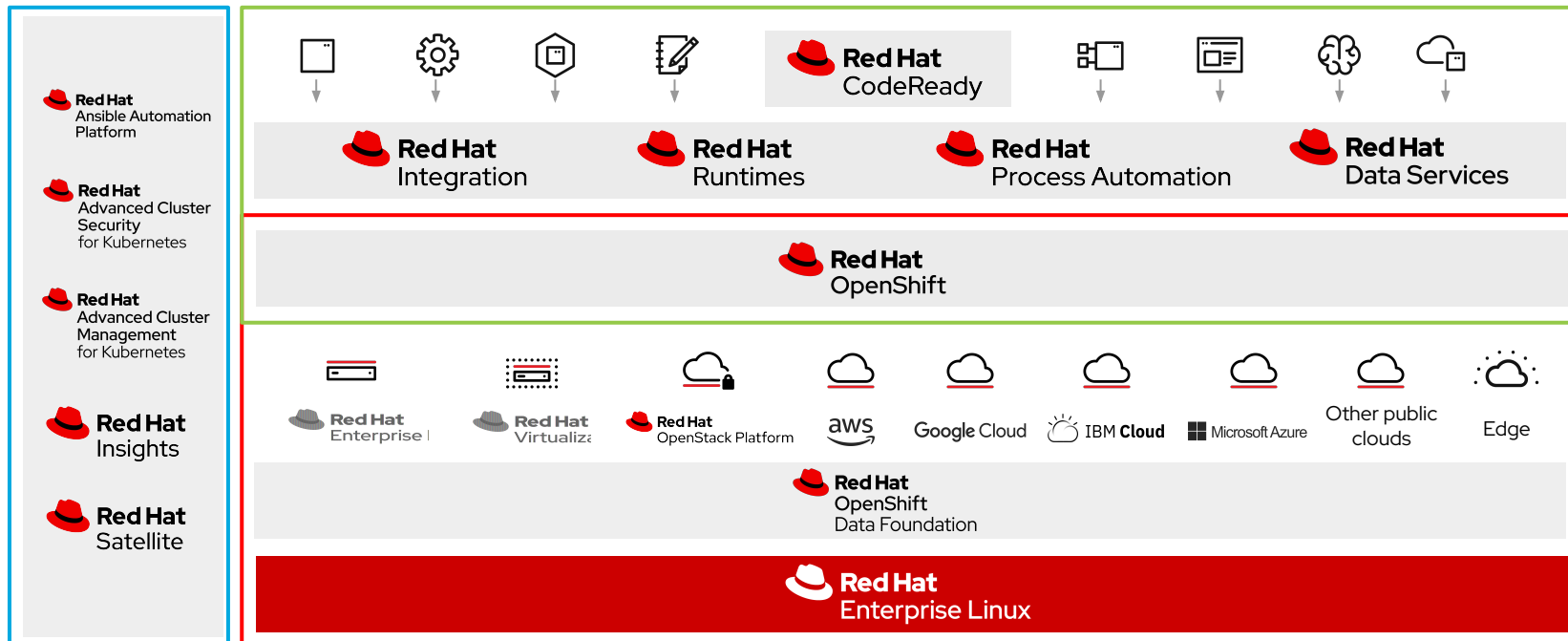
Accelerate application development, innovation, & delivery

