

Red Hat
Summit

Summit 2026 Recap

NYRHUG June 2026 Meeting

Patrick Ladd
Senior Technical Account Manager

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~~Senior Software Engineer~~



Logistics:



WiFi:

SSID: IBMGuest

Passphrase: **Brick-5-Bath-8-Snub**



Restrooms:

- All Gender: Across the hall in alcove
- M & F: Bend in hallway, on the right

NYRHUG Links:



Meetup: red.ht/nyrhug



Slack: red.ht/nyrhug-slack



What's that swag?

(yeah I had no idea what I was looking at either... :)



A screen cleaner / wipe

NFC keychain

Save the date!

Thursday September 17

Summit Connect NYC 2026

Location / Details TBD

<https://www.redhat.com/en/summit/connect>



Tonight's Agenda



- ▶ Product Releases / Announcements
- ▶ Product updates:
 - RHEL 9 & 10
 - Satellite 6.19
 - Ansible Automation Platform 2.7
 - Red Hat AI 3.4
- ▶ Certification Overhaul
- ▶ Digital Sovereignty
- ▶ Virtualization Update
- ▶ Agentic Skill Pack
- ▶ ~~Red Hat Trusted Libraries~~ Ronny Lim

~~Extend trust across the software supply chain~~



Key Product Releases

MCP servers & more

RHEL

v10.2 & 9.8

- Post-quantum cryptography & NIST standards.
- AI-assisted in-place upgrades.
- Long-Life Add-On for decades of support.

Satellite

v6.19

- MCP server for natural language queries.
- Workflow and UI improvements.
- Extended Update Support (EUS) bridge.

AAP

v2.7

- Automation Orchestrator for multi-mode workflows.
- MCP server for AI tool connection.
- Visual execution environment builder.



Other Announcements

OpenShift

Sovereignty

- Dedicated instances on Google Cloud.
- Confidential containers for data privacy.
- Simplified compliance via Advanced Cluster Security.

Red Hat AI

Agentic Era

- Model-as-a-Service (MaaS) & AgentOps.
- AI Factory with NVIDIA for autonomous agents.
- Fedora Hummingbird and Red Hat Hardened Images for builder velocity.



RHEL Updates



RHEL: Post-Quantum Cryptography Readiness

Securing the Future Against Quantum Threats

Quantum-Resistant Foundations

RHEL 10.2 and 9.8 introduce National Institute of Standards and Technology (NIST) standards for post-quantum cryptography (PQC) to resist "harvest now, decrypt later" attacks.

Key Enhancements

- SSH Hardening: Advanced capabilities to secure remote execution against emerging quantum algorithms.
- Sealed Images: Technology preview to sign container images at build-time for verified execution.

<https://www.redhat.com/en/about/press-releases/red-hat-delivers-post-quantum-readiness-and-ai-powered-automation-latest-versions-red-hat-enterprise-linux>



RHEL: AI-Assisted In-Place Upgrades

Smoothing the Path to Modern Infrastructure

Intelligent Automation

Red Hat Enterprise Linux 10.2 and 9.8 automate the time-consuming and stressful upgrade process using AI-guided operational guardrails to reduce manual toil and operational drift.

Key Capabilities

- RHEL Upgrade System Role: A new Ansible Certified Content Collection that simplifies OS upgrades by packaging best practices into a "fail fast then iterate" approach.
- Self-Service Upgrades: Integration with Ansible Automation Platform provides a smoother, more reliable self-service upgrade experience.
- Minimized Downtime: AI assistance bridges admin skills gaps, reducing manual errors and maintenance windows.

