Red Hat Summit

Connect

Welcome 👋

Red Hat

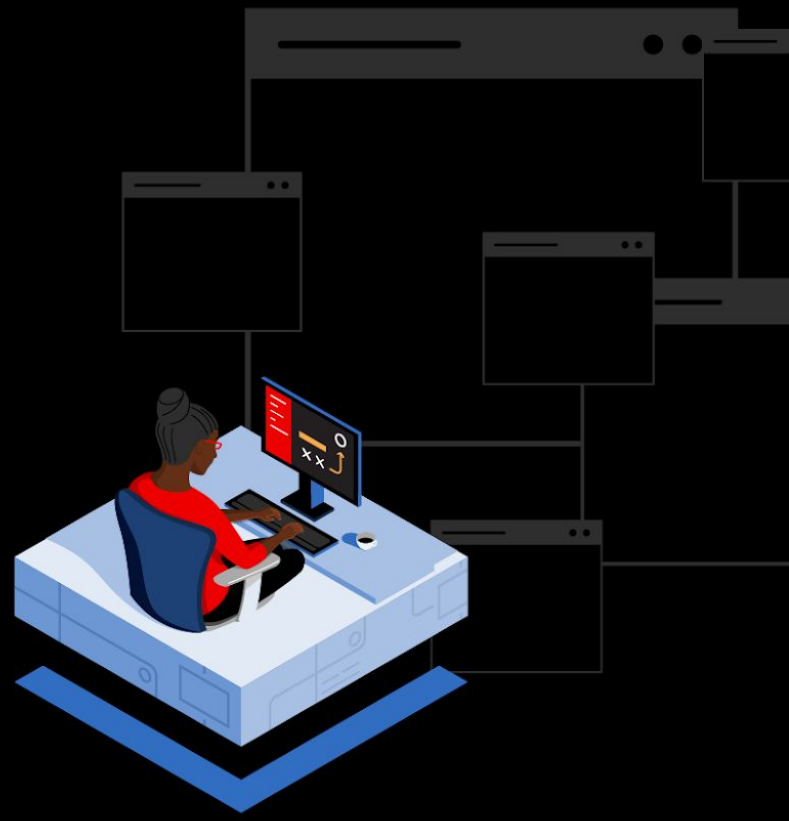
Red Hat Summit

Connect

DevOps experience

Red Hat

76%



of organizations say the cognitive load for developers is too high

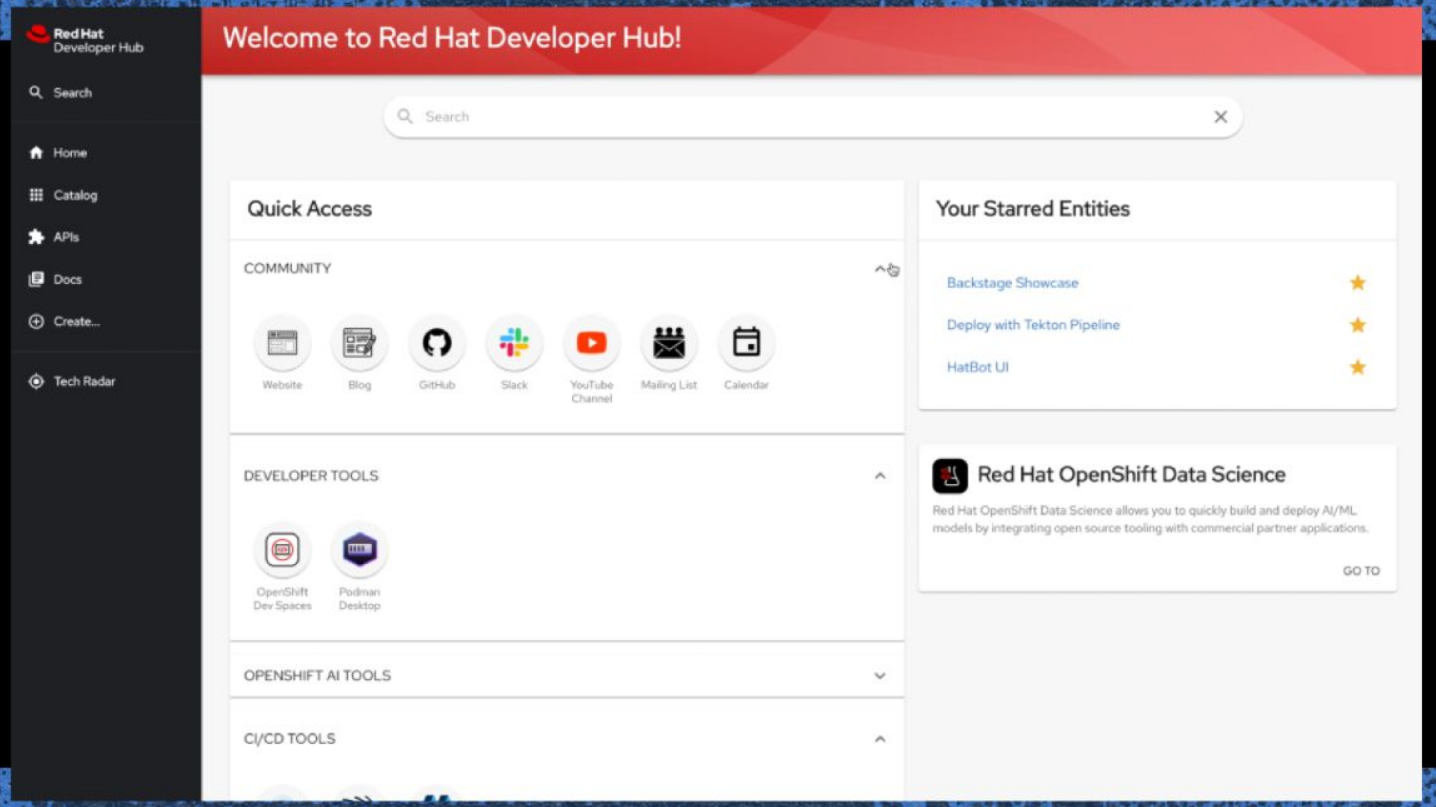
Source:

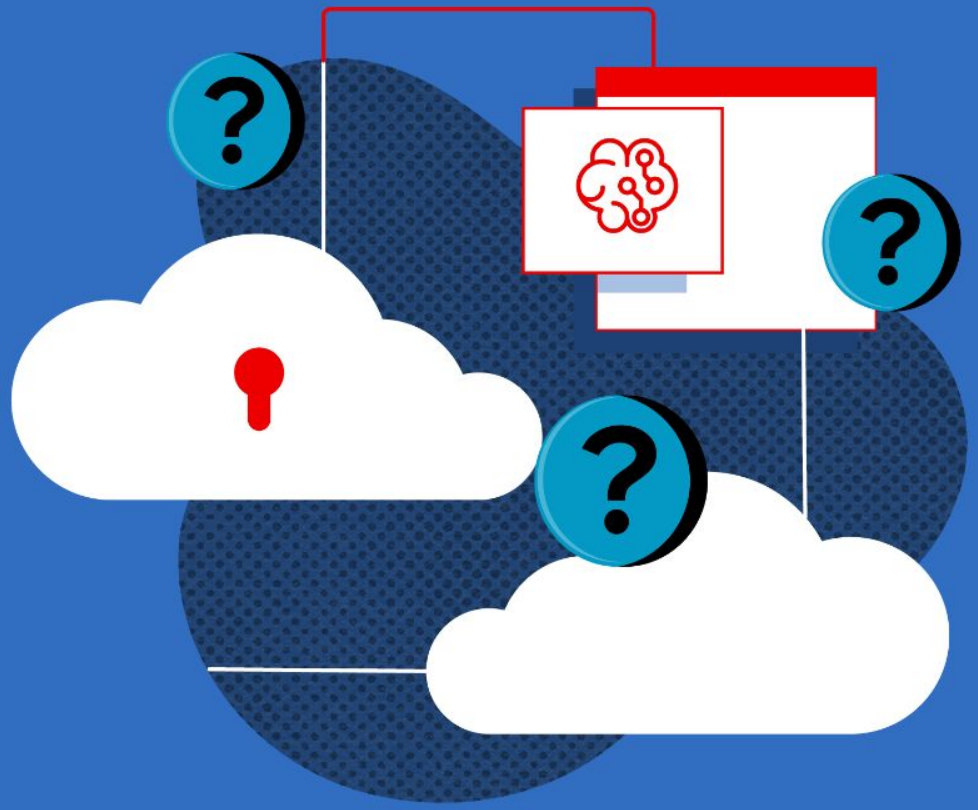
"New Research Shows How to Keep Developers Happy Amid the 'Great Resignation'," Salesforce, Apr. 2022.