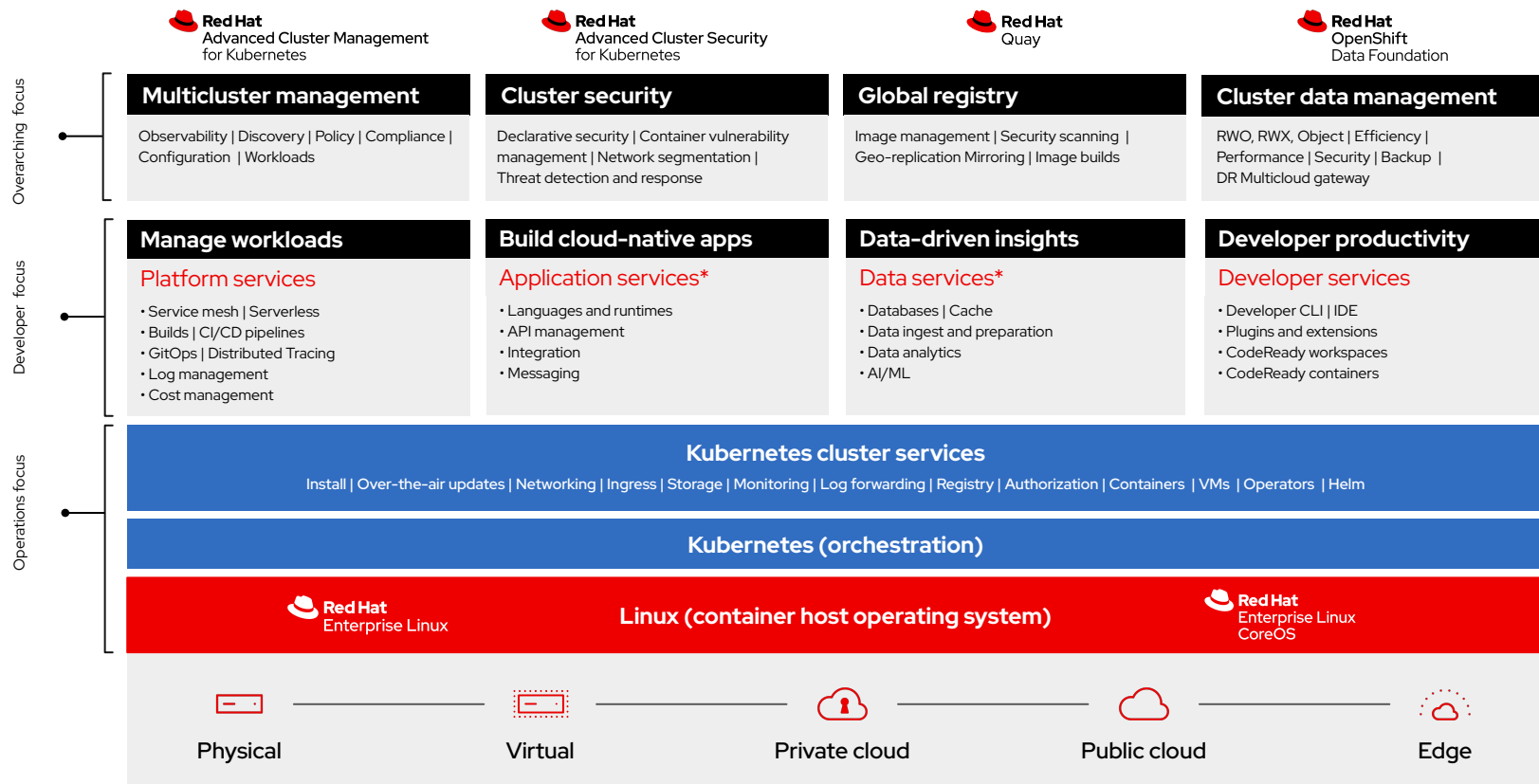


IT automation & management

Automate infrastructure & applications so you can do more without sacrificing stability