<https://www.redhat.com/en/blog/why-automation-still-needs-human-loop-os-upgrades>



RHEL: Long-Life Add-On

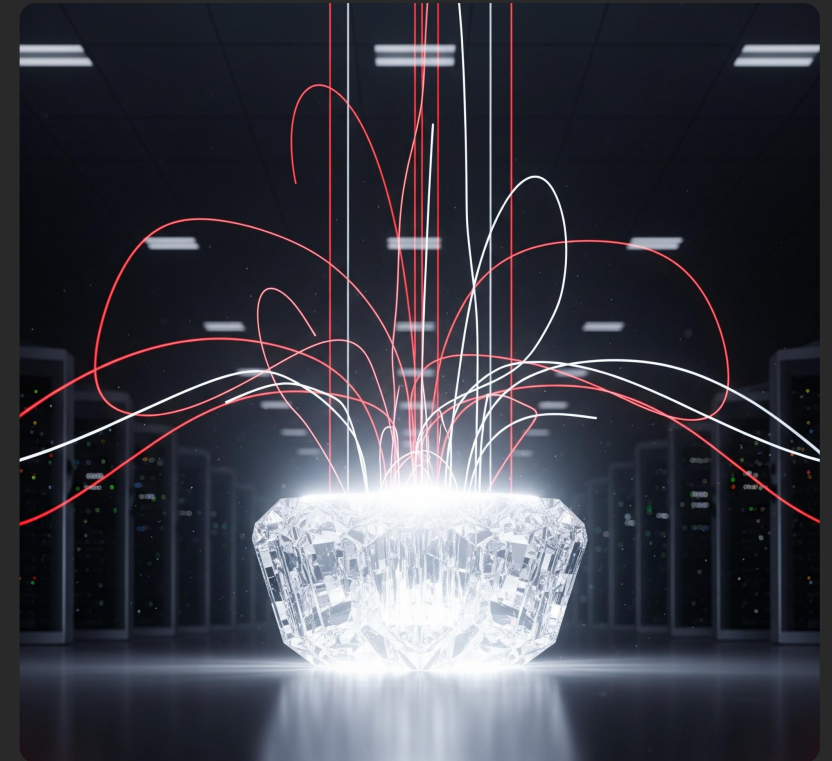
Multi-Decade Infrastructure Stability

Control Your Infrastructure Timeline

Optional yearly extension providing access to critical security and bug fixes for change-averse systems beyond standard lifecycles.

Core Benefits

- Lifecycle Flexibility: Autonomy beyond the 14-year support benchmark.
- Strategic Mitigation: Focus resources on innovation rather than forced migrations.
- Predictable Support: 24x7 technical support and maintenance for specialized workloads.



<https://www.redhat.com/en/about/press-releases/red-hat-extends-infrastructure-stability-decades-red-hat-enterprise-linux-long-life-add>



Ansible Automation Platform 2.7



AAP: Automation Orchestrator

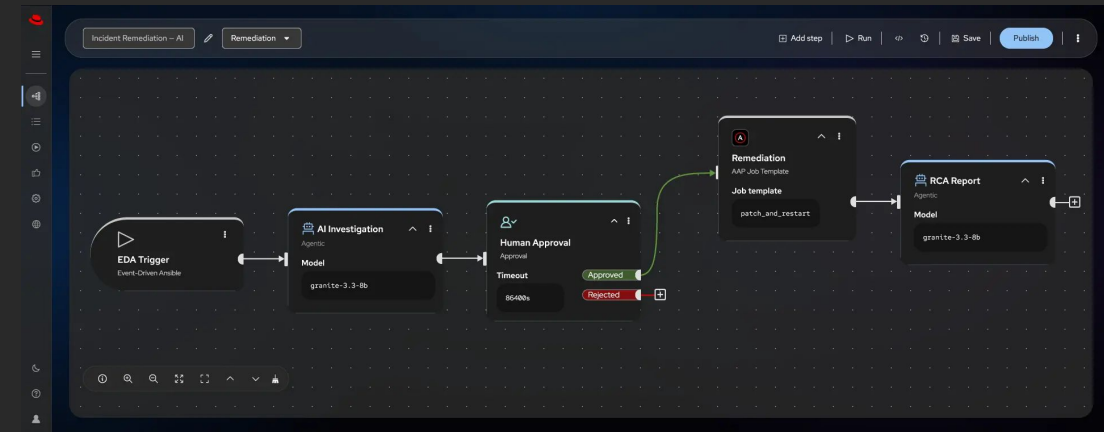
The Trusted Execution Layer for Agentic IT Operations

Unified Multi-Mode Workflows

A single workflow canvas that synchronizes deterministic, event-driven, and AI-driven automation into one auditable pipeline.

