

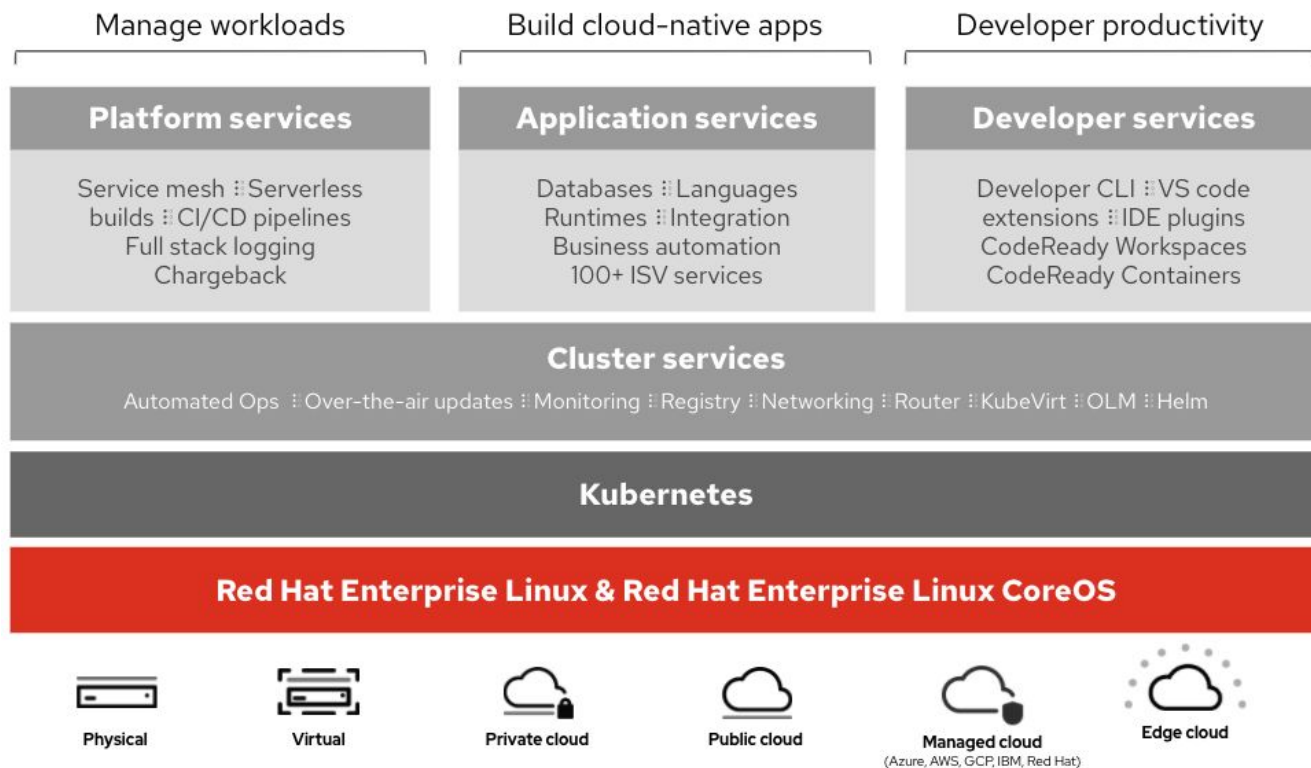


Faster Dev and Easier Ops

with OpenShift 4

OpenShift 4

Designed to significantly improve the way applications are developed and clusters are deployed and managed



Automated, full-stack installation from the container host to application services

Seamless Kubernetes deployment to any cloud or on-premises environment

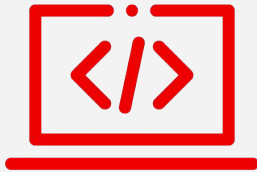
Autoscaling of cloud resources

One-click updates for platform, services, and applications

Developer tools and services to support your preferred workflows

Develop at the Speed of Light

Get code running faster, more efficiently, and more securely - only on OpenShift 4



Developer Onboarding in Minutes, Not Weeks

Use browser based **Code Ready Workspaces** to make developers productive faster and ensure code is secure.