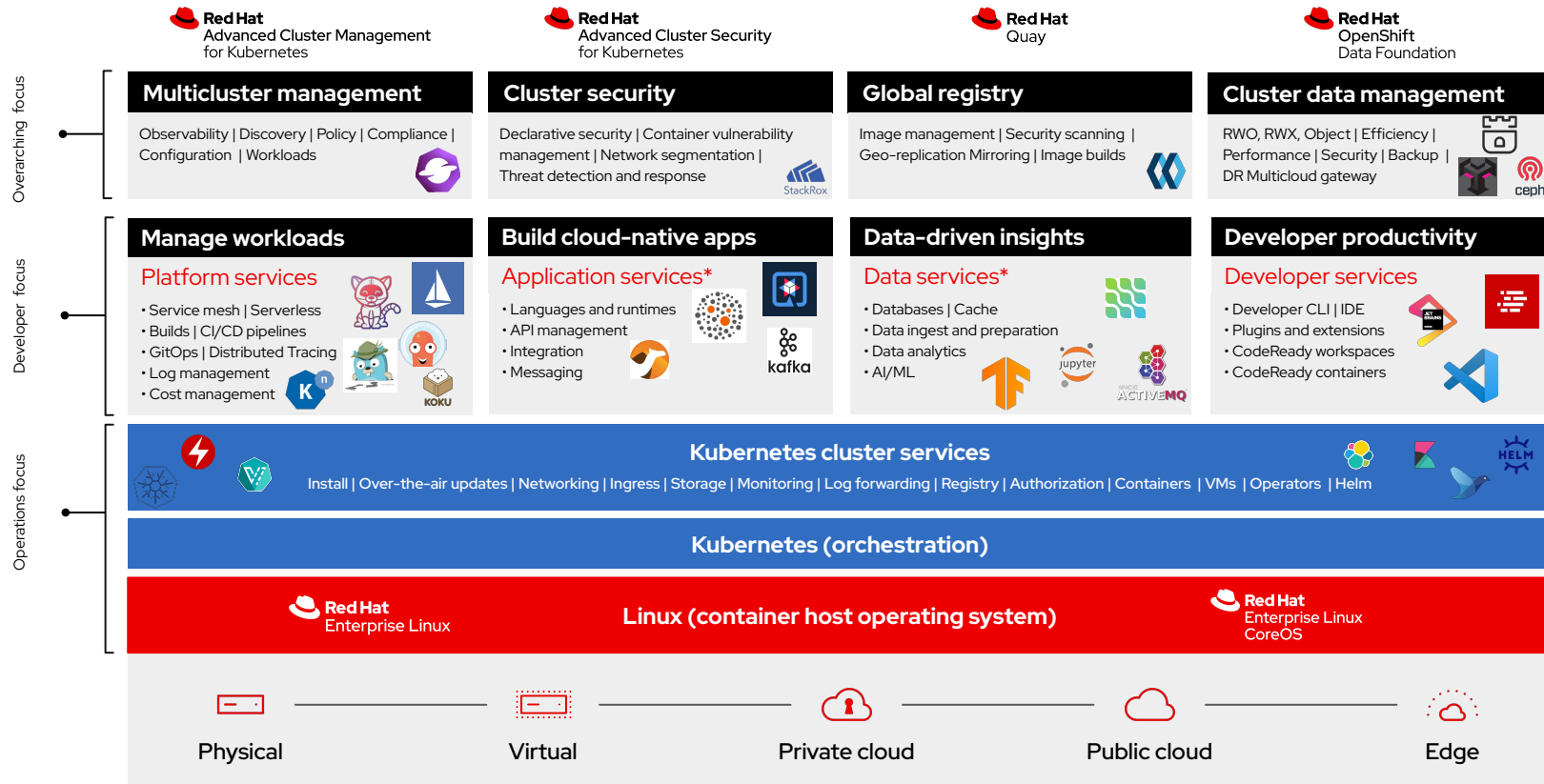
Addressing these challenges with a broad portfolio





* Red Hat OpenShift® includes supported runtimes for popular languages/frameworks/databases. Additional capabilities listed are from the Red Hat Application Services and Red Hat Data Services portfolios.

** Disaster recovery, volume and multicloud encryption, key management service, and support for multiple clusters and off-cluster workloads requires OpenShift Data Foundation Advanced



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What does Red Hat OpenShift look like?

OpenShift Core Concepts

What is a Container?



