RHUG Intro and Agenda

Red Hat

Agenda

- Introductions & Announcements
  - Richard Hofmeister
- Securely Expose Applications Running on Managed OpenShift
  - Kevin Collins
- RHEL Image Mode
  - Brian Dumont
- Summit Recap
  - Richard Hofmeister
-

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Platform Release Schedule

All Dates Subject to Change

- OpenShift 4.19 : SOON™
- OpenShift 4.20 : Q4 2025
- ACM 2.14 : Q3 2025
- ACS 4.8 : SOON™
- Builds for OpenShift 1.4 : RELEASED
- Red Hat Device Edge 4.19 : RELEASED
- OpenShift Pipelines 1.19 : SOON™
- RHEL 10 : RELEASED
- RHEL 10.1 : Q4 2025
- RHEL 9.7: Q4 2025
- Satellite 6.17: RELEASED

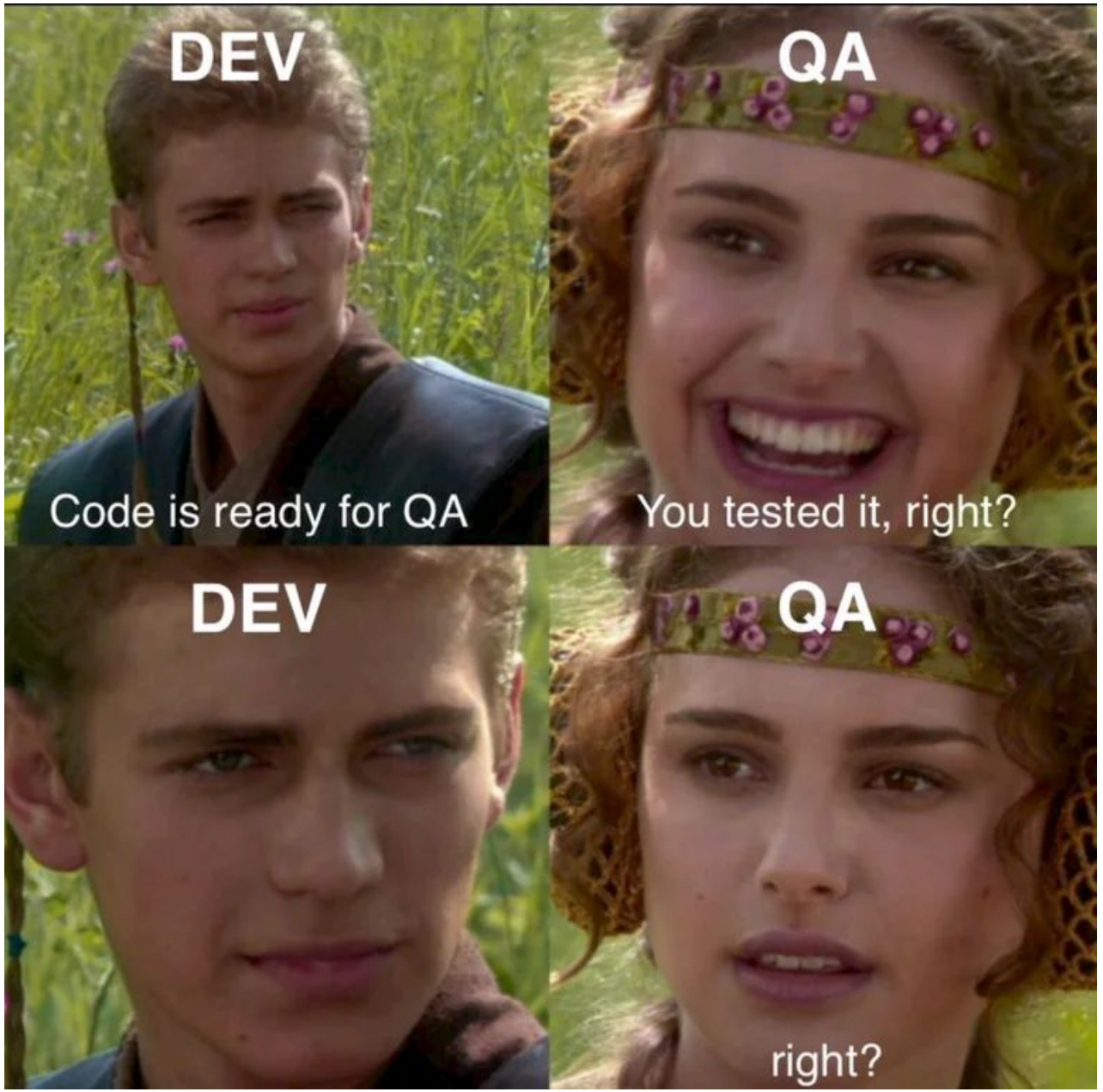
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Middleware Release Schedule