See Your Changes Faster

OpenShift Pipelines leverage Kubernetes primitives resulting in faster builds and less overhead when pushing code.

Run on demand with Serverless

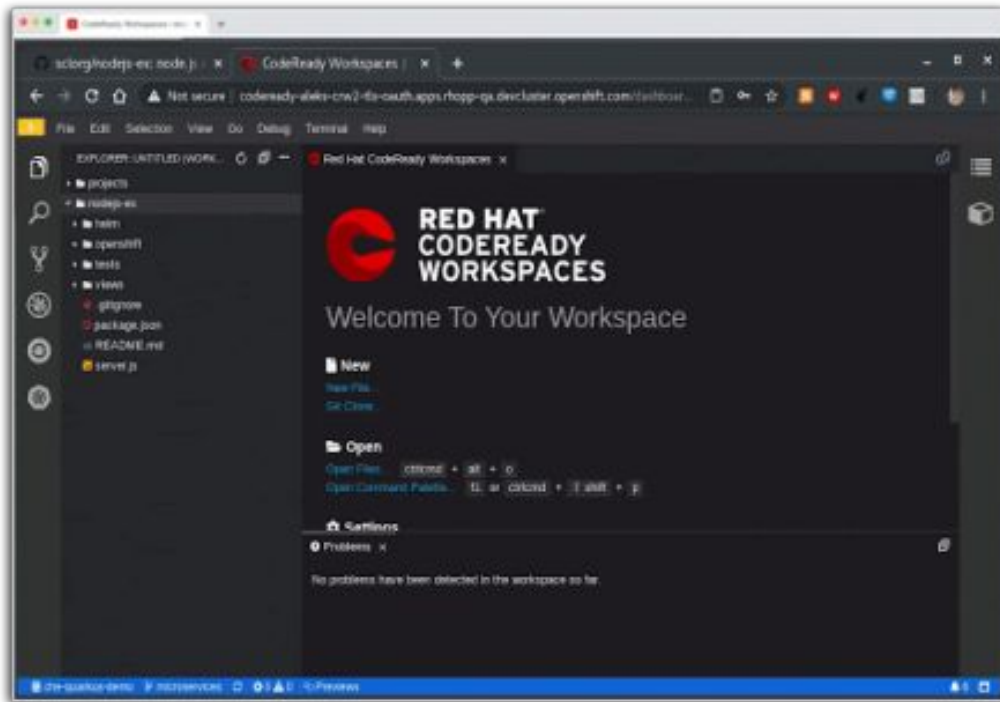
Scale from zero to meet demand based on common events with **OpenShift Serverless**.

Debug Microservices Quickly

Manage traffic, trace, and visualize communication between microservices components with **OpenShift Service Mesh**.

Code Ready Workspaces

Cloud-Native IDE for secure and fast code development



Click for Demo



Based on the open Eclipse Che project (>10M pulls)