Red Hat Plug-ins for Backstage

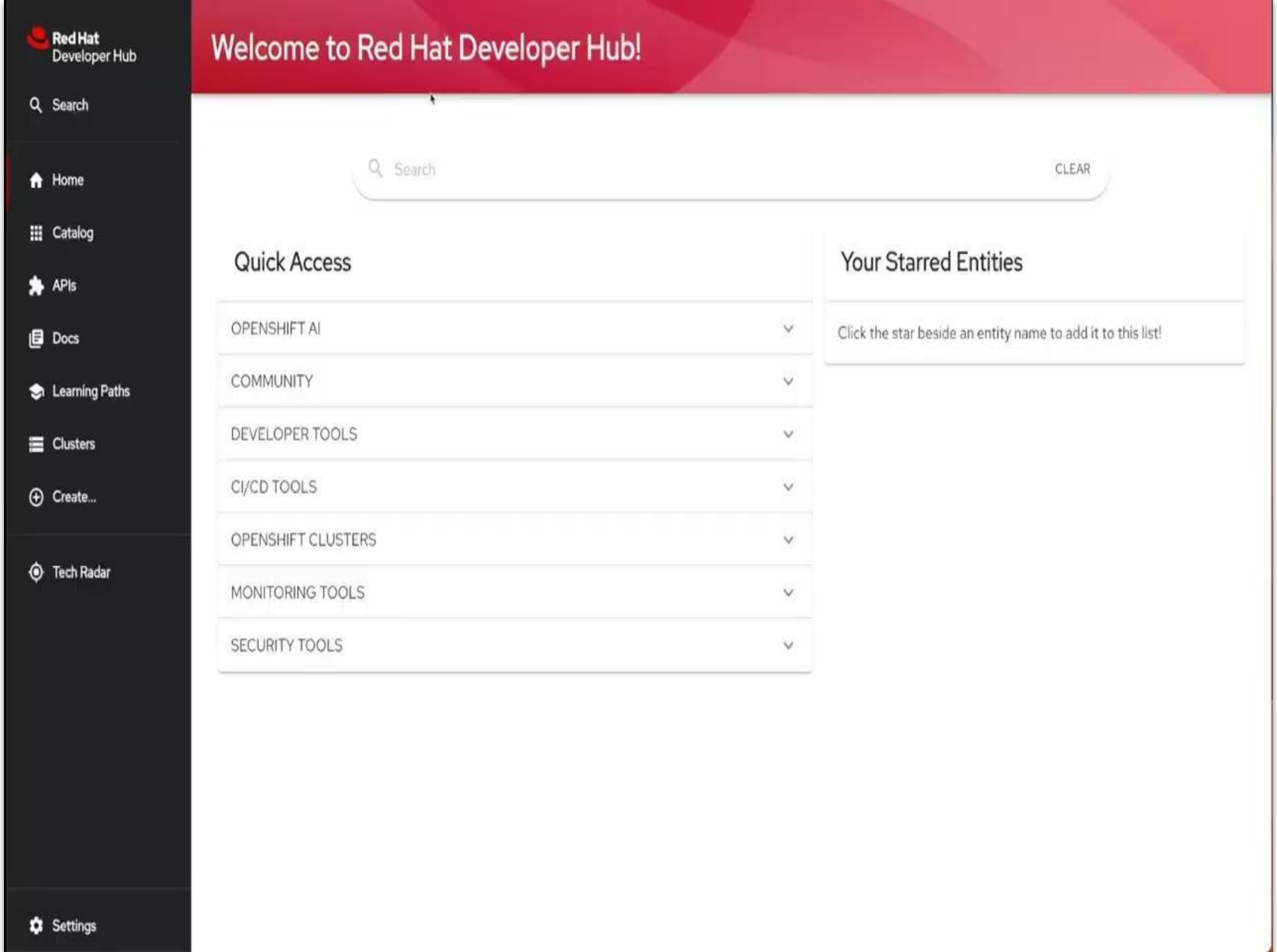
Backstage

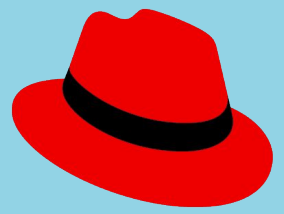
Red Hat Developer Hub





Red Hat OpenShift AI


Red Hat
Developer Hub
Search
Home
Catalog
APIs
Docs
Learning Paths
Clusters
Create...
Tech Radar
Settings
Welcome to Red Hat Developer Hub!
Search
CLEAR
Quick Access
OPENSHIFT AI
COMMUNITY
DEVELOPER TOOLS
CI/CD TOOLS
OPENSHIFT CLUSTERS
MONITORING TOOLS
SECURITY TOOLS
Your Starred Entities
Click the star beside an entity name to add it to this list!



Red Hat

Automation

Welcoming on stage:
Craig Brandt

Automation is nothing if it's not solving a problem.

“Red Hat is a catalyst in the community of customers, partners and contributors bringing the power of open source to the enterprise.”

Ansible Lightspeed with IBM watsonx Code Assistant

aws_instance.yml ●

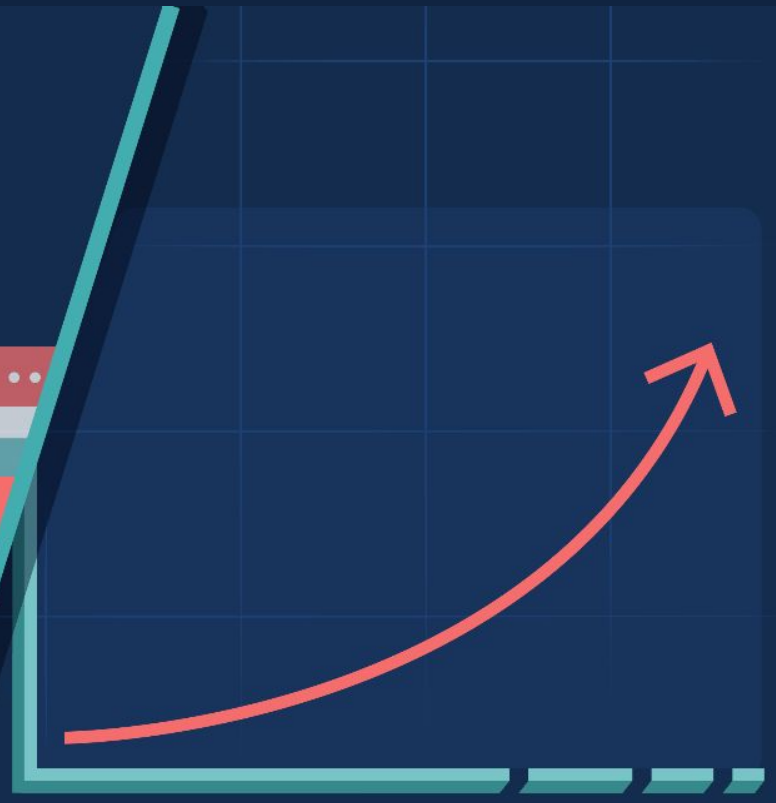
You, 2 minutes ago | 1 author (You)

```yaml
---
- name: AWS Cloud Operations
  hosts: localhost
  gather_facts: false

  vars:
    instance_config:
      tags:
        function: cloud-ops
      key_name: app-keypair
      image_id: ami-016eb5d644c333ccb
      vpc_subnet_id: subnet-0332628f89a6eb487
      security_group: sg-01987c47fb4cdf887
      wait: false

  tasks:
    - name: Create a key pair in us-east-1 named app-keypair
      amazon.aws.ec2_key:
        name: app-keypair
        region: us-east-1
        state: present
      register: key_result

    - name: Create a t3.medium instance called summit-connect-01 using instance_config var
```