All Dates Subject to Change

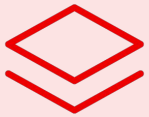
- Quarkus 3.20 : RELEASED
- Trusted Application Pipeline 1.4 : RELEASED
- Data Grid 8.6 : Q3 2025
- OpenShift Service Mesh 3.0 : RELEASED
- JBoss EAP 8.1 Beta : RELEASED
- Red Hat build of Apache Camel 4.10 : RELEASED
- Developer Hub 1.7 : Q3 2025
- Service Interconnect 2.1 : Q3 2025

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Red Hat OpenShift 4.18 Highlights



Core

- Enhanced User Defined Networks including BGP for UDN
- Operator Lifecycle Management v1
- oc-mirror v2 with Helm charts and proxy support
- OpenShift on bare metal in Google Cloud Platform (GA)
- OpenShift on Oracle Cloud: bare metal shapes on OCI (GA), Oracle Cloud@Customer and Oracle Private Cloud Appliance



Virtualization

- OpenShift Virtualization Engine
- VM friendly networking with User Defined Networks
- VM storage migration (GA)
- OpenShift Virtualization in Google Cloud Platform (TP)
- OpenShift Virtualization in Oracle Cloud Infrastructure (TP)



Security

- Secret Store CSI Driver (GA)
- Streamline secrets handling with Secret Store CSI Driver in OpenShift GitOps and OpenShift Pipelines workflows
- Secure OpenShift Service Mesh secrets with cert-manager (TP)
- Automated certificate recovery after cluster hibernation

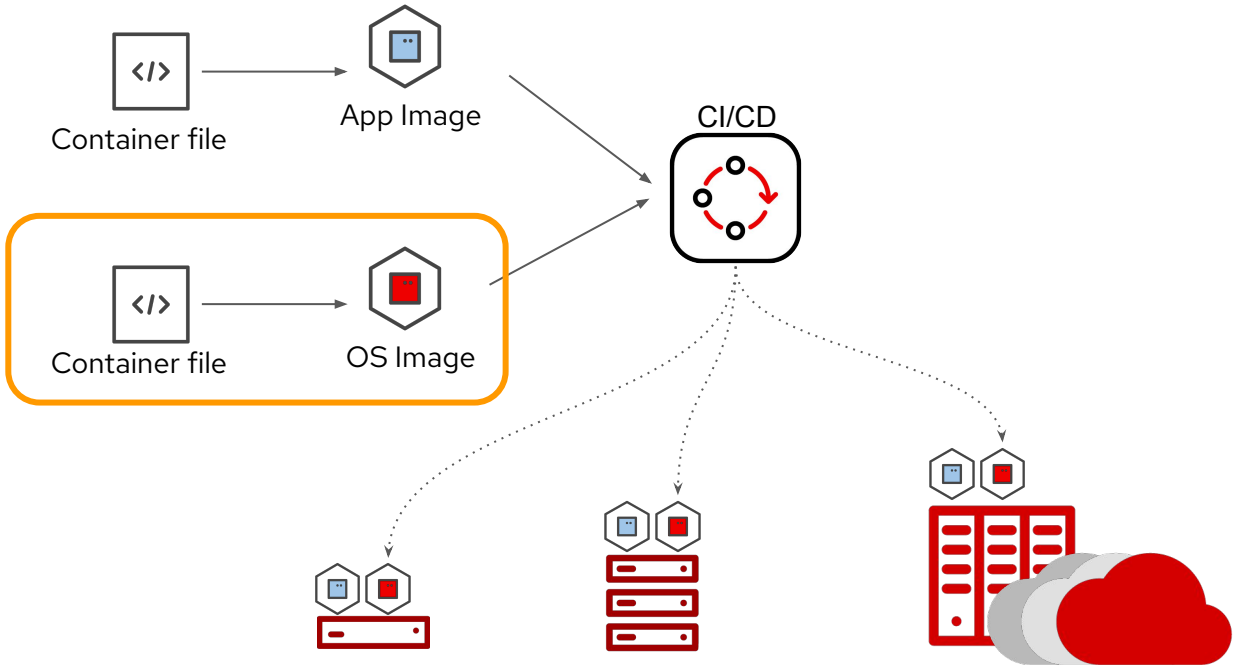
GA: Generally Available
TP: Technology Preview
VM: virtual machines