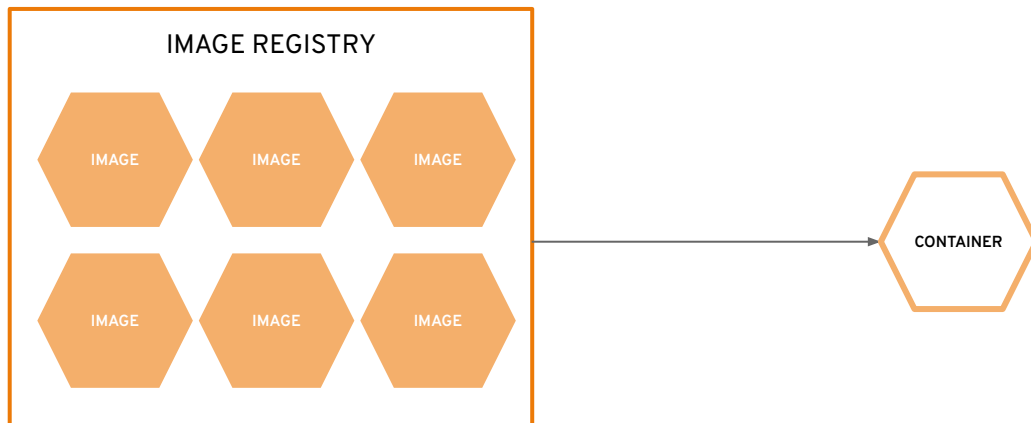
a container is the smallest compute unit



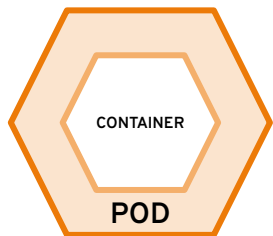
containers are created from container images



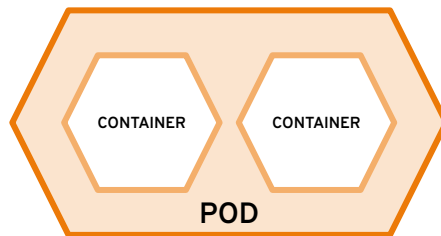
container images are stored in an image registry