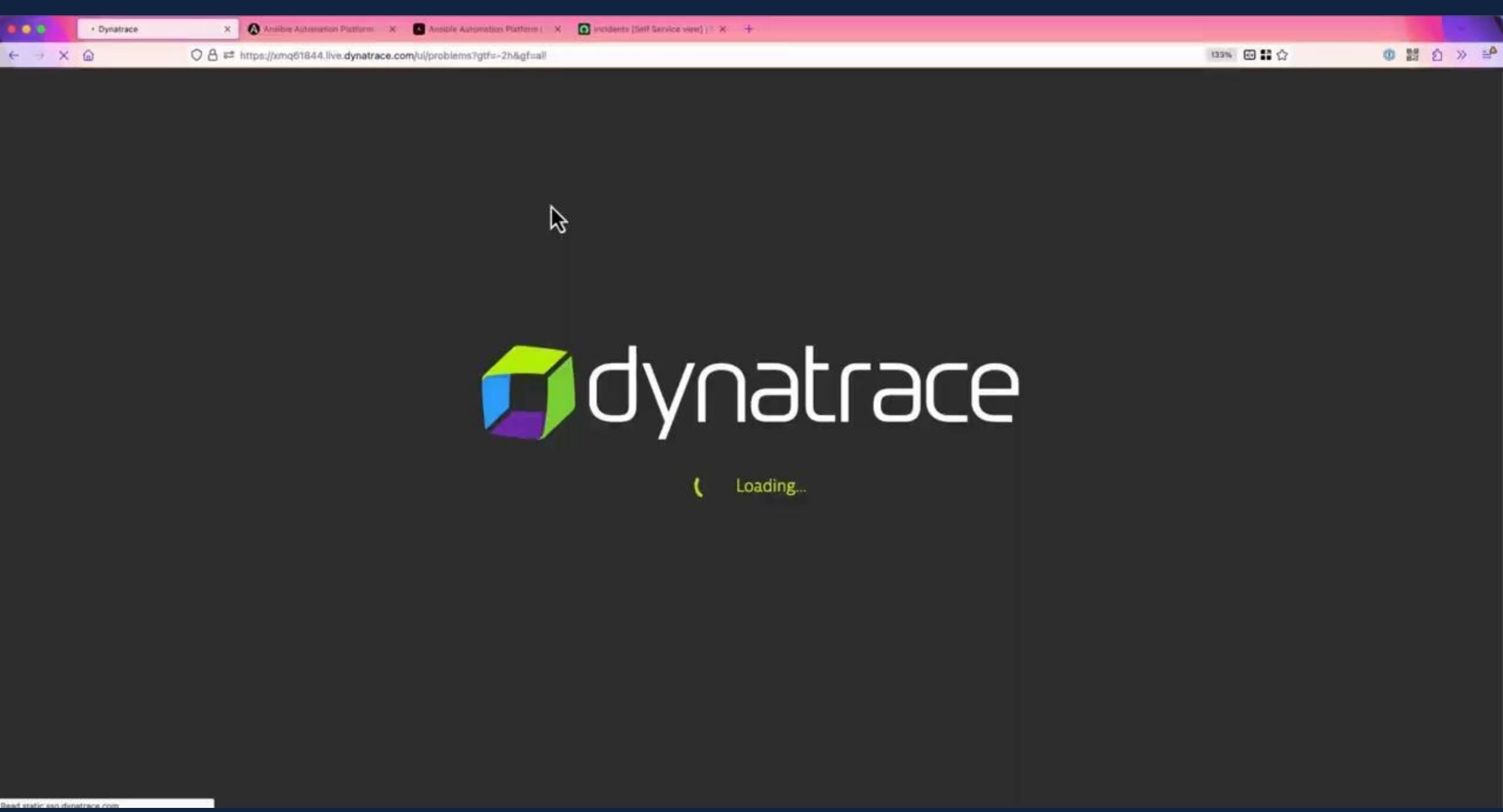
You, 2 minutes ago • initial

Red Hat
Ansible Automation
Platform

Event-Driven Ansible

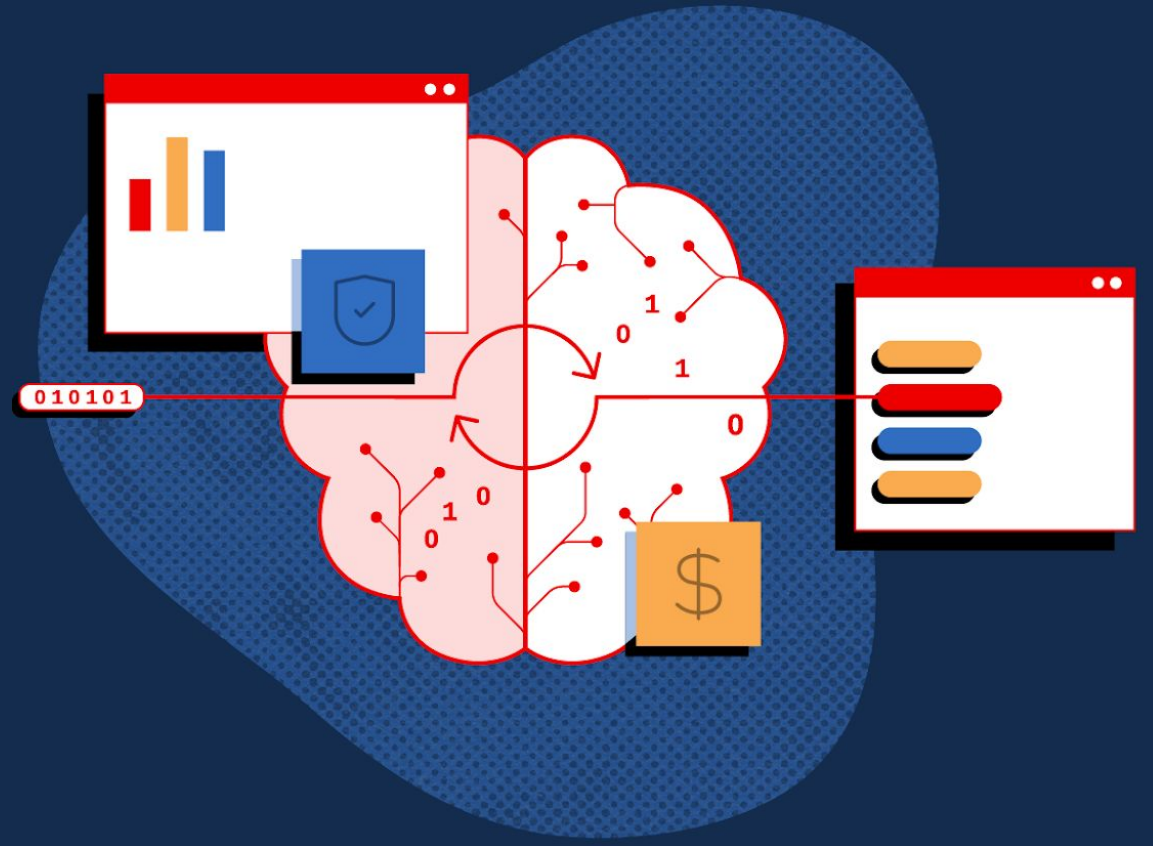


Focus on tackling new challenges


Dynatrace
https://xmq61844.live.dynatrace.com/ui/problems?gtf=-2h&gf=all
dynatrace
Loading...

By 2027, AI automation will improve key service-level objectives and reduce manual operations intervention by

70%



Source:

Turner, Mary Johnston. "IDC FutureScape: Worldwide Future of Digital Infrastructure 2023 Predictions." IDC, Dec. 2022.

Red Hat Summit

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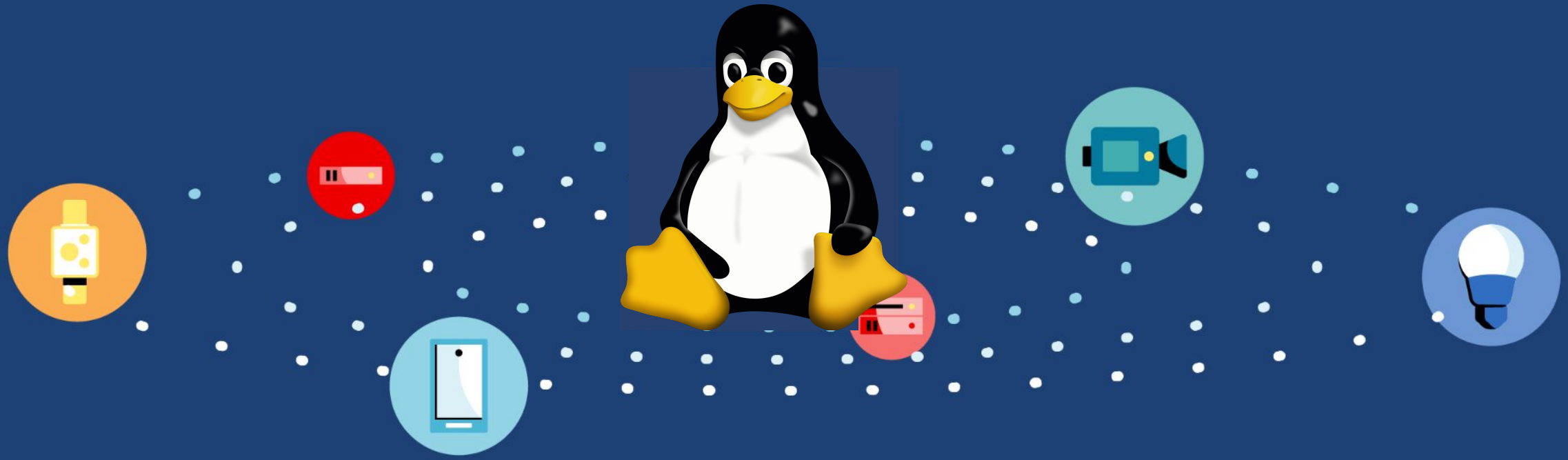
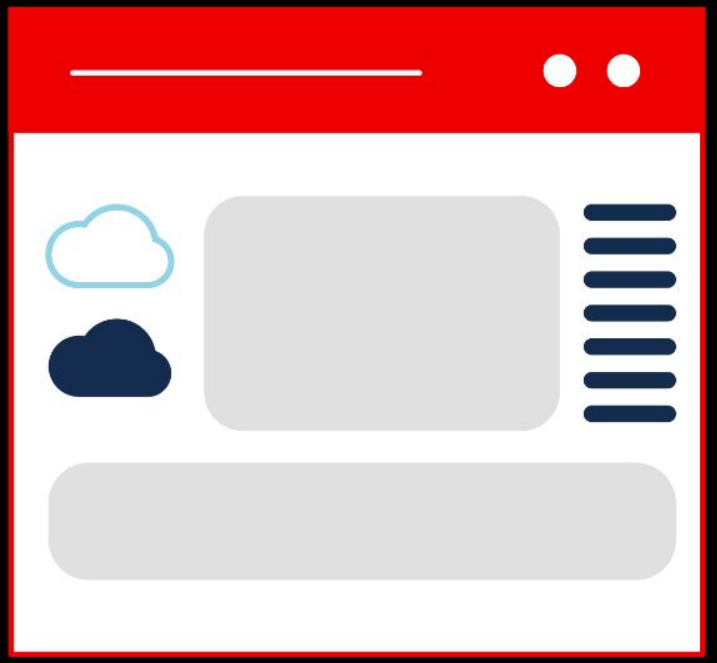
Infrastructure experience