red.ht/whatsnew

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RHEL Image Mode

RHEL enables teams, infrastructure, and ecosystems to converge on a single container-native workflow to manage everything from their applications to the underlying operating system. Build, test and distribute the operating system as if it was any other container.



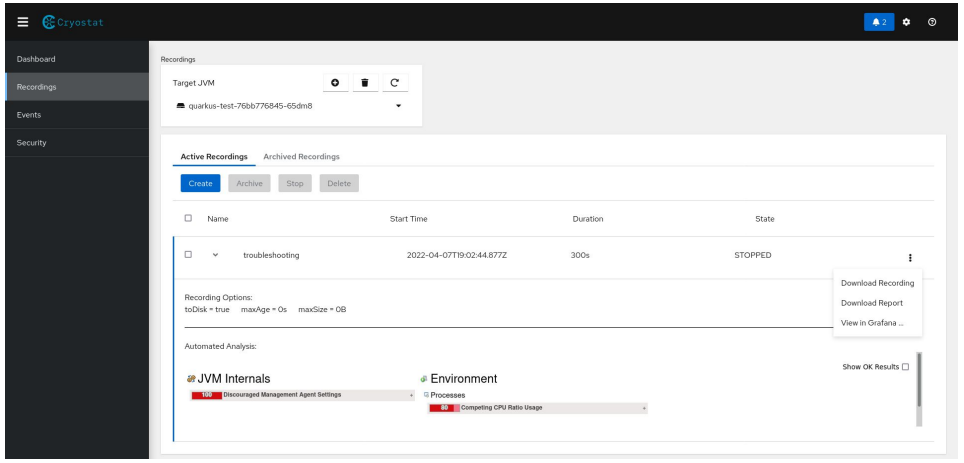
- Gain **simplicity** and **portability** across traditional and hybrid cloud environments
- **Accelerate** OS deployments and last-mile challenges with existing CI/CD & GitOps workflows
- **Security benefits** include cryptographic validation, transparent provenance, and tool consolidation

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Red Hat build of Quarkus

What's New in 3.20

- New improved WebSocket handling
- Switch to use UBI 9 by default
  - UBI 8 still supported
- Updated to Microprofile REST Client 4.0
- OpenTelemetry Logging Support



