



TechTalks

Tech Day - Luxembourg, 2025



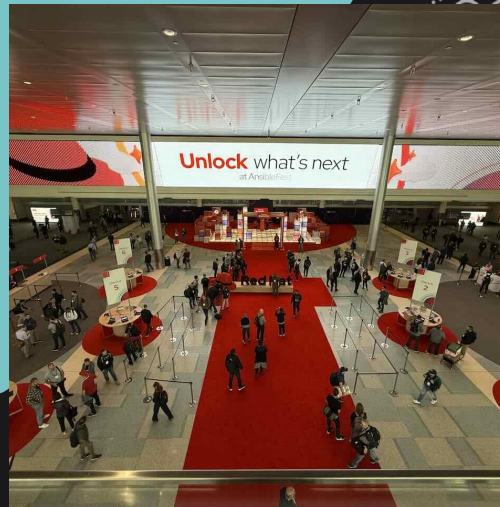
Agenda

09:00 - 09:30	Registration & Welcome
09:30 - 10:00	Welcome & Summit Messages
10:00 - 10:45	New from the Summit: Discover Red Hat Enterprise Linux 10
	Break
11:00 - 11:45	Virtualisation by Red Hat
11:45 - 12:15	What's new with Azure Red Hat OpenShift (ARO)
12:15 - 13:15	Lunch
13:15 - 13:45	Value of AI on OpenShift
13:45 - 14:10	AI Meets PostgreSQL: CloudNativePG on OpenShift for the Modern Data Platform
14:10 - 14:40	HashiCorp Vault and OpenShift: Discover Security and Speed in Perfect Harmony
14:40 - 15:10	Terraform vs Ansible? Why not both? Live DEMO!
15:10 - 15:30	Break
15:30 - 16:00	Platform Engineering 101: IDPs (think Backstage.io) – breaking barriers between dev and ops
16:00 - 16:10	Closing
16:00 - 17:00	Networking Drink



TechTalks

Red Hat Updates from Summit



Agenda at a glance

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
Power Training	Power Training	Summit keynote	Summit keynote	Briefing Center
	Briefing Center	Briefing Center	Briefing Center	
	Community Day	Executive Exchange	Press/analyst program	Sessions/labs
		Sessions/labs	Sessions/labs	
Evening events	Expo hall	Expo hall	Expo hall	
	Kickoff party (Expo)	Expo networking reception	Lansdowne Street receptions	

7000+ attendees (Customers & RH partners)

454 sessions

CBC (Customer Briefing Center) sessions

Expo hall

Networking events

Key announcements

Numerous breakout sessions, labs, customer presentations

Any model, any
accelerator, any cloud:
The future of AI is open

Red Hat AI

- ▶ **Red Hat AI Inference Server**
Available standalone or as part of Red Hat Enterprise Linux AI (RHEL AI) and Red Hat OpenShift AI
- ▶ **General Availability of Red Hat OpenShift Lightspeed**
Offers flexible integration with model providers like OpenAI, Azure OpenAI, and watsonx, plus private AI options
- ▶ **Third-Party Validated Models for Red Hat AI, NVIDIA partnership**
Come with deployment guidance and reproducible outcomes
- ▶ **llm-d Open Source Community**
Builds on vLLM and Inference Gateway projects
- ▶ **Red Hat supported LLama Stack and validated LLama for Red Hat AI**
Day 0 support for Llama models on vLLM and Red Hat AI