Key Capabilities

- **Governed AI Interaction:** AI agents recommend actions, but humans approve and pre-defined playbooks execute.
- **Visual Design & API First:** Features an intuitive GUI for operators and headless MCP integrations for developers.
- **Bridge to Action:** Directly connects AIOps insights from tools like ServiceNow and Splunk to automated remediation.



<https://www.redhat.com/en/technologies/management/ansible/automation-orchestrator>



AAP: Model Context Protocol (MCP) Server

The Universal AI Bridge for Automation

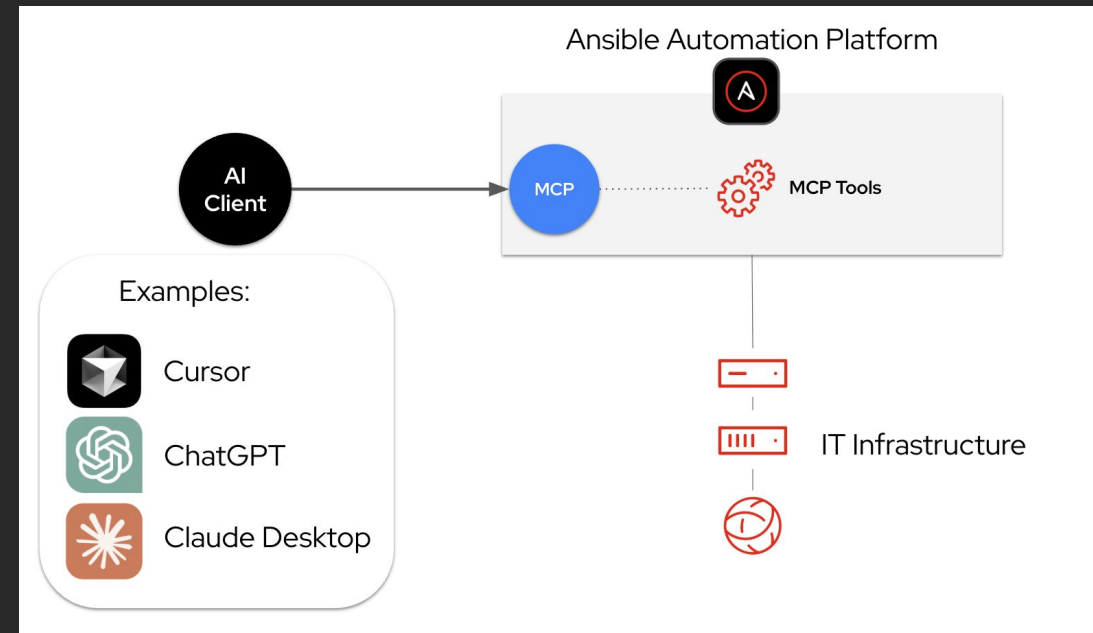
Seamless AI Integration

The MCP server for Ansible Automation Platform (AAP) 2.7 acts as a standardized connector, allowing AI agents to securely interact with complex automation environments using natural language.

Key Technical Benefits

- No Custom Integrations: Connect AI tools and automation workflows without writing bespoke code for every LLM interaction.
- Context-Aware Insights: Inject organization-specific policies and technical best practices into the RAG pipeline for tailored results.
- Agentic Troubleshooting: Enable AI agents to investigate environmental health and suggest remediations based on real-time data.

<https://www.redhat.com/en/blog/it-automation-agentic-ai-introducing-mcp-server-red-hat-ansible-automation-platform>