Devfiles provide developer environments as code

Extensible with VS Code extension compatibility



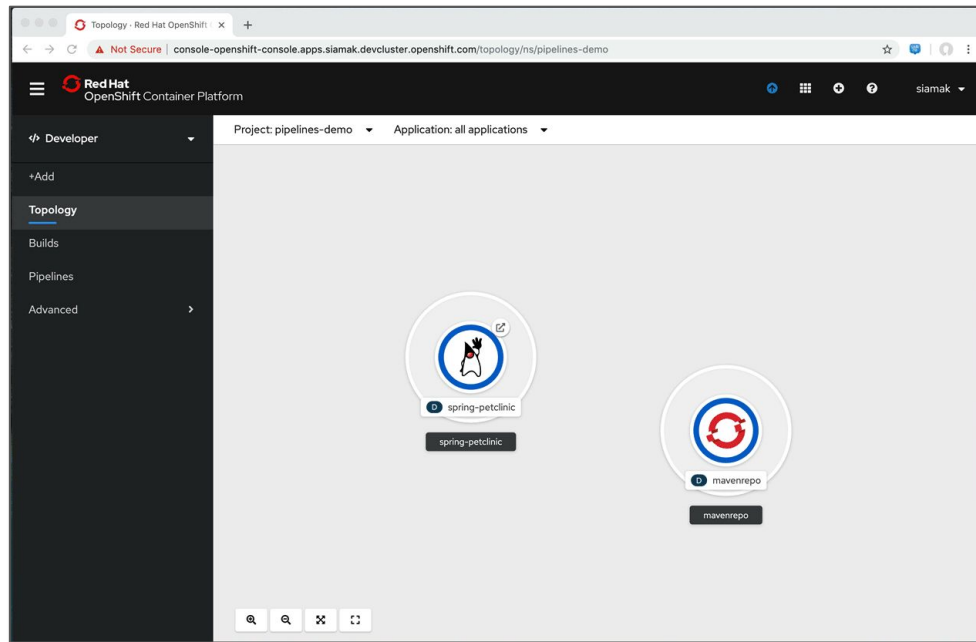
Onboard developers faster

Easily monitor and operate with Prometheus and Grafana dashboards

Reduce risk of security vulnerabilities in applications

OpenShift Pipelines

Kubernetes Native Continuous Integration and Continuous Deployment



[Click for Demo](#)



Kubernetes-native declarative Pipelines with Tekton

Serverless CI/CD with no single server to share or maintain

Standard and portable to any Kubernetes platform



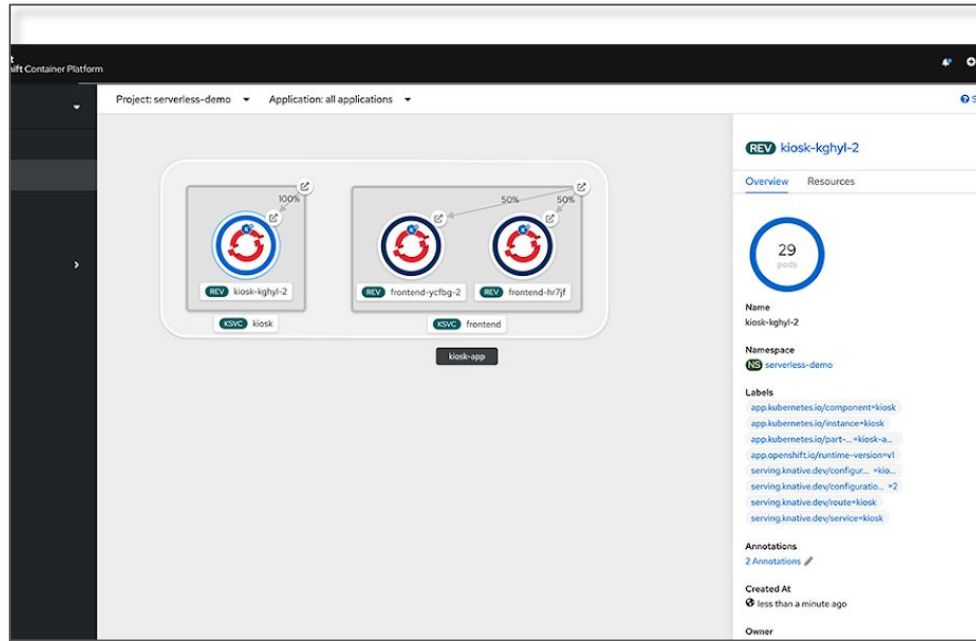
Deploy code to production faster

Reduce complexity with integrated CI/CD

Web, CLI, and VS Code and IDE plugins

OpenShift Serverless

Serverless Building Blocks for Any Container Workload



[Click for Demo](#)