Cryostat Automated Analysis Report



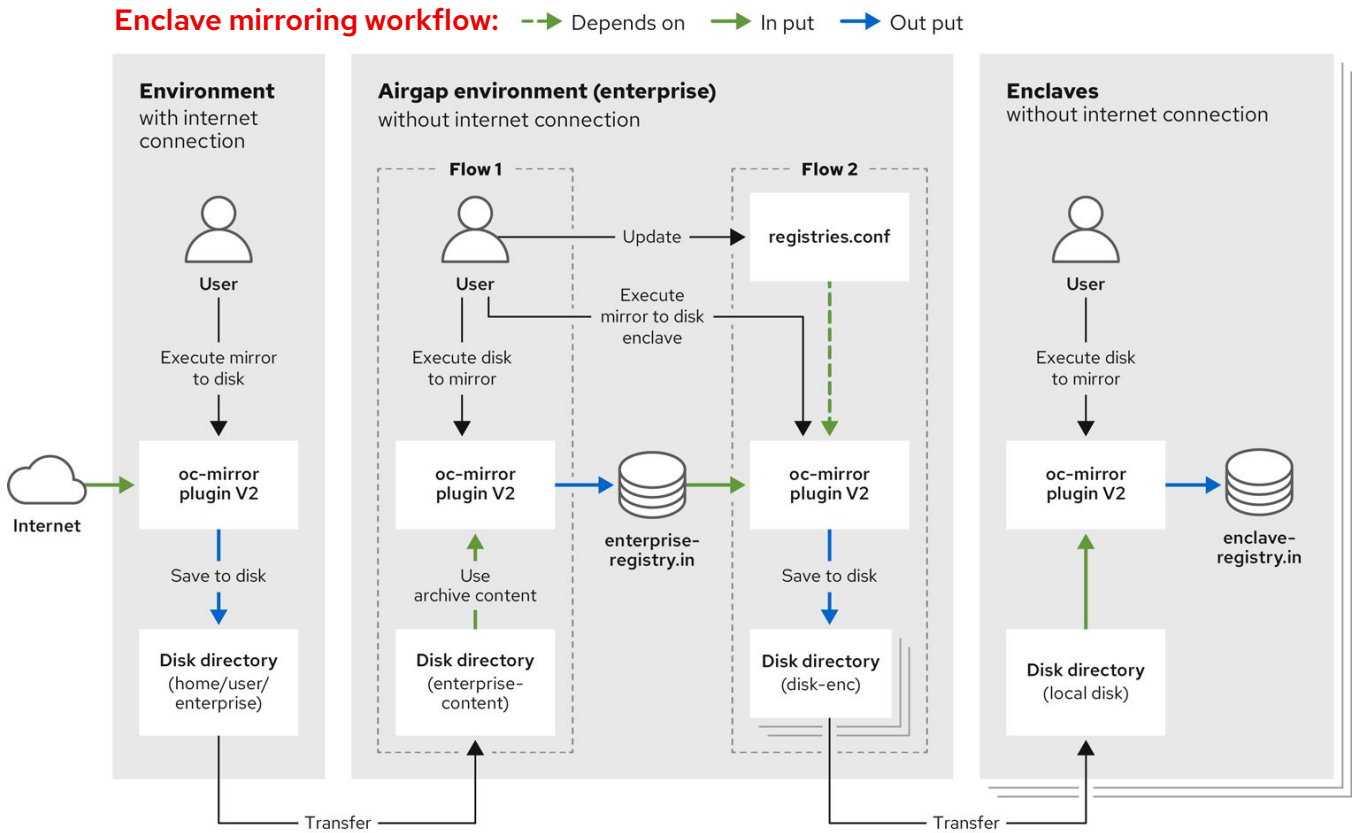
Cryostat Grafana dashboard

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Watch demo videos to learn more about oc-mirror v2 (Now Generally Available)

OpenShift oc-mirror

oc-mirror v2: Supercharging Restricted Environments



Enhanced Security

Support **enclave environments**, providing secure and isolated mirroring for **most sensitive workloads**.

Granular Image Deletion

Precisely manage **image deletion** in your mirror registry to **optimize storage**.

Faster Performance with Intelligent Caching

Reduced mirroring times, **bandwidth consumption**, and improved efficiency.

Helm Chart Support

Mirror Helm charts (including **in enclaves**) for simplified application management.

Proxy Support

Leverage **existing proxies** and **pull-through caches** in your infrastructure, optimizing efficiency.

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Red Hat Advanced Developer Suite

IDP: Internal Developer Portal

Red Hat Developer Hub

AI/Kube Developer Desktop Experience : **Podman Desktop**

Migration toolkits

Development Tools

IDE Plugins

Red Hat OpenShift Dev Spaces

Trusted Software Supply Chain

Red Hat Trusted Artifact Signer

Red Hat Trusted Profile Analyzer

AI Enablement

Developer Lightspeed

Podman Desktop AI Lab

Red Hat Developer Hub AI Integration

Products that allow developers to **quickly and securely deliver applications to production**

Enabling platform engineers to more easily enforce operational controls and compliance across hybrid multi-cloud environments

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Red Hat Enterprise Linux 10 will help you...