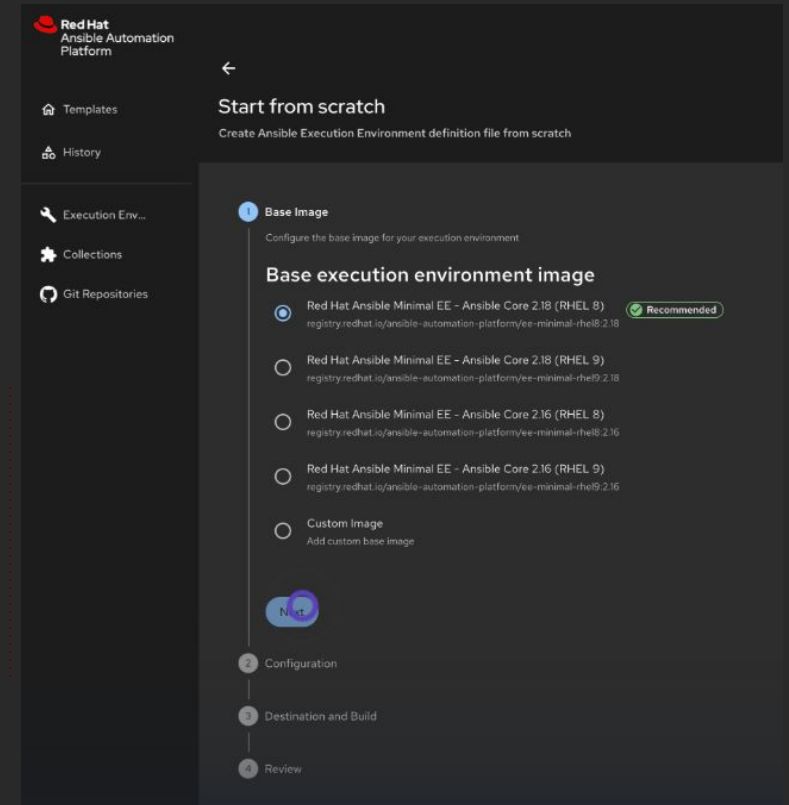
AAP: Visual Execution Environment Builder

Streamlined Automation Content

The visual execution environment (EE) builder, part of the enhanced automation portal in Ansible Automation Platform 2.7, simplifies how teams develop and package automation content.

Key Advantages:

- Accelerates scale: Develop and package automation faster across the enterprise.
- Supply chain oversight: Maintain control and visibility over the internal software supply chain.
- Industrial-grade connection: Bridges the gap between AI-driven insights and deterministic IT execution.



Satellite 6.19



Satellite 6.19: MCP Server Integration

Conversational AI for Hybrid Infrastructure Management

Bridging the Skills Gap

The Model Context Protocol (MCP) server for Satellite turns environmental data into actionable insights through natural language, maximizing team productivity.

Key Capabilities

- **Natural Language Queries:** Query environmental health and inventory status without complex CLI commands.
- **Content Management:** Manage content views and activation keys through conversational prompts.
- **Automated Patching:** Execute patching workflows and maintenance tasks using AI-guided assistance.



Satellite: Extended Update Support (EUS)

A 30-Month Stability Bridge for Hybrid Management

Predictable Lifecycle Alignment

Satellite 6.19 marks the final RPM-based release. The EUS bridge provides an additional 12 months of support, totaling 30 months of environmental stability aligned with RHEL EUS policies.

Key Benefits

- **Focused Maintenance:** Access to Critical and Important security errata (RHSA) and Urgent bug fixes.
- **Direct Upgrade Path:** Simplifies transition by enabling direct upgrades to the next designated EUS version.
- **Risk Mitigation:** Extended timeline to plan migrations without compromising security posture.

<https://access.redhat.com/articles/7136152>



Red Hat AI 3.4



Red Hat AI: Model-as-a-Service & AgentOps

Model-as-a-Service (MaaS)

Governed Access to Curated Models

- Unified, governed interface for developers to access curated models
- Optimized model serving powered by vLLM and llm-d engines
- Enterprise-ready API endpoints using standard OpenAI-compatible interfaces
- IDP-based authentication for both internal models and external APIs

AgentOps

Operational Control for Autonomous Agents

- Lifecycle management from development to production-scale deployment
- End-to-end tracing of reasoning steps, tool calls, and model responses
- Cryptographic identity management (SPIFFE/SPIRE) for verified agent actions
- Integrated observability via OpenTelemetry and MLflow



Red Hat AI Factory with NVIDIA

Industrial Engine

Moving from experimentation to production with infrastructure-enforced security.