Powered by the Knative open source project

Built-in versioning, traffic splitting, and more

Trigger serverless containers from a variety of event sources



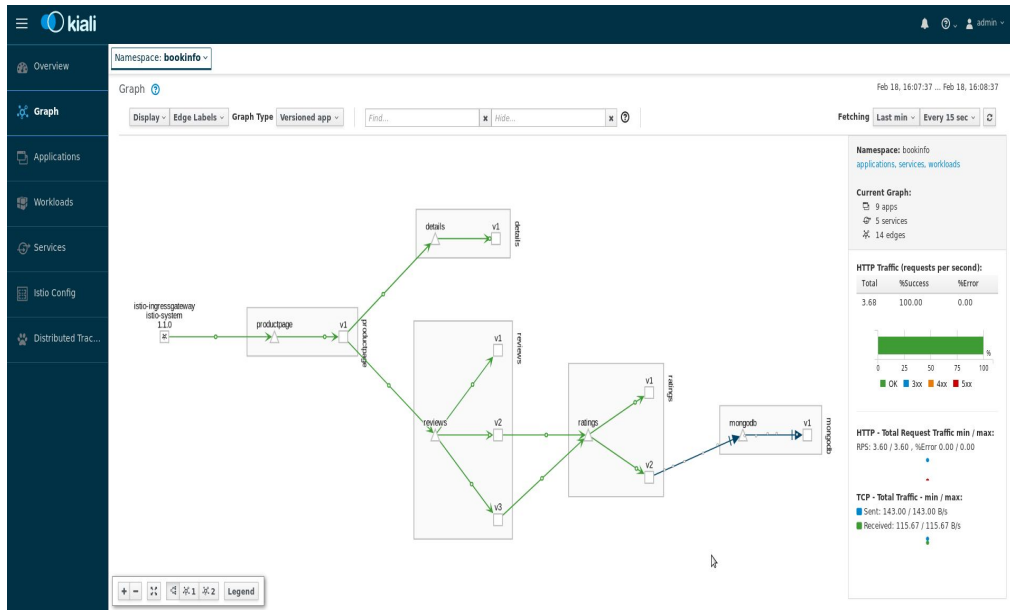
Go from container to URL in seconds

Scale up or to zero on demand

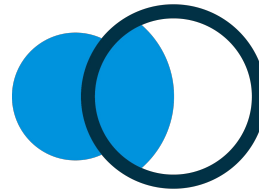
Make use of over 100+ event sources

OpenShift Service Mesh

Connect, manage, and observe microservices-based applications



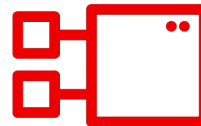
[Click for Demo](#)



Istio: Integrate and manage traffic flows across services

Jaeger: Track requests with in depth tracing between services

Kiali: Visualize and monitor traces



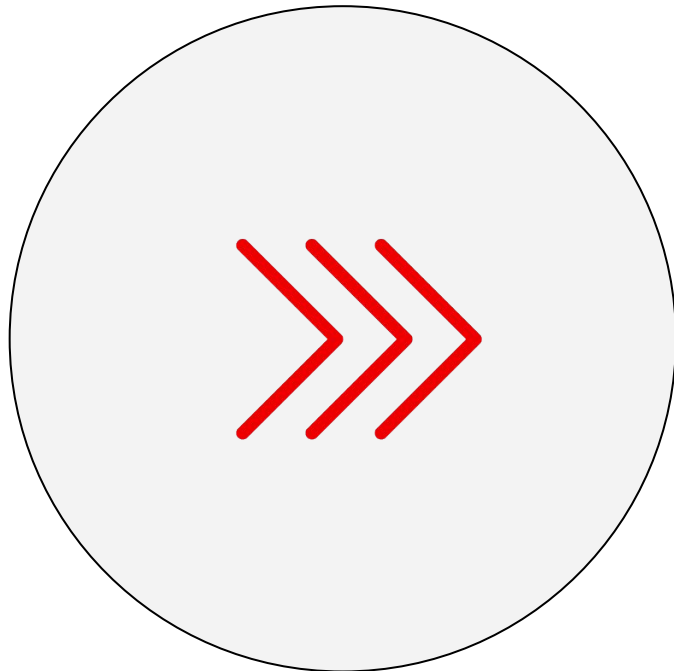
Integrate communication policies without changing application code

Reduce complexity of application code and cost to maintain

Gain behavioral insight into your services

Modernize Your World

Self-managed clusters with automated operations to increase stability and scalability



Bring your VMs into the Future

Integrate existing virtual machines with your microservices based applications seamlessly with **OpenShift Virtualization**