Address the Linux skills gap
with decades of Red Hat's Linux knowledge and expertise

Contain drift and accelerate delivery
with container tools and technologies

Make better decisions at build time
when it's typically easier and cheaper to make changes

Resist security attacks from hackers
when quantum computers become prevalent

Leverage Red Hat Enterprise Linux as a trusted AI foundation
with an extensive ecosystem of trusted partners and tools

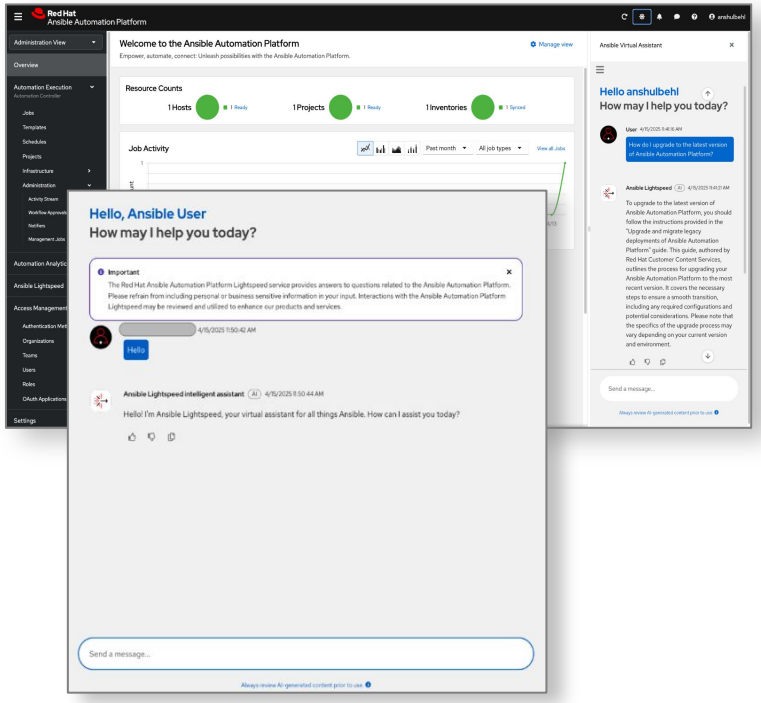
Ansible Summit 2025 release highlights

Policy enforcement

- Integrate source-controlled policies and enforce them at execution time across job templates, inventories, and organizations, generate actionable results, and log enforcement events for audit and compliance tracking.

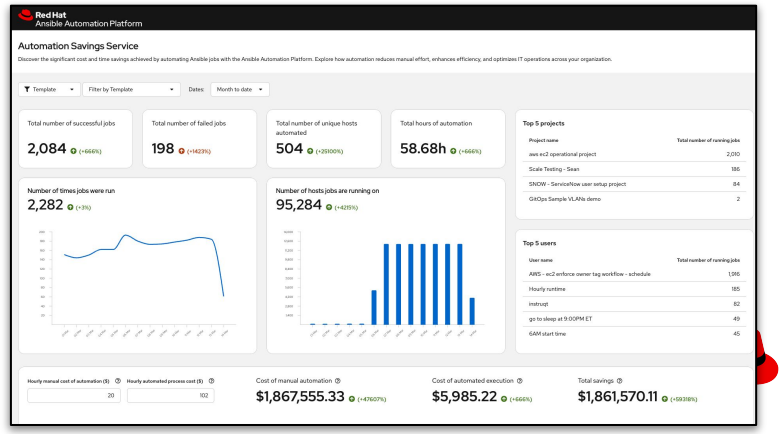
Red Hat Ansible Lightspeed intelligent assistant (Preview)

- Intuitive assistant embedded directly into Ansible Automation Platform UI
- Contextual support for faster troubleshooting, platform onboarding, and the day-to-day management of automation
- Includes links to references and resources for source validation and accelerated learning



New and updated Ansible Content Collections

- ***redhat.ai (certified)*** Support for Red Hat AI infrastructure provisioning, ***infra.ai (validated)*** validated content for infrastructure provisioning for AI (on prem & cloud)
- Over 80 updated collections in Cloud, Network, Virtualization, Infrastructure