Co-engineered platform for autonomous, long-running agents.

OpenShell Integration

Unified policy layer to control and monitor how agents operate.

Sandboxed runtime for stronger policy controls and auditable operations.

Hardware Trust

Confidential computing with NVIDIA GPUs to protect agents at the hardware level.

Zero-trust architecture featuring SELinux and FIPS compliance.

Production-Ready Blueprints

- Enterprise RAG & RAFT for grounding agents in proprietary data.
- MaaS for unified API model access using curated NVIDIA models.
- Enterprise Research for high-speed semantic reasoning.

Next-Gen Architecture

Day 0 support for NVIDIA Blackwell and future Vera Rubin architectures.

Unified lifecycle management via MLflow for auditing agent reasoning steps.

<https://www.redhat.com/en/products/ai/factory-with-nvidia>



Certification Updates



Red Hat Certifications

Overhaul of Course Naming and Sequencing

- 5 specialized pathways for targeted expertise
 - Enterprise Linux
 - Ansible
 - OpenShift
 - Cloud-native applications
 - AI
- Progressive framework of clear certification paths
 - Level 1: Red Hat Certified Technologist
 - Level 2: Red Hat Certified System Administrator (RHCSA) / Red Hat Certified Developer (RHCD)
 - Level 3: Red Hat Certified Engineer (RHCE)
 - Level 4: Red Hat Certified Specialist
 - Level 5: Red Hat Certified Architect (RHCA)
- Simplified recertification to stay current
 - Retake: Pass the exam associated with your highest-level certification to renew all your certifications.
 - Level up: Earn a new certification at the same level as your highest certification to renew all your certifications.
 - Advance: Earn a higher-level certification to renew all your current certifications.

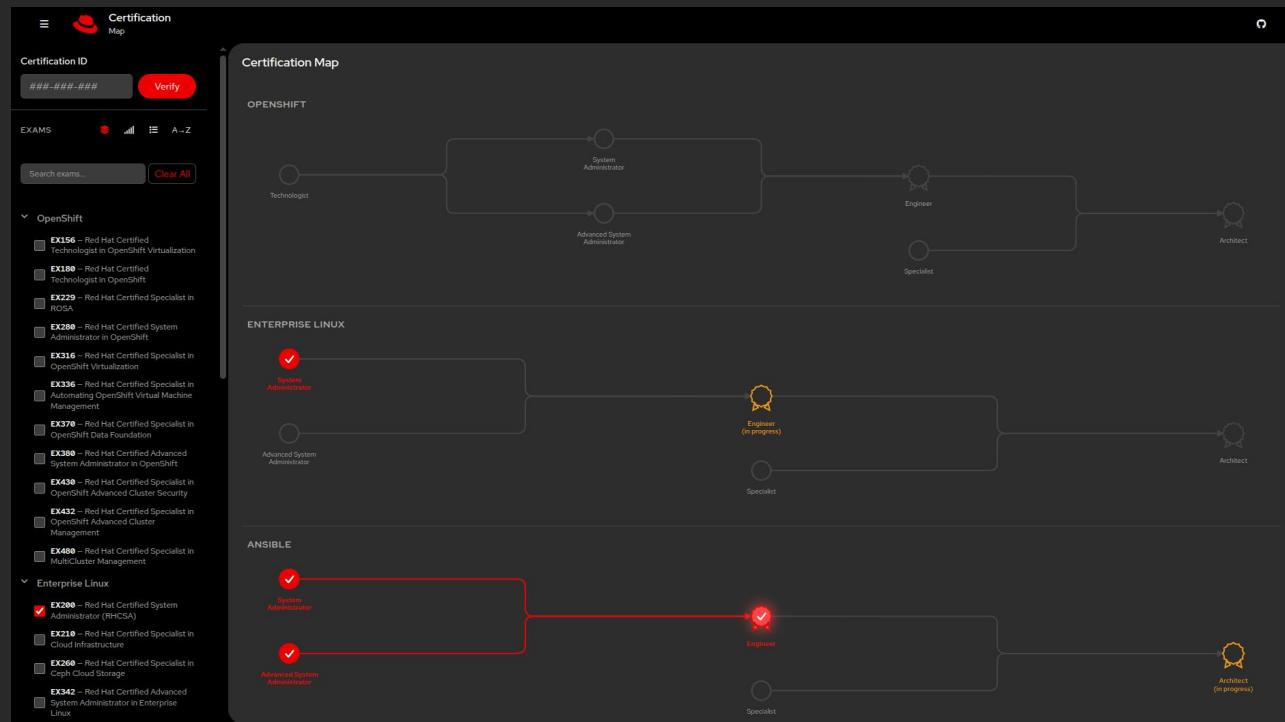
<https://www.redhat.com/en/blog/validate-targeted-expertise-major-updates-red-hat-certification>