Red Hat

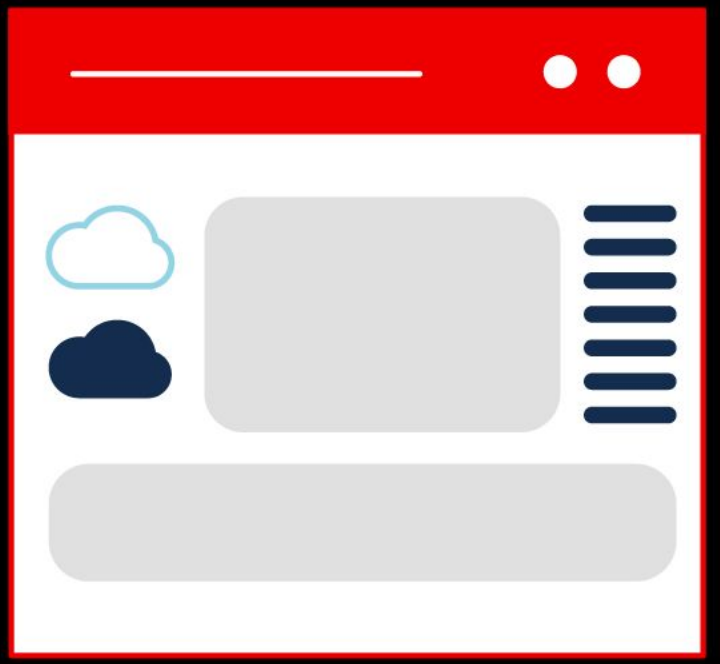


Red Hat
Enterprise Linux



Red Hat
Enterprise Linux

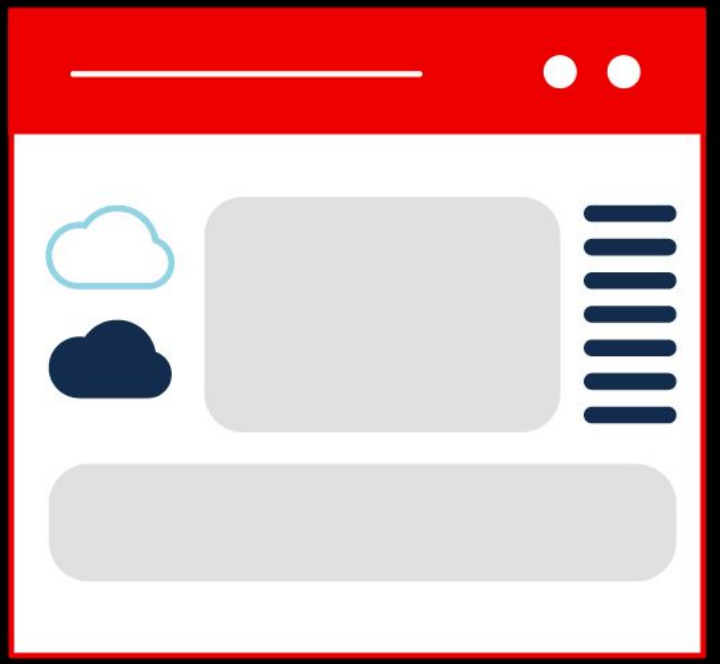
Red Hat
Insights



Red Hat
Enterprise Linux

Red Hat
Insights

Red Hat Enterprise Linux Image Builder

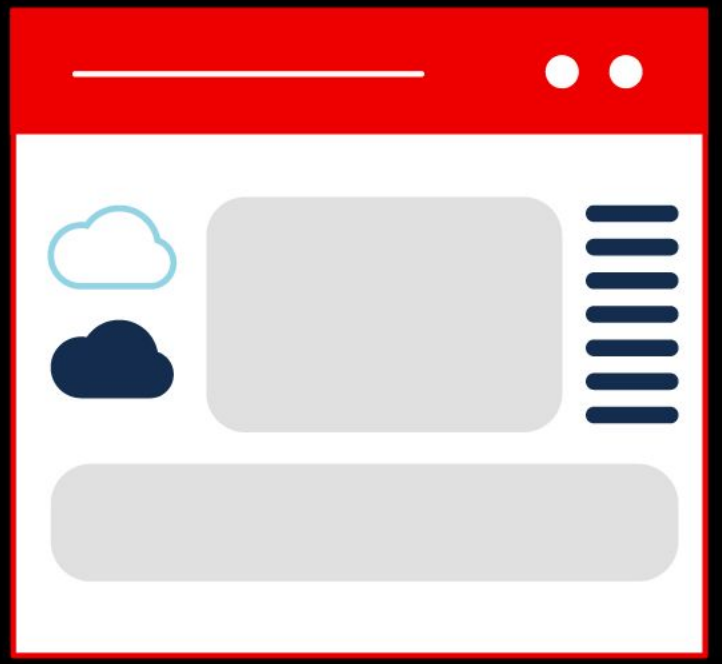


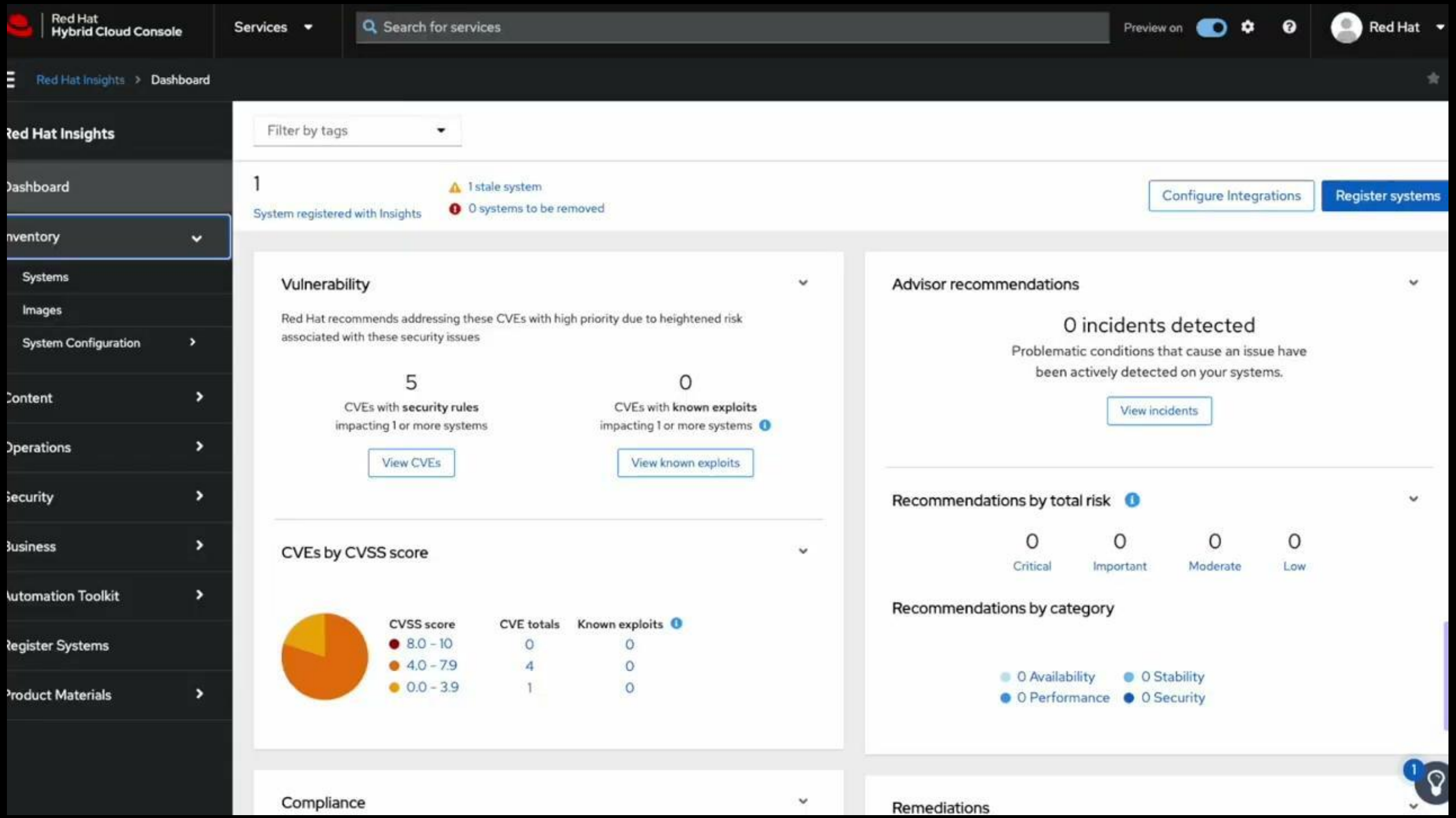
Red Hat
Enterprise Linux

Red Hat
Insights

Red Hat Enterprise Linux Image Builder

Red Hat
Satellite




Red Hat
Hybrid Cloud Console
Services
Search for services
Preview on
Red Hat
Red Hat Insights > Dashboard
Red Hat Insights
Dashboard
Inventory
Systems
Images
System Configuration
Content
Operations
Security
Business
Automation Toolkit
Register Systems
Product Materials
Filter by tags
1
System registered with Insights
1 stale system
0 systems to be removed
Configure Integrations
Register systems
Vulnerability
Red Hat recommends addressing these CVEs with high priority due to heightened risk associated with these security issues
5
CVEs with security rules impacting 1 or more systems
View CVEs
0
CVEs with known exploits impacting 1 or more systems
View known exploits
CVEs by CVSS score
CVSS score
CVE totals
Known exploits
8.0 - 10
0
0
4.0 - 7.9
4
0
0.0 - 3.9
1
0
Advisor recommendations
0 incidents detected
Problematic conditions that cause an issue have been actively detected on your systems.
View incidents
Recommendations by total risk
0
Critical
0
Important
0
Moderate
0
Low
Recommendations by category
0 Availability
0 Stability
0 Performance
0 Security
Compliance
Remediations

Red Hat Enterprise Linux

Red Hat Insights

Red Hat Enterprise Linux Image Builder

Red Hat Satellite

Red Hat Summit

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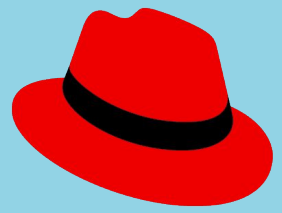
Keynote closing remarks

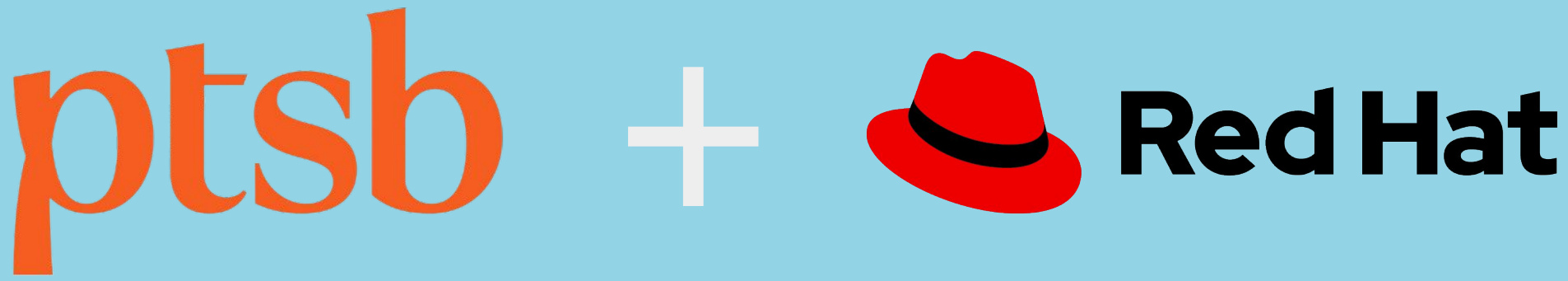
Red Hat



Red Hat | ptsb

Altogether More Human: Weaving empathy into platforms, cultures, and customer connections

Red Hat



Altogether More Human: Weaving empathy into platforms, cultures, and customer connections