containers are wrapped in pods which are units of deployment and management



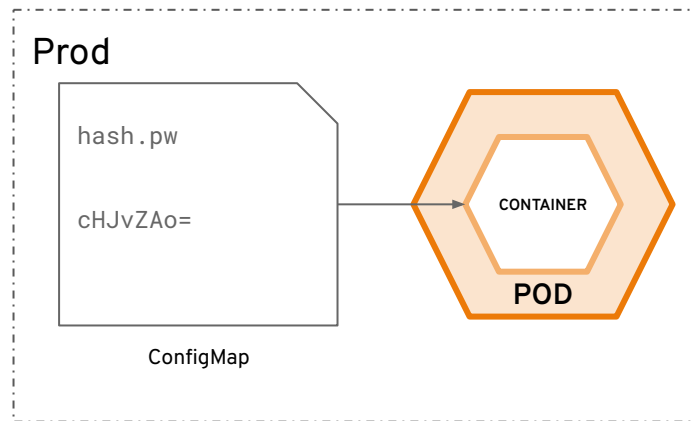
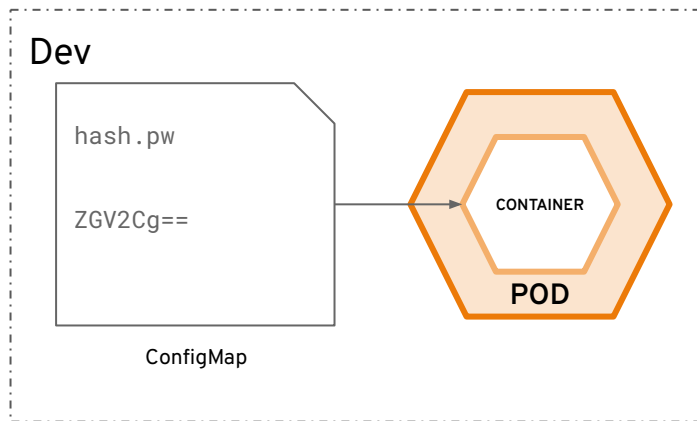
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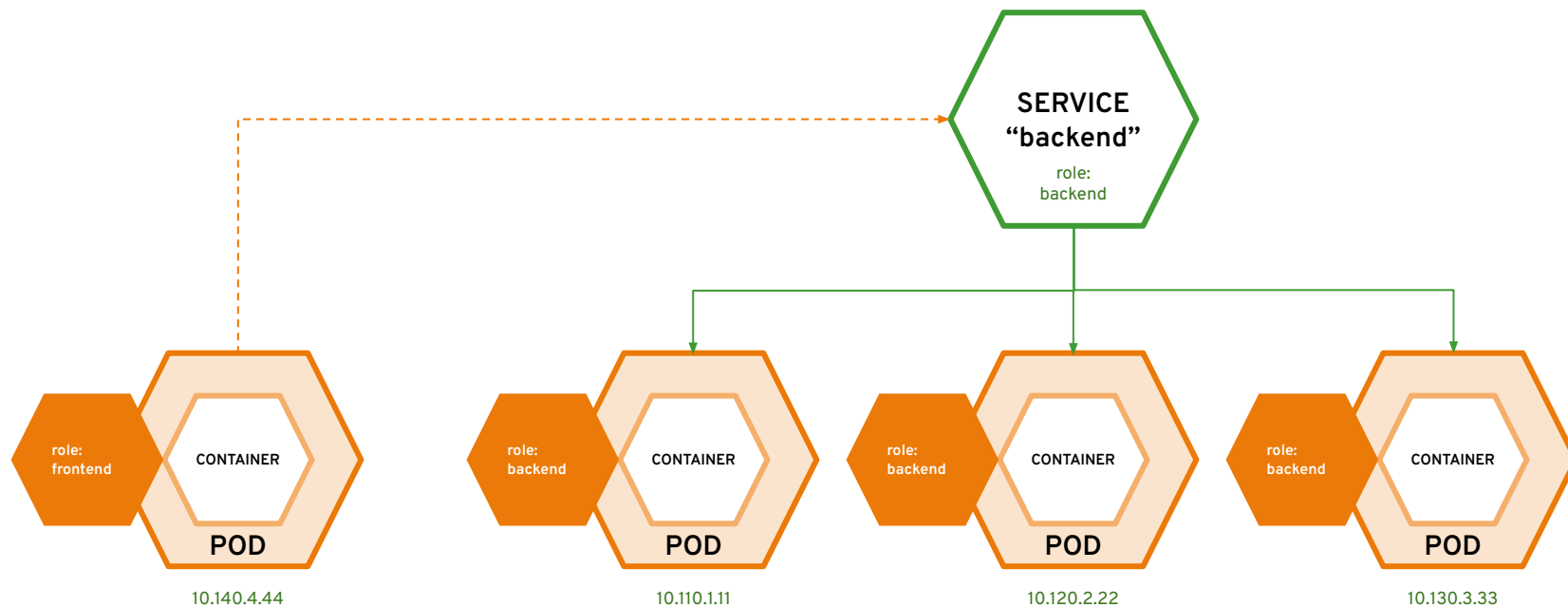
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How does it look in Red Hat OpenShift?

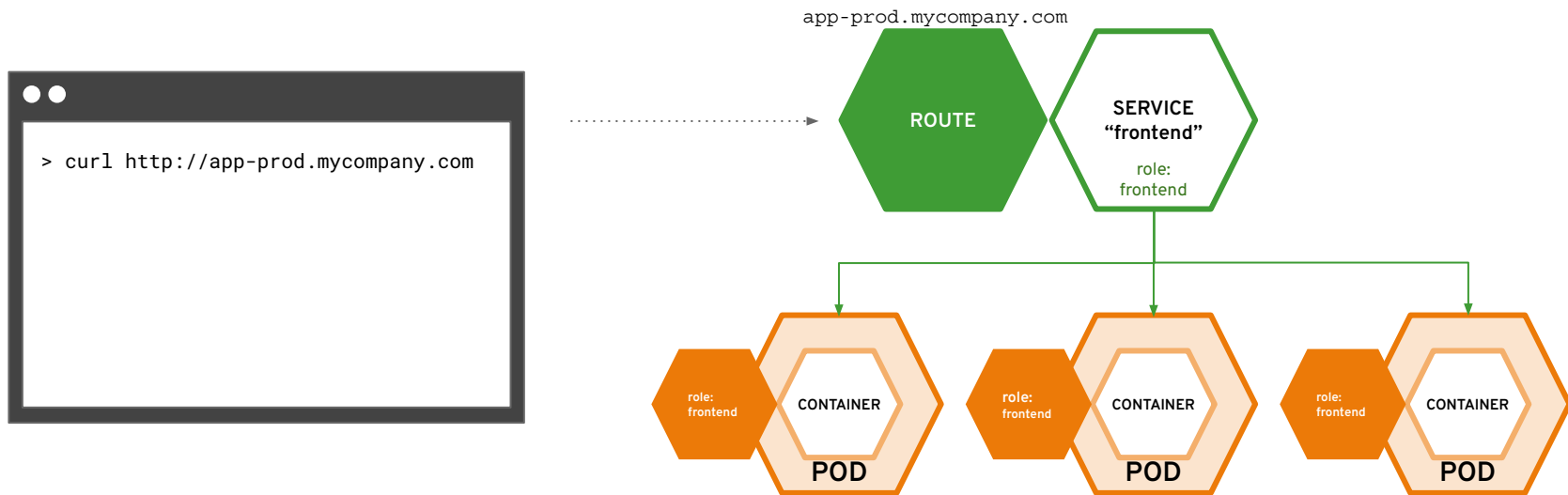
secrets provide a mechanism to hold sensitive information such as passwords