TechTalks

OpenShift



Red Hat OpenShift at Red Hat Summit

Trusted

Container engine

Reduce
Risk



Comprehensive

Application platform

Improve
Productivity



Consistent

Across hybrid cloud

Increase
Flexibility

Real customer stories

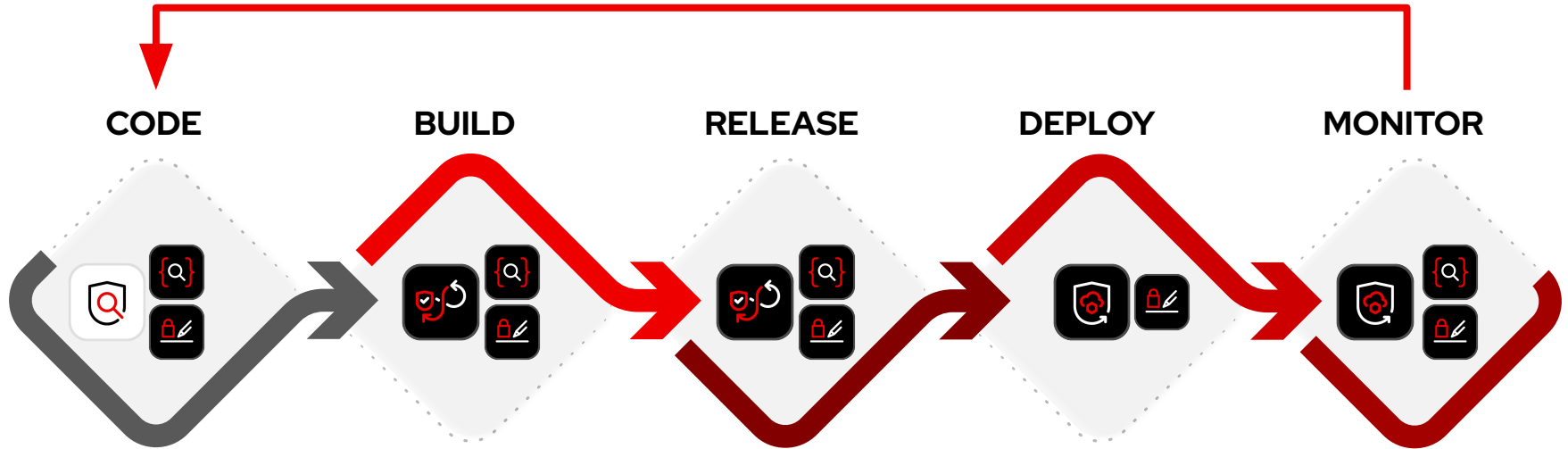
**Exciting new products, features, partnerships
and services**

Advanced Developer Suite

- ▶ **Integrated software supply chain security best practices**
Holistic solution to help developers move faster while adhering to stringent security and compliance demands
- ▶ **Driving AI innovation with greater speed and enhanced security**
Integrations with Red Hat AI Inference Server, RHEL AI and Red Hat OpenShift AI that deliver security-focused AI-enabled applications
- ▶ **Red Hat Developer Hub, Red Hat Trusted Profile Analyzer, Red Hat Trusted Artifact Signer**

Secure Software Supply Chain

From Code Commit to Runtime Enforcement



Identify dependencies and recommend trusted content before coding

Provide guidance, templates, tools to catch known vulnerabilities and misconfigurations improving dev productivity, reducing cost to fix, securing the pipeline

Vulnerability Scanning
Policy Enforcement
Artifact Signing

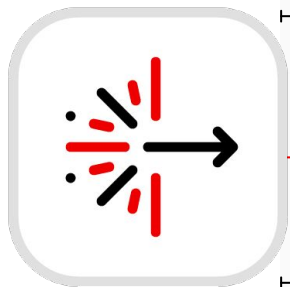
Automate guardrails to prevent deployment of problematic code and deliver risk mitigation

Detect and respond to runtime threats with prioritized risk assessments



Generative AI experience for virtual admins

OpenShift Lightspeed



Help where you need it

Integrated directly into the Red Hat OpenShift web console

Troubleshoot, investigate, and learn more

Provides assistance with troubleshooting and investigating cluster resources

Generative AI

Powerful, pluggable LLMs combined with the latest OpenShift documentation

Red Hat OpenShift Lightspeed Clear chat

You
how do i migrate a VM

OpenShift Lightspeed
To migrate a virtual machine (VM) in OpenShift, you can use the Migration Toolkit for Virtualization. Here are the steps to initiate live migration using the web console:

1. Navigate to Virtualization -> VirtualMachines in the web console.
2. Select the VM you want to migrate.
3. Click on "Migrate" from the Options menu beside the VM.
4. Click "Migrate" again to confirm.

Please note that only cluster administrators can initiate a live migration, although all users can see the Migrate action.

Alternatively, you can also initiate live migration using the command line by creating a `VirtualMachineInstanceMigration` object for the VM and applying it with `oc create -f <migration_name>.yaml` command.

Remember that certain conditions must be met for successful migration, such as having an available node supporting CPU model if your VM is configured with a host model CPU. Let me know if there's anything else I can help with!

Related documentation

- [Exporting virtual machines](#)
- [Initiating and canceling live migration](#)
- [Cloning VMs](#)
- [2 more](#)

Red Hat Connectivity Link



Multi-Cloud Connectivity

DNS Provider Integration(s)

High Availability / Disaster Recovery

Global Load Balancing

Application Movement

Application Connectivity Configuration

Endpoint Health/Status Checks

Universal Authentication



Kubernetes-Native Ingress Policy Mgmt.

TLS Policy

Auth Policy

Global DNS Policy

Rate Limiting Policy

CORS/CSRF Policy

Traffic Weighting/Distribution

Role-Based Oriented

Multi-Cluster Administration



Integratable Framework

Uses Open Telemetry Standards

API-Driven Design Pattern

DevOps / ITOps / SOC Ready

Intelligent Workload Management

Highly Flexible Policy Mgmt.