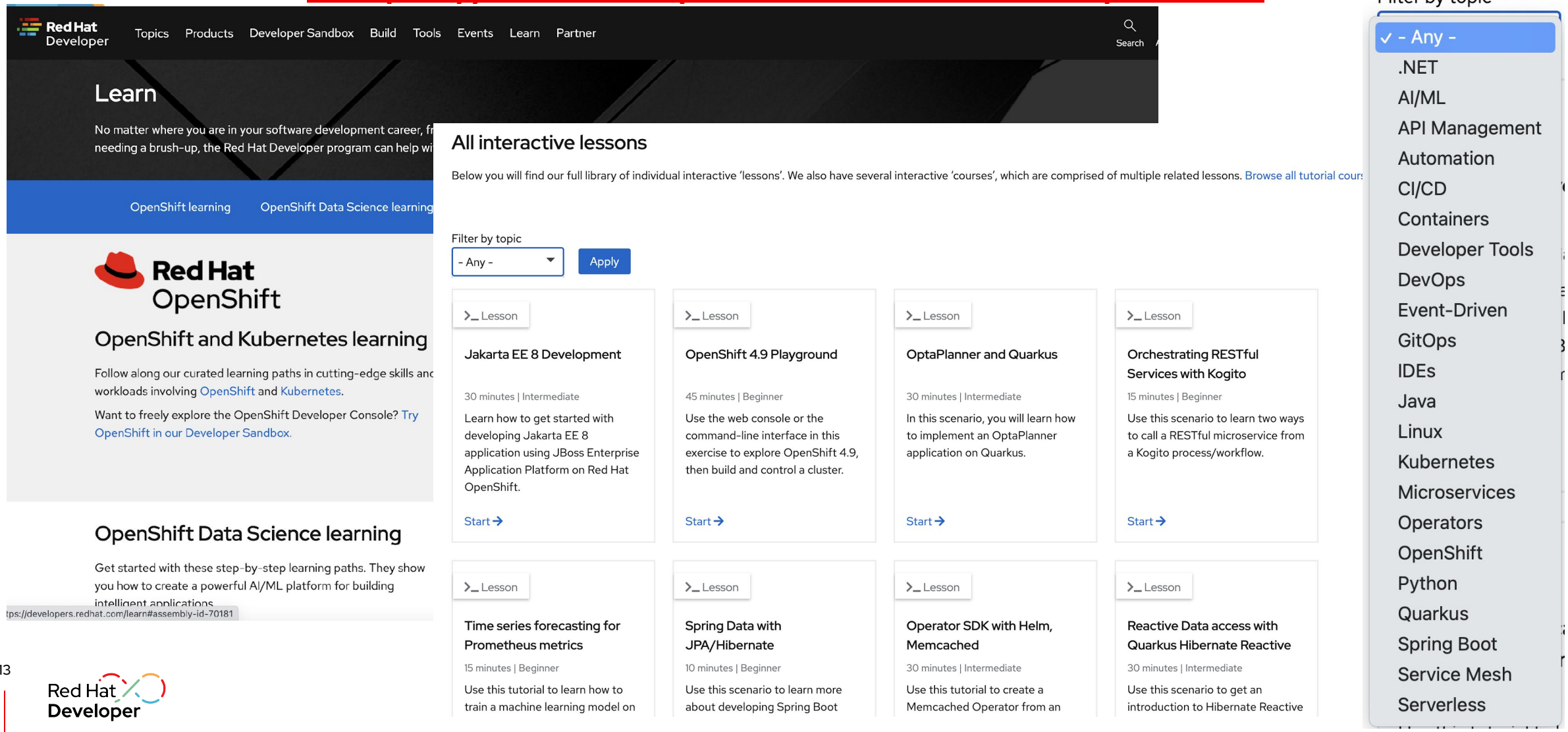
Automation Dashboard (Early Adopter Program)