Red Hat Certifications

Helpful Resources

- Check your certs: <https://rhtapps.redhat.com/verify>
 - Lists any old certifications (pre May 11th) – example: <https://rhtapps.redhat.com/verify?certId=150-127-256>
- *Unofficial* cert path helper: <https://rh-cert-map.wasmer.app/>



Red Hat Digital Sovereignty



Digital Sovereignty



Data sovereignty

The right and ability of a nation or organization to control its data involves localization, governance, and protection and privacy considerations.



Technology sovereignty

Running workloads without dependence on a provider's infrastructure provides security assurance, software sovereignty, and technology independence.



Operational sovereignty

Maintaining control over standards, processes, and policies gives organizations the transparency and auditability needed to manage infrastructure.



Assurance sovereignty

Verifying the integrity, security, and reliability of digital systems is vital to service continuity, data protection, and resilience.



Agentic Skill Pack

redhat.com/skills



Agentic Skills

Purpose-built skills that work with your existing Red Hat subscriptions and live data APIs

`/red-hat-cve-explainer`

CVE explainer

Look up any CVE using Red Hat's severity rating system.

Get plain-language impact assessment and a concrete action recommendation based on your environment.

`/red-hat-diagnostics`

Diagnostic data gathering

Step-by-step commands for collecting sosreport, OpenShift must-gather, and Ansible diagnostic bundles to attach to a Red Hat support case.

`/red-hat-security-mcp-setup`

Security MCP setup

A one-time helper for setting up the Red Hat Security MCP. Removes itself when complete.

`/red-hat-product-lifecycle`

Product lifecycle advisor

Check lifecycle status for any Red Hat product or version.

Know exactly which support phase you are in, what updates you receive, and when to plan your next upgrade.

`/red-hat-support-severity`

Support severity helper

Determine the correct severity level for a Red Hat support case. Explains SLAs, what information to include, and when to request 24x7 coverage.



Red Hat Virtualization



Red Hat Virtualization

Rapid and Accelerating Growth

Customers Rapidly Adopting
and Escaping Legacy
Virtualization Costs

Adoption Growth

417% increase in VMs

93% increase in Clusters

70% increase in Customers

Assessments & Migrations

1.1M VMs Assessed

400K migrated



~~Red Hat Trusted Libraries~~

Ronny is ill - we will present in a future meeting

~~Ronny Lim~~



Accelerate Cloud-Native Development and Zero-CVE Strategies

- **Fedora Hummingbird: The Builder's Foundation**
 - A free, container-native, image-based rolling release OS designed specifically for agent-first development and rapid innovation.
- **Red Hat Hardened Images**
 - A catalog of essential, pre-hardened container components designed for Zero-CVE strategies across the hybrid cloud.
- **Verified Agent Development**
 - Smooth transition from local sandboxes to production scale with Red Hat Desktop and Advanced Developer Suite



Red Hat Trusted Libraries

- Red Hat Trusted Libraries:
<https://www.redhat.com/en/blog/extend-trust-across-software-supply-chain-red-hat-trusted-libraries>



News & Announcements



Red Hat Summit 2027

Boston

May 25-27

Save the date!



The Red Hat OpenShift UX Design team wants to hear from *you!*



Let us know your thoughts on OpenShift by *signing up to participate in UX design research opportunities!*

Scan the QR code or go to:
<https://red.ht/RUGOpenShiftUXD>



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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