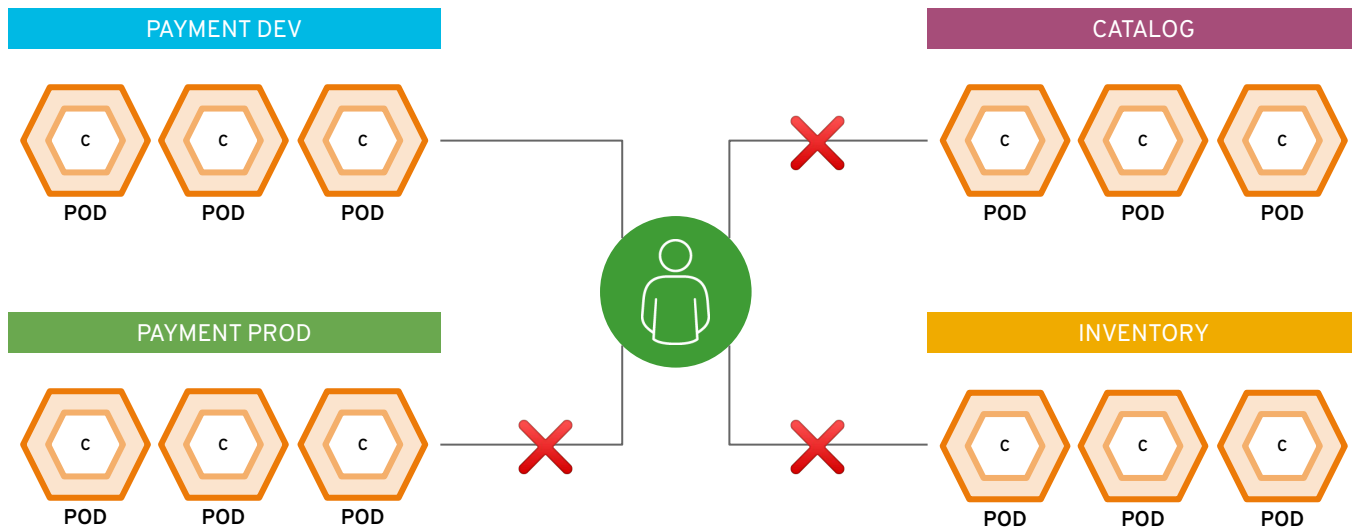
apps can talk to each other via services



routes make services accessible to clients outside the environment via real-world urls