Migration Toolkits

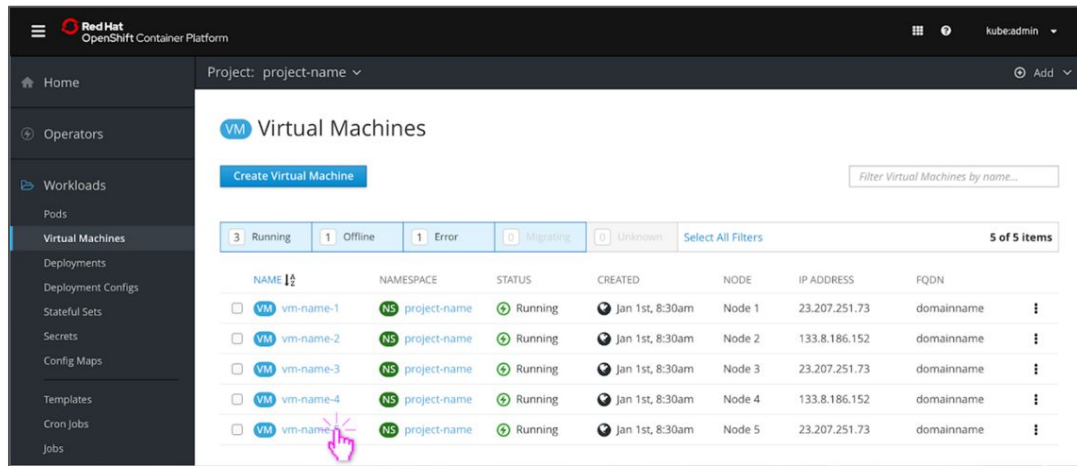
Accelerate modernization and migration of apps, containers, and virtual machines to OpenShift with tools and web services

Independent Software Vendors (ISVs)

100+ Red Hat OpenShift certified operators in a single place **with an "App-Store" experience**

OpenShift Virtualization

Virtual machines, containers, and serverless together, the right way.



Click for Demo



Accelerate application delivery with a single platform that manages mixed applications

Avoid unnecessary refactoring of applications

Modernize workloads and support mixed applications consisting of VMs, containers, and serverless

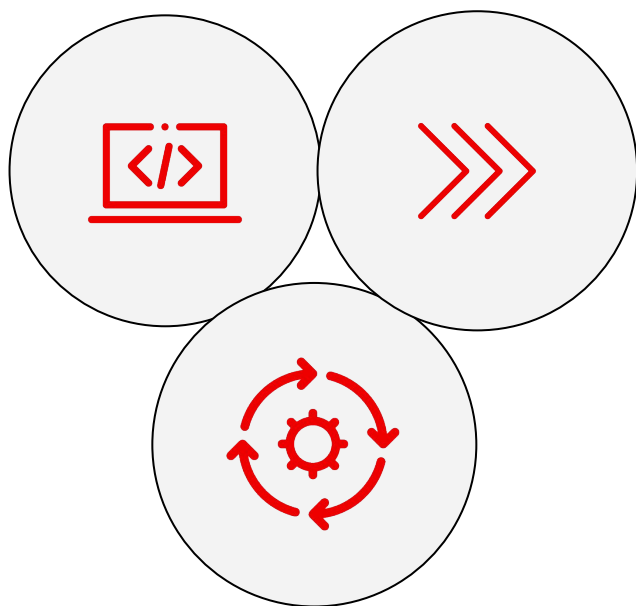


Run virtual machines within a container and orchestrate them with Kubernetes and KubeVirt

Create and manage Linux and Windows VMs

Why OpenShift 4?

Open Hybrid Cloud Requires New Capabilities



- Simplified Installations
- Cloud-specific Integrations
- Operator-centric Architecture / Automated Operations
- Enhanced Platform Upgrades
- Integrated Linux OS (Patching)
- Enhanced Platform Security
- Operations-centric Console
- Integrated Platform Scaling
- Integrated Monitoring
- Developer-Centric Console
- Integrated Service Mesh
- Integrated Serverless
- CodeReady Portfolio for Developers
- OperatorHub Ecosystem
- OpenDataHub Ecosystem
- ISV Software On-demand

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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