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Thank you

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Red Hat

Reality of enterprise IT environments

Mixed infrastructure environments, diverse app portfolios, & limited automation

Infrastructure

Bare metal

Virtualization

Edge

Private cloud

Public cloud

Applications

AI/ML

Analytics

Serverless

Cloud-native & microservices

Java™

.Net

ISV

People & processes

Developer tools

Pipeline & processes

People & policies

The right skills

Red Hat

636%

return on investment over 5 years

10 months
to payback

US$21.6 million
higher revenue per year per organization

54%
lower 5-year cost of operations

71%
less unplanned downtime

3x
more new features per year

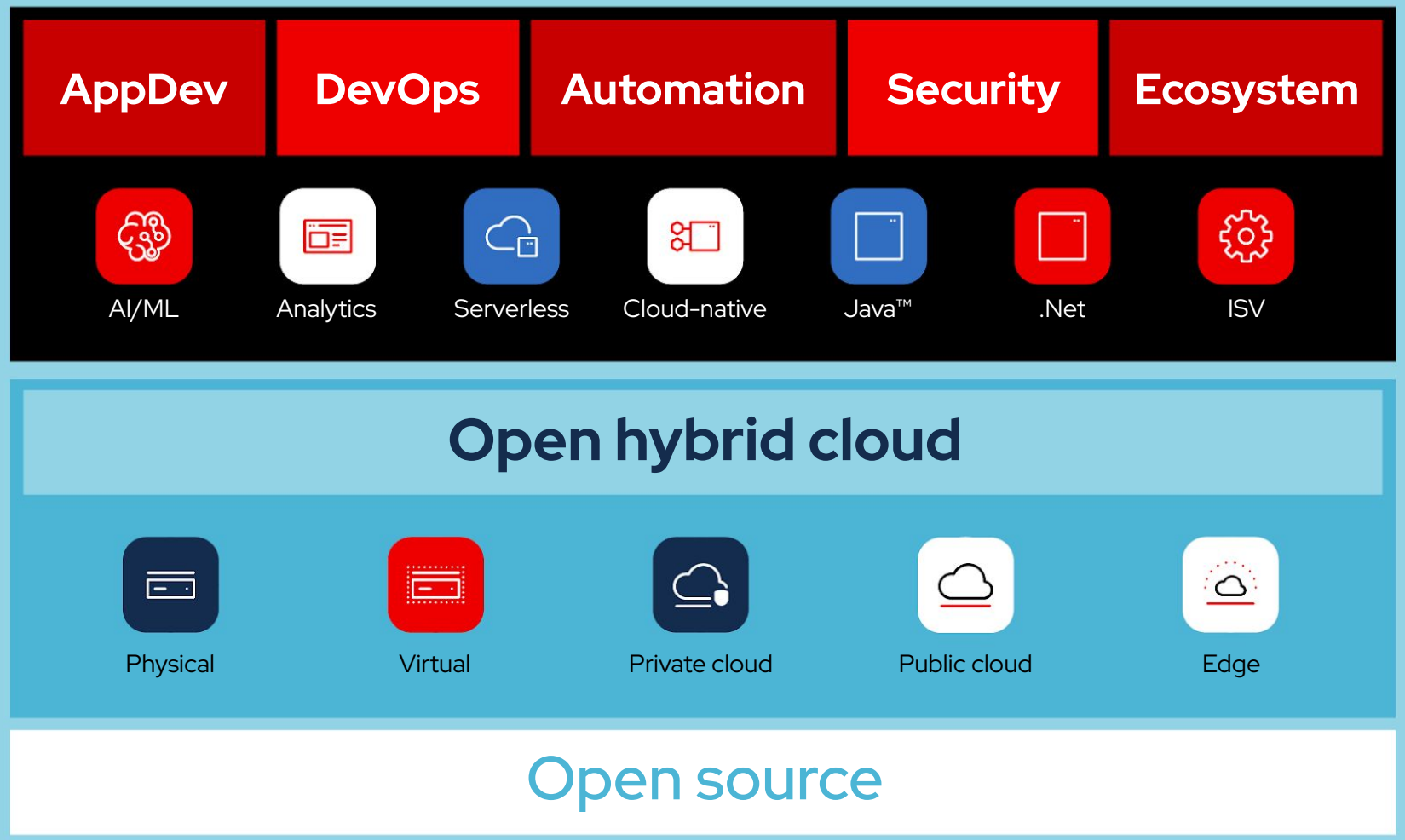
21%
more efficient IT infrastructure teams

20%
higher application developer productivity

Source:

IDC White Paper, sponsored by Red Hat, "The Business Value of Red Hat OpenShift," doc # US47539121, March 2021.

Red Hat open hybrid cloud



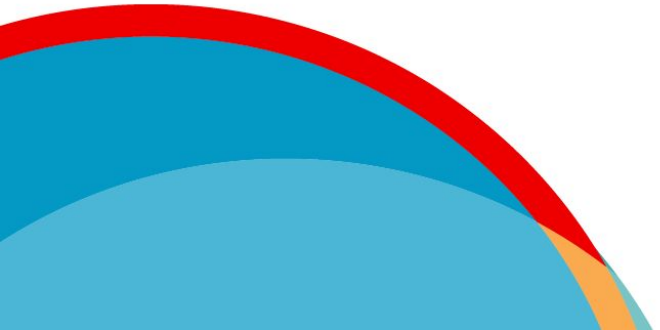
Red Hat

Infra/Edge experience

Title:

- Scaling Infrastructure with Intelligence: From DataCenter to Cloud to Edge

Abstract: Red Hat is enabling Infrastructure teams to better scale RHEL across Data Center, Cloud and Edge, as well as highlight new AI integration into RHEL Insights. Will also highlight new Edge work that we're delivering with key ecosystem partners.



Red Hat

Which hybrid cloud outcomes would help you deliver digital differentiation?