Cloud Marketplace offering updates

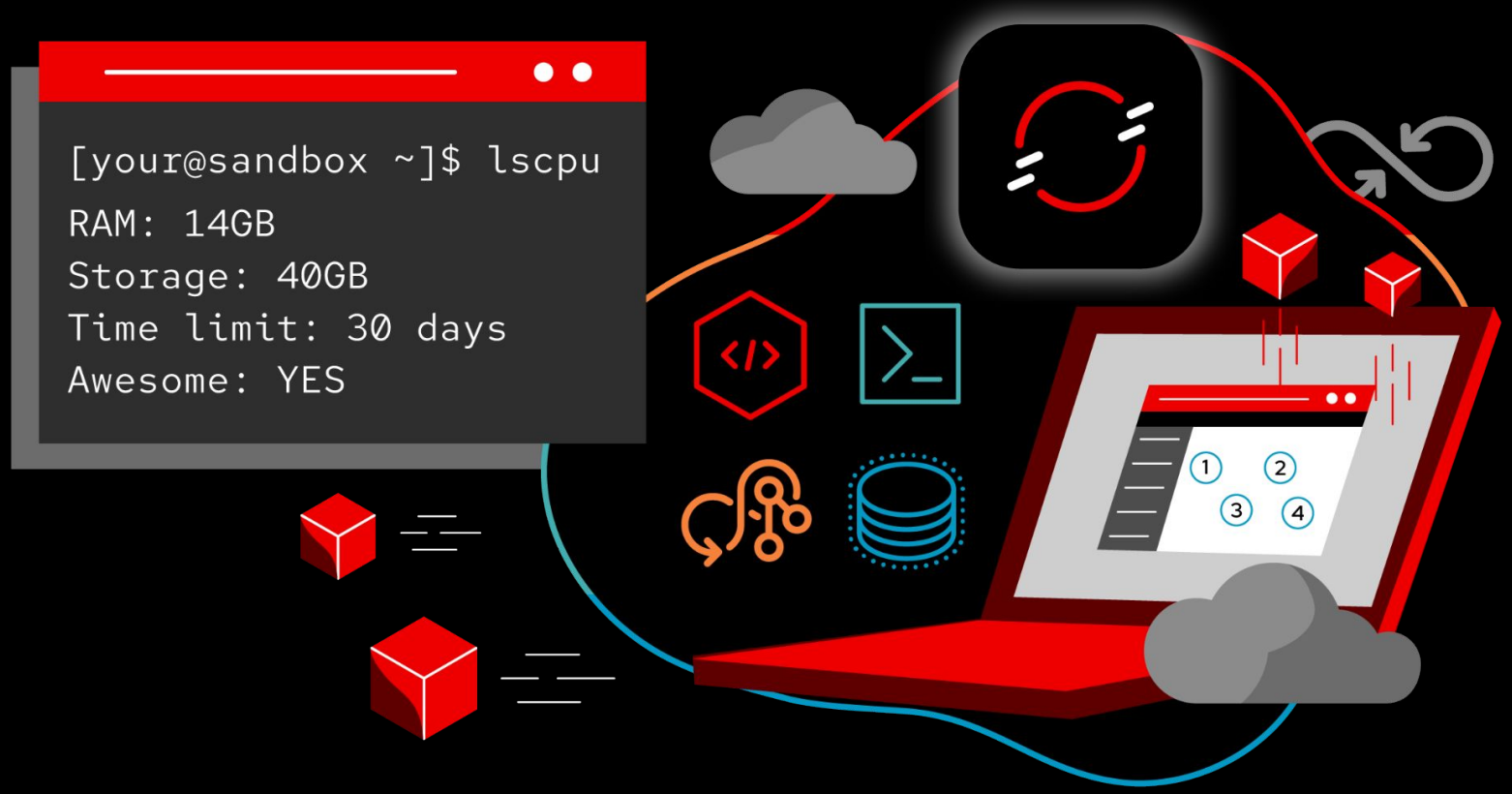
Continued enhancements of the user experience

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https://developers.redhat.com/learn



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Learn containers, Kubernetes, and OpenShift in your browser.

Start exploring in the OpenShift Sandbox.

Try Red Hat's products and technologies without setup or configuration.

developers.redhat.com/developer-sandbox

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Quarter	Speaker	Topic	Slide Deck
Q4 - 2022	Richard Hofmeister	Agenda	pdf
	Brian Dumont	Using the Insights API to apply Compliance Profiles	pdf
	Richard Hofmeister	Application Modernization With Konveyor	pdf
	Patrick Regan	What's New in RHEL 9	pdf
	Brad Krumme	Enterprise Architecture Patterns	pdf
Quarter	**Speaker**	**Topic**	**Slide Deck**
Q3 - 2022	Brian Dumont	Enterprise Automation	pdf
	Alan Patrick	Red Hat Satellite	pdf
	Jay Ryan	Managing Complex Workloads in a Kubernetes Native Environment	pdf
	David Brugger	Empowering Event Driven Architectures Across the Hybrid Cloud	pdf
	Andy Block	Introduction to GitOps and Secrets Management	pdf