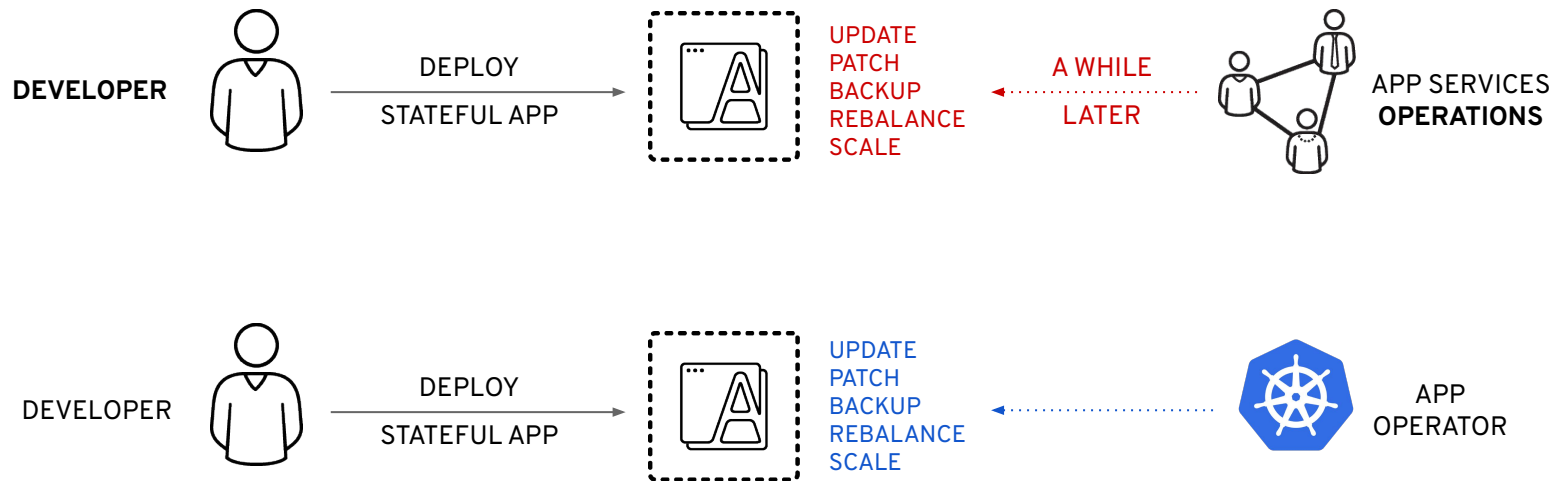
projects isolate apps across environments,
teams, groups and departments



Show an OpenShift Application

Let's get in to it!

What is an Operator?



Hands-on OpenShift

Skills path for Red Hat Certified Specialist in OpenShift Administration



Red Hat Certified System Administrator | Required certification



Deploying Containerized Applications Technical Overview | DO080 • 2 hours • Free



Red Hat OpenShift I: Containers & Kubernetes | DO180 • 3 days • Recommended



Red Hat Certified Specialist in Containers and Kubernetes exam | EX180 • 2 hours • Recommended



Red Hat OpenShift Administration II: Operating a Production Kubernetes Cluster
| DO280 • 3 days • Recommended



Red Hat Certified Specialist in OpenShift Administration | EX280 • 3 hours • Required



Certification



Course



Exam



Required



Free



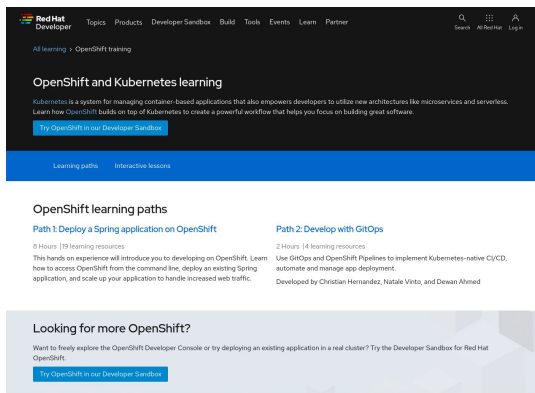
Recommended



Red Hat

(Free-of-charge) OpenShift training

<https://developers.redhat.com/learn/openshift>



Getting Started with
OpenShift for Developers

on

Red Hat OpenShift Playground

Red Hat CodeReady Containers



A vertical red graphic on the left side of the slide. It contains various white icons: a cloud with a keyhole, a database cylinder, a server rack, a computer monitor, a large upward arrow, and several 'X' marks. The background of the entire slide is white.

Thank you

Red Hat is the world's leading provider of enterprise open source software solutions. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500.



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