Deliver innovative applications faster

Architect a stable and security-focused hybrid cloud foundation

Manage and automate across hybrid cloud and edge

Put digital transformation into practice

Adopt new global delivery models

Red Hat

Red Hat Summit

Connect

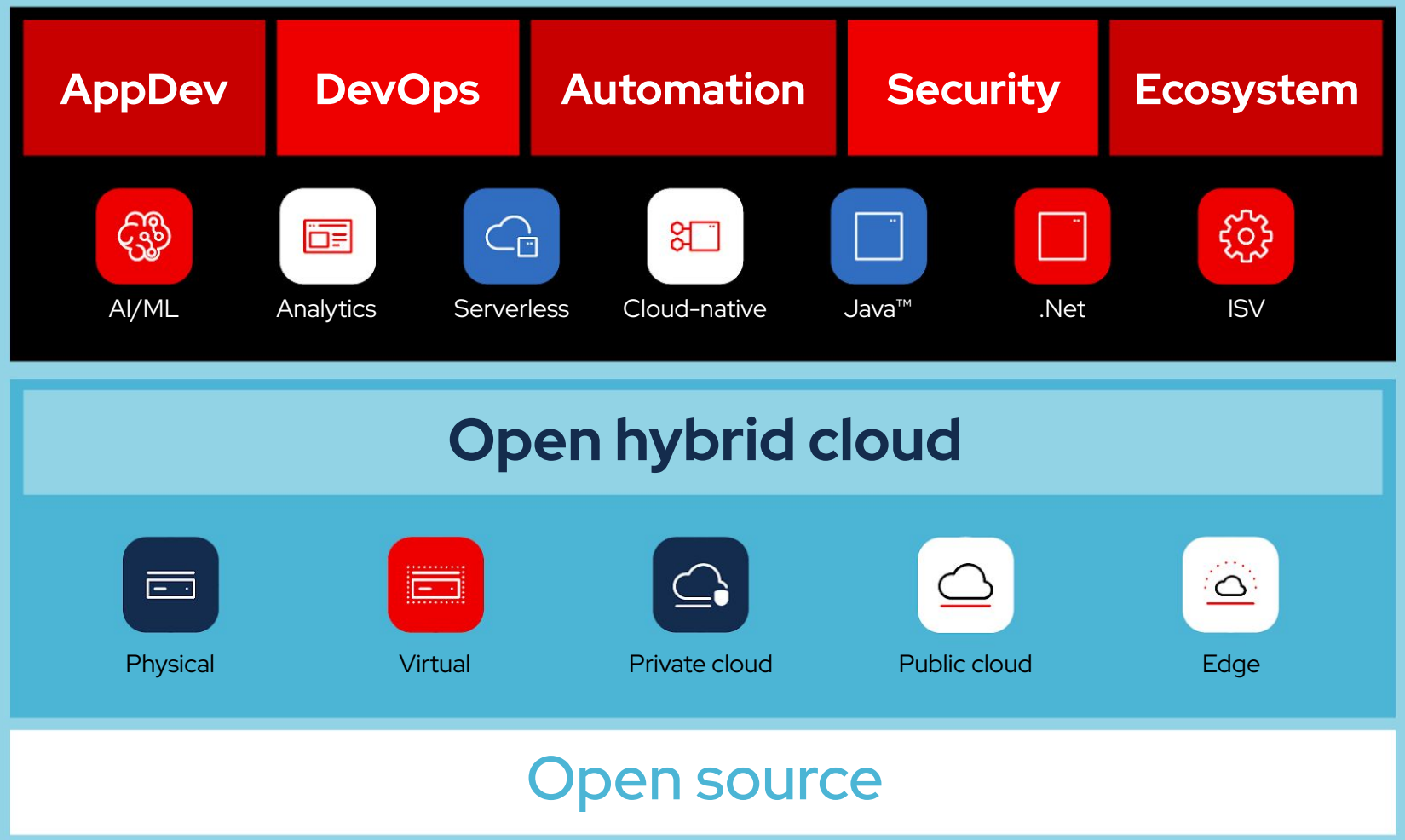
Keynote opening remarks

Red Hat

Connect

Red Hat

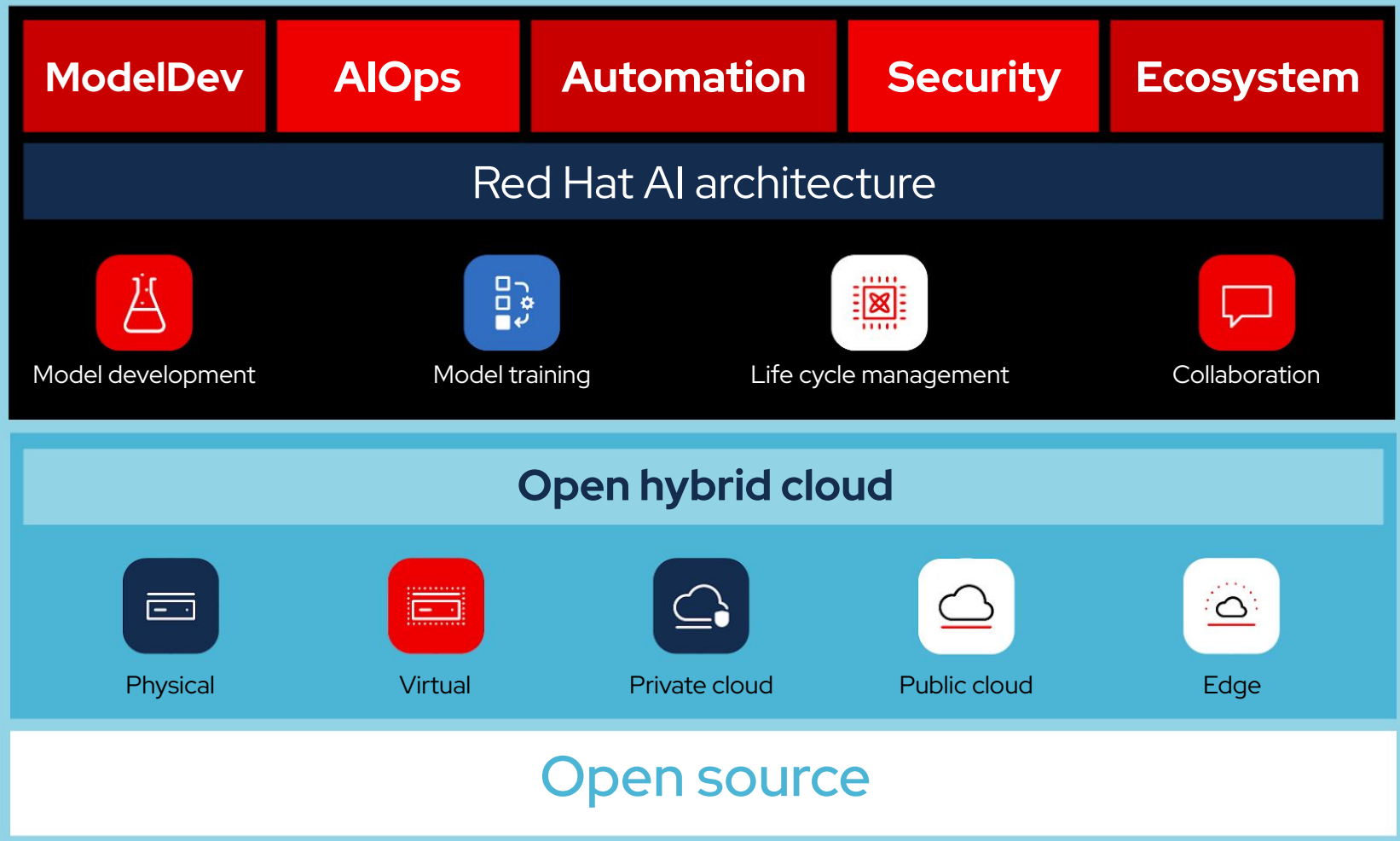
Red Hat open hybrid cloud



Red Hat

Red Hat AI architecture

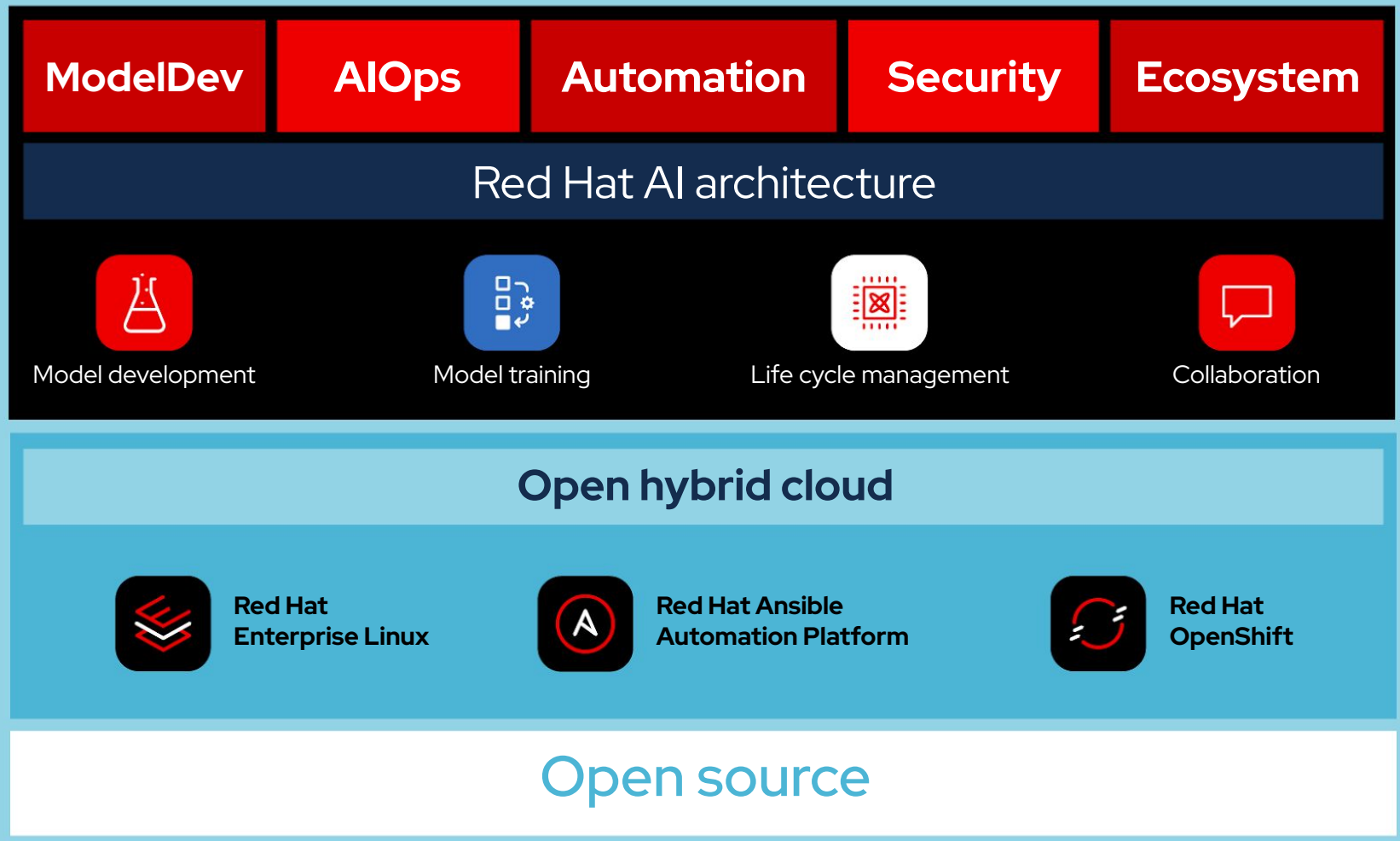
Built on open hybrid cloud technologies



Red Hat

Red Hat AI architecture

Built on open hybrid cloud technologies



Red Hat

Red Hat Summit

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Automation experience

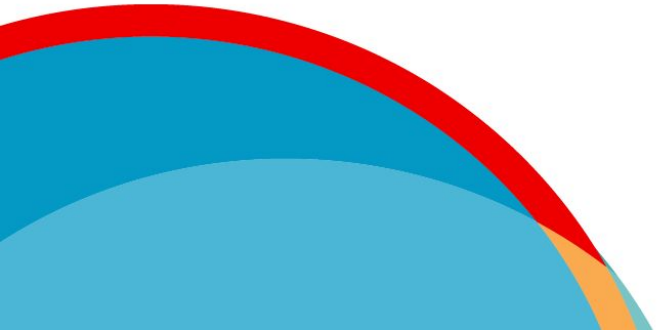
Red Hat

Automation experience

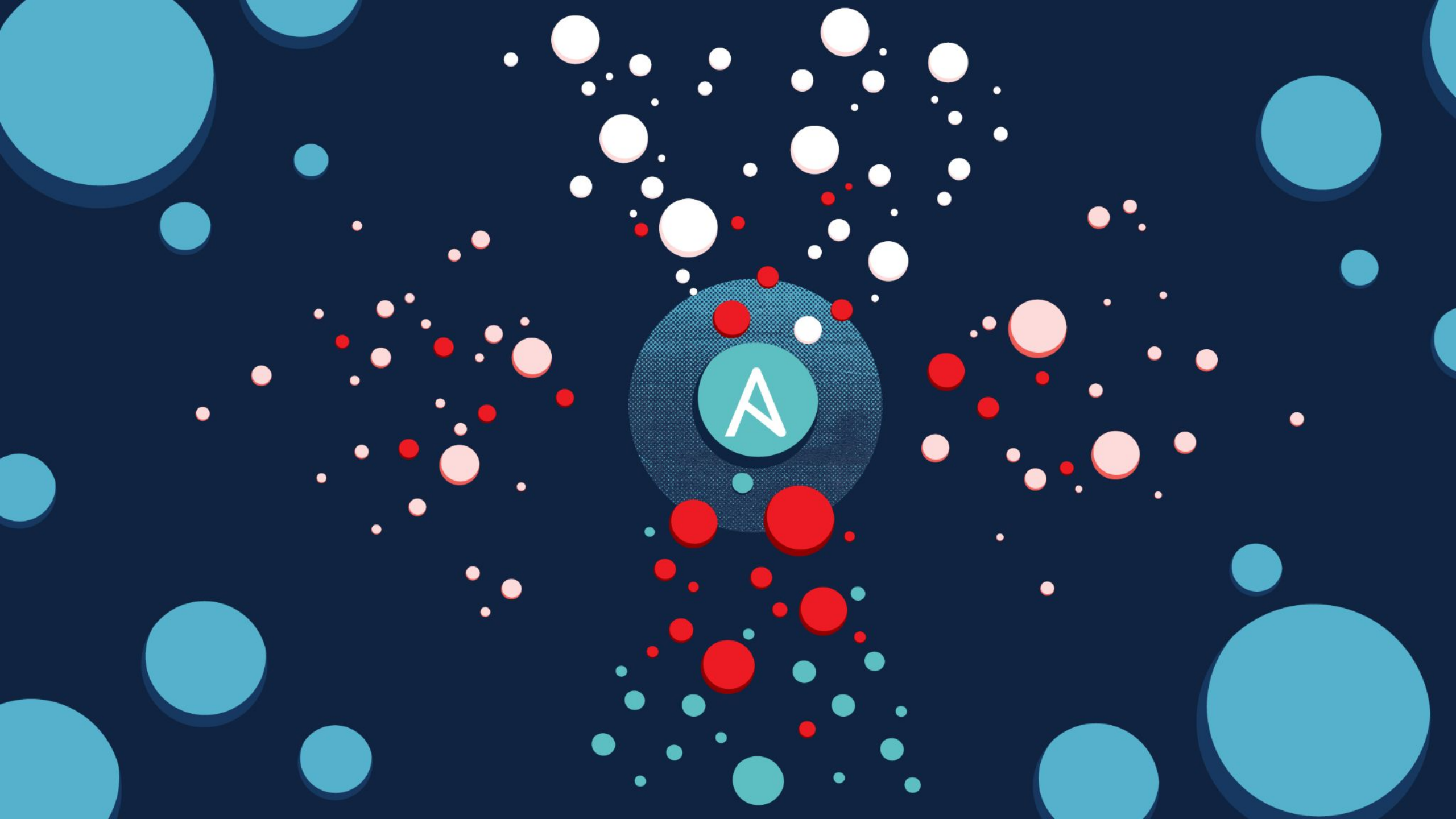
Title:

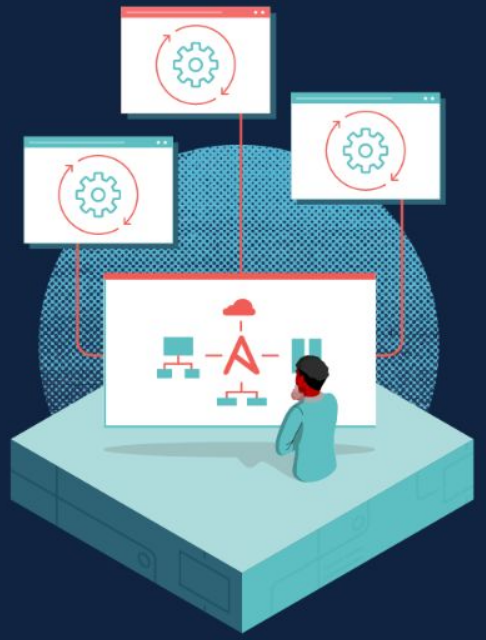
- Simplifying Complexity: Unleashing the New Powers of Ansible Automation

Abstract: Red Hat is we're enabling Infra/Ops teams (or "Platform Engineering teams") to bring the power of AI to Ansible automation, through the power of Generative AI, and new Event-Driven Ansible workflows.