Common Expression Language (CEL)

Singular Interface across multiple clouds

Built for OpenShift & More

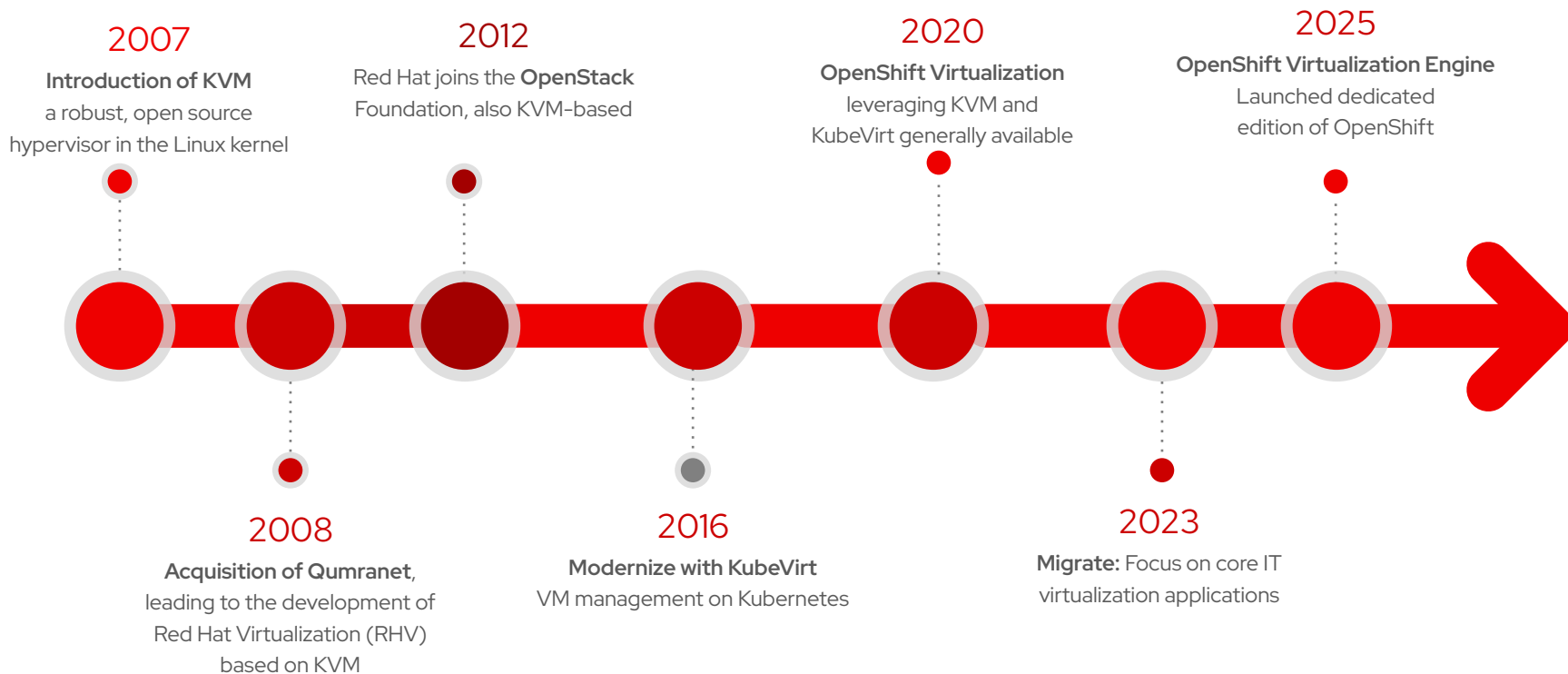
Virtualization

Today's virtualization challenges

- Rising cost of virtualization licensing
- Proliferation of third-party applications delivered as containerized workloads
- Operational complexity in managing hybrid and multi-cloud environments
- Need to avoid vendor and technology lock-in to maintain flexibility and control

Virtualization @ Red Hat

Open source driving KVM, RHEL, OpenStack, and now OpenShift Virtualization



OpenShift Virtualization is available across major cloud providers

Migrate VMs to the cloud

Modernize and build new
apps with cloud-native tech



Generally Available on
Red Hat OpenShift
Service on AWS and
self-managed
OpenShift on AWS



Public preview of
Azure Red Hat
OpenShift



Google Cloud

Technical preview on
OpenShift Dedicated
and self-managed
OpenShift on Google
Cloud Platform



IBM Cloud

Generally available on
Red Hat OpenShift on
IBM Cloud



Technical preview on
OpenShift on OCI

Complete the platform with your existing technology partners

Storage

Products for OpenShift Virt using
CSI (container storage interface)



Backup / DR

Products for OpenShift



Networking

Products for OpenShift Virt using
CNI (container networking interface)



Cloud services

Current public cloud providers
offering OpenShift Virtualization



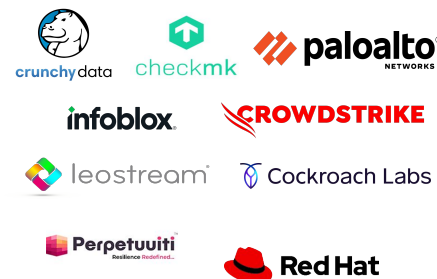
Compute

Products for OpenShift



Workloads

Application partnerships



Note: This is not an exhaustive list of ISV partners, with new partners being added all the time.



TechTalks

Ansible Automation Platform



Red Hat Ansible Automation Platform | Summit Release Highlights



Policy enforcement

- > Integrates and enforces source-controlled policies at execution time across job templates, inventories, and organizations to generate actionable results for audit and compliance tracking.



Red Hat Ansible Lightspeed intelligent assistant (Technology Preview)

- > Introduces an intuitive AI assistant embedded directly into Ansible Automation Platform UI.
- > Leverages contextual support for faster platform onboarding and streamlined automation operations.
- > Provides links to references and resources for source validation and accelerated learning.



New and updated Red Hat Ansible Content Collections

- > **redhat.ai**: Support for Day-1 Red Hat AI infrastructure provisioning (on-prem and cloud).
- > **infra.ai**: Support for Day-2 Red Hat AI infrastructure config and operations.
- > Updated collections in Cloud, Network, Virtualization, Infrastructure.

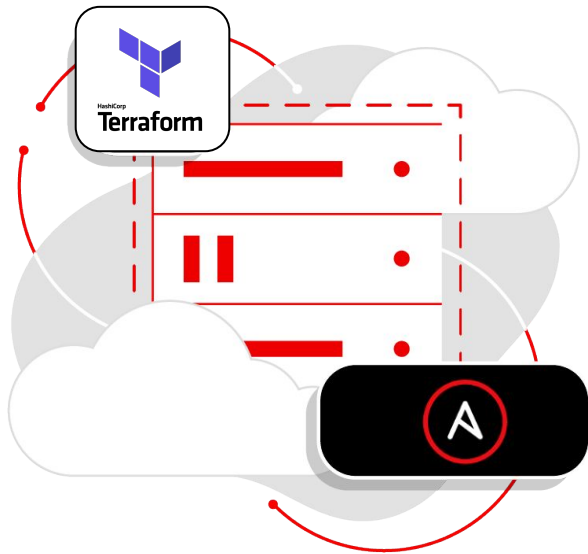


Cloud Marketplace offering updates



Continued enhancements of the user experience: features, RFEs, and more

Terraform Certified Provider for Ansible Automation Platform



Available now (as partner content):

- ▶ AAP can perform automation on Terraform resources
- ▶ Terraform can initiate AAP workflows, improving scalability
- ▶ Uses the AAP API to launch and monitor automation jobs
- ▶ Fully supported by Red Hat
- ▶ Supports Terraform Enterprise/Cloud

Roadmap: the future of Ansible + Terraform synergy

The “first horizon” of this new partnership is improving product to product integration



Product teams on both sides will be focused on **improving native integration between Red Hat Ansible and Terraform Enterprise**, with a particular focus on developing more jointly supported Collections and Providers to help customers accelerate adoption with a larger library of curated, opinionated content out of the box.



Automation workflows initiated in Ansible Automation Platform

- Documented and tested migration path from Terraform Community edition to TFE
- Co-developed and co-supported Terraform Enterprise Collection



Automation workflows initiated in Terraform Enterprise

- Co-developed and co-supported enhancements to existing AAP provider
- Enhanced integration leveraging Terraform



TechTalks

Red Hat Enterprise Linux 10

Wait less. Do more.
Because innovation can't wait.



Red Hat Enterprise Linux

Common challenges in Deploying RHEL Systems

- Too much **time spend configuring** systems manually
- **Risk of inconsistent environments** across data centers, clouds, and edge locations
- Hard to ensure every system meets **security and compliance standards**
- Lack of **repeatable, scalable ways** to create and manage system images
- Difficulty integrating system provisioning into **modern automation workflows**

Upcoming events to mark in your agenda



Open Source Summit Europe

(Red Hat is global sponsor)
25-27 August, RAI
Amsterdam

Kubecon 2026
23-26 March 2026
Amsterdam



Red Hat Summit

May 11-14, 2026
Atlanta, GA



Red Hat Summit: Connect 2025

September 25, 2025,
Event Lounge Brussels



Closing



Thank you for joining Tech Day!

2025 edition

- We'd love to hear **your feedback and thoughts**, feel free to share them with us after the event
- You are welcome **to join us now for drinks & appetizers!**
- If you have **any questions**, reach out to a Red Hatter or visit the Red Hat booth / corner at the event.

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Thank you
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