Red Hat





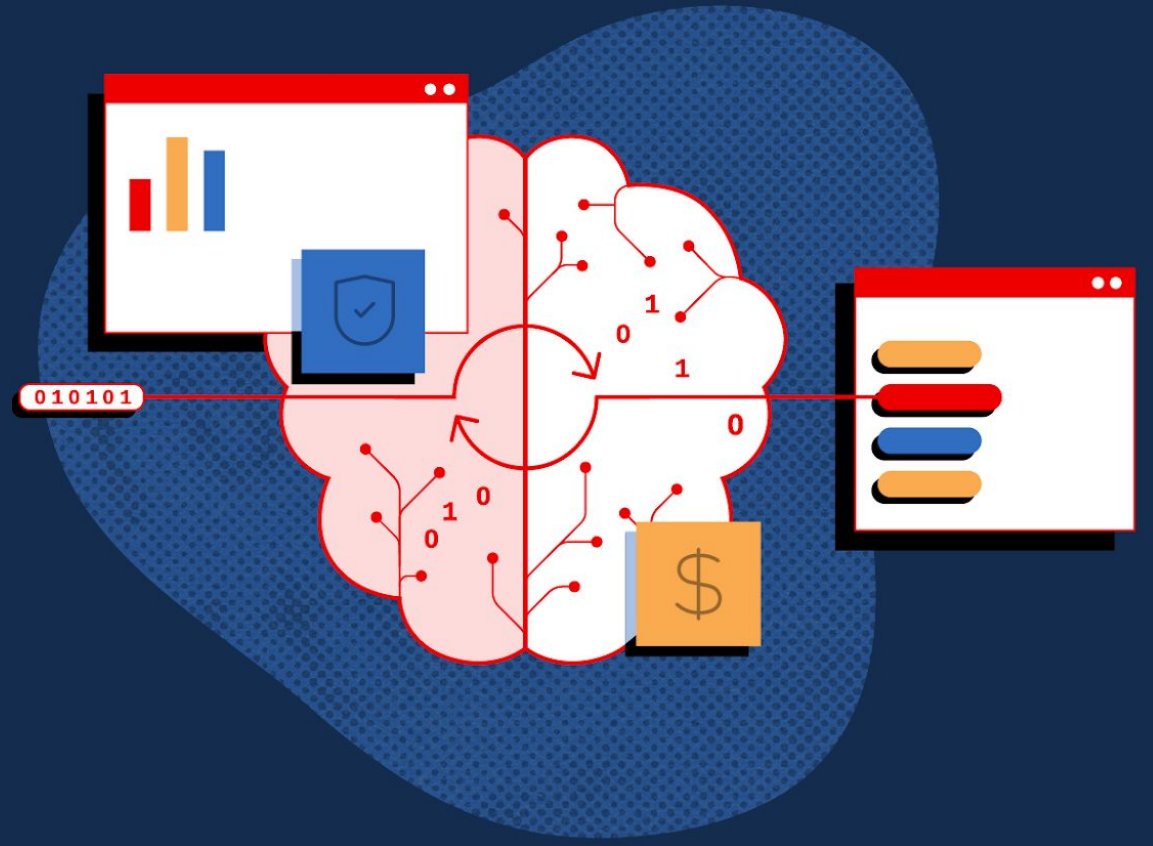
010101

Ansible Lightspeed with IBM watsonx Code Assistant

and

By 2027, AI automation will improve key service-level objectives and reduce manual operations intervention by

70%



Source:

Turner, Mary Johnston. "IDC FutureScape: Worldwide Future of Digital Infrastructure 2023 Predictions." IDC, Dec. 2022.

“Red Hat is a catalyst in the community of customers, partners and contributors bringing the power of open source to the enterprise.”

Red Hat Summit

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Security experience

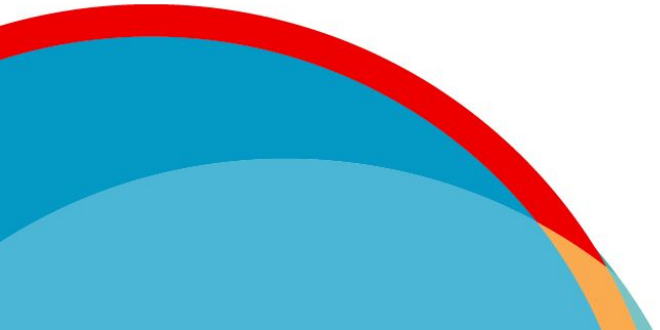
Red Hat

Security experience

Title:

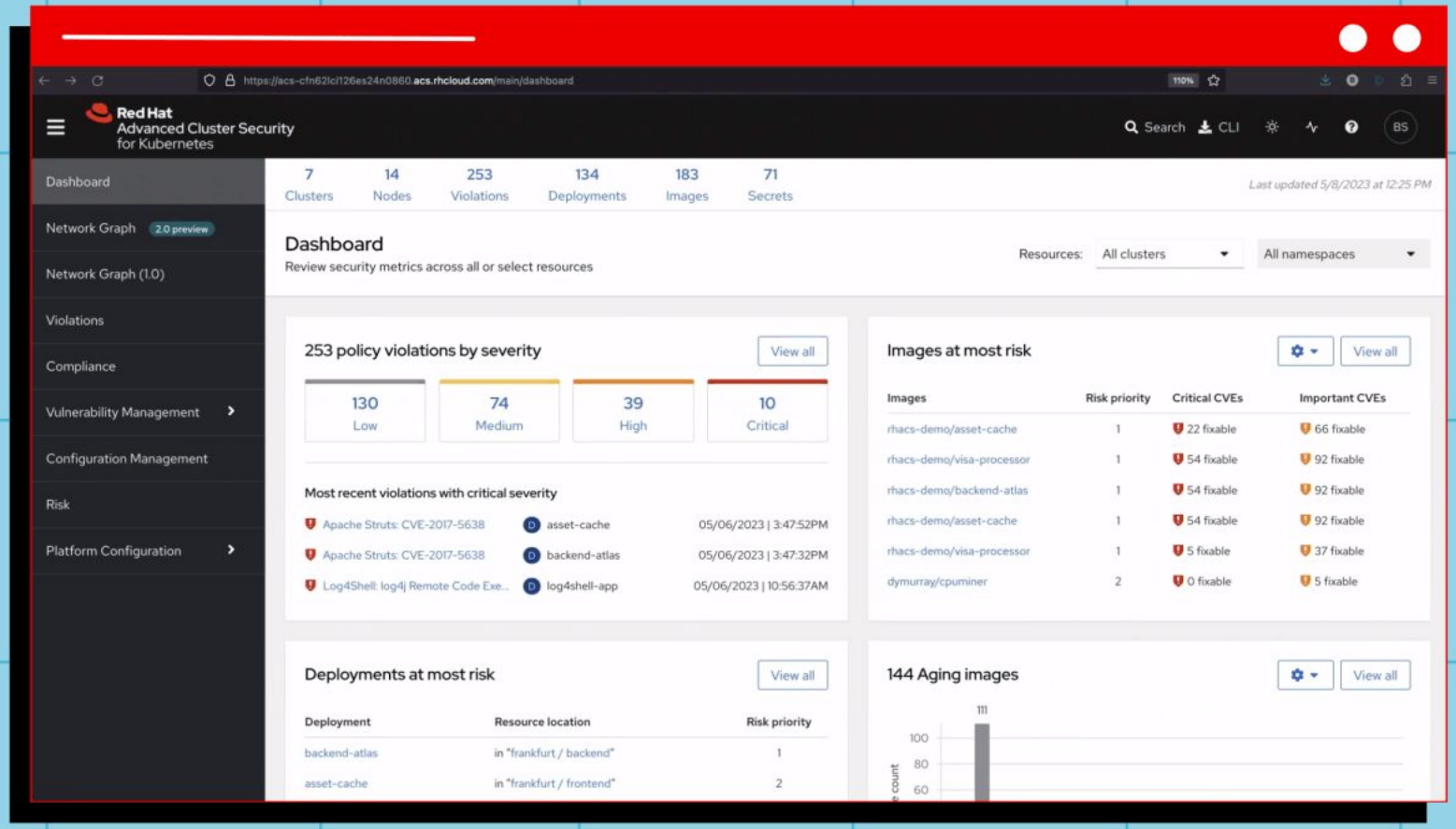
- Securing the Foundation: Unleashing the Power of Cloud and Secure Software Supply Chains

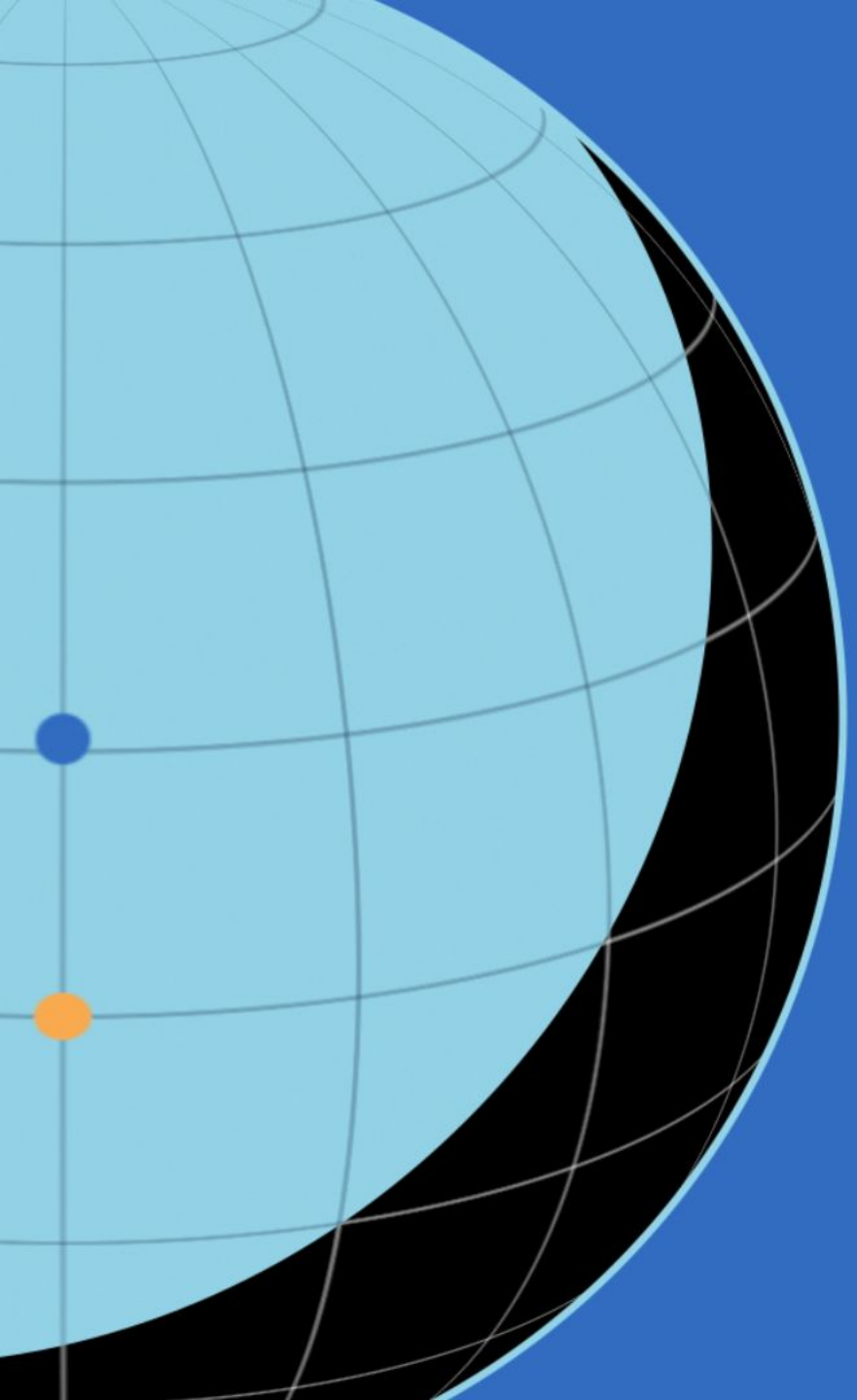
Abstract: Red Hat is we enable Trusted Software Supply Chain across all Red Hat solutions, including new announcements around our work with SigStore, and cloud-enabled Red Hat Advanced Cluster Security (ACS).



Red Hat

Red Hat
Advanced Cluster
Security Cloud Service





Mitigate risk and manage security

Resilience to vulnerabilities

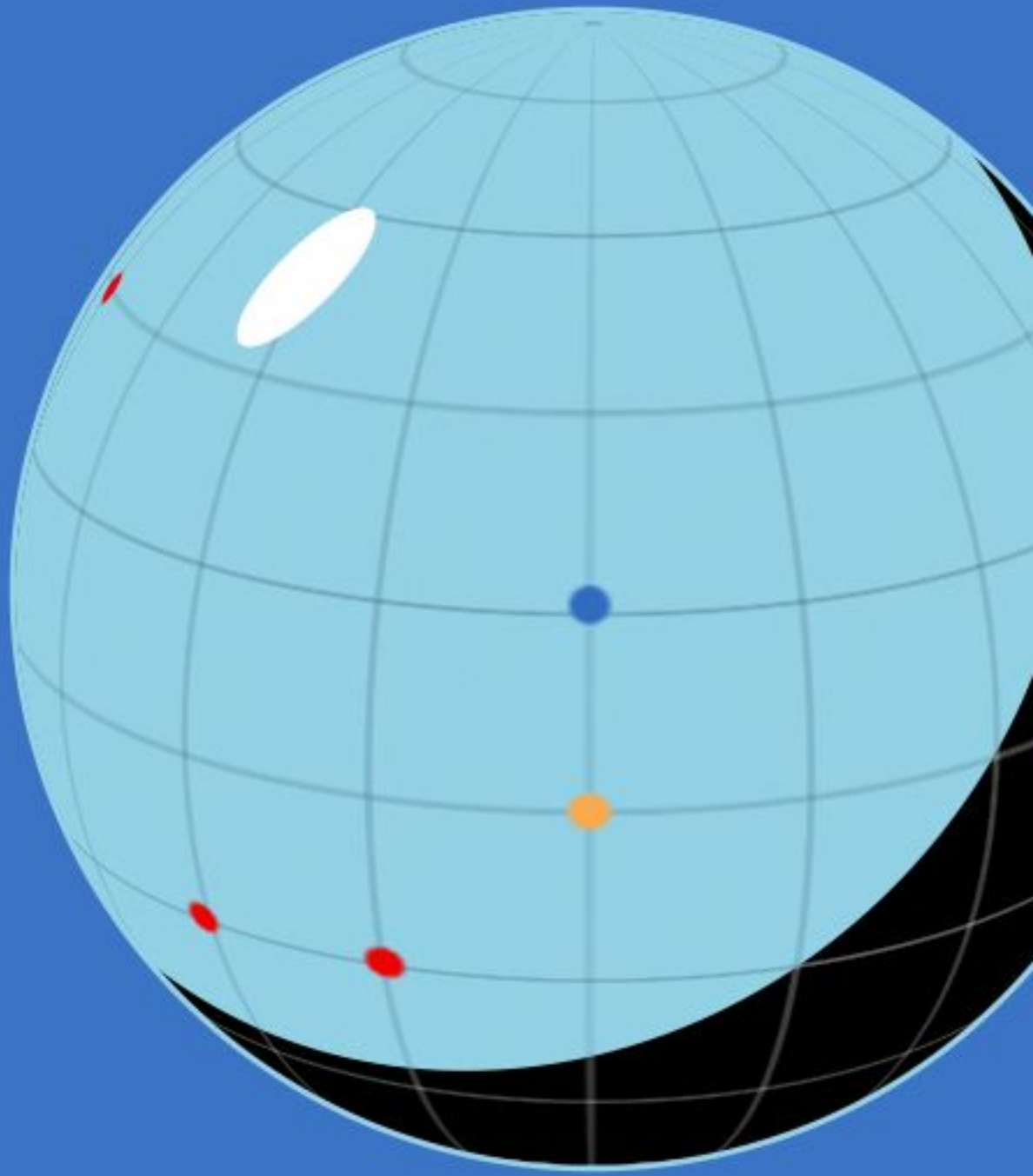
742%

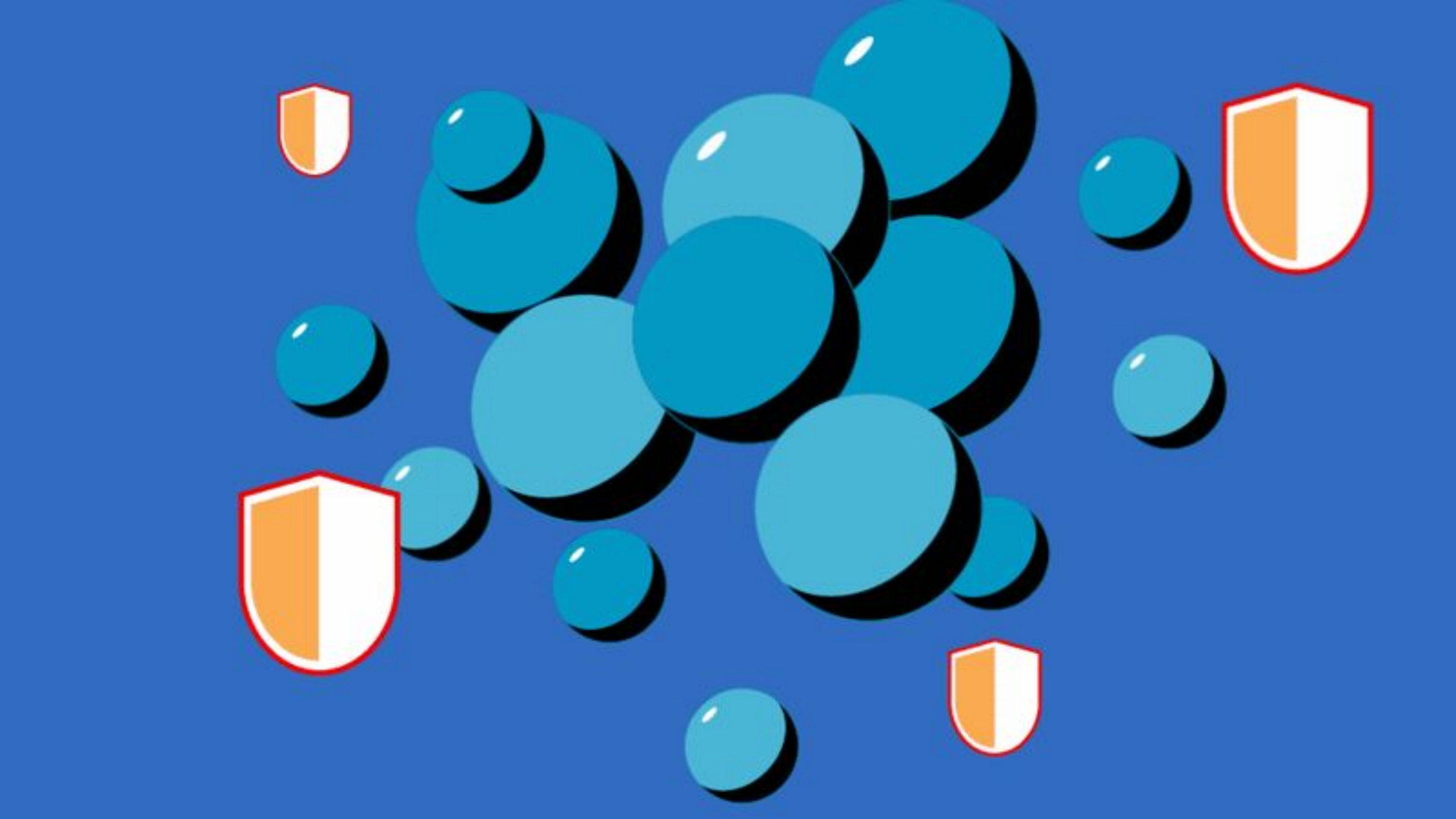
"8th Annual State of the Software Supply Chain." Sonatype, Oct. 2022.

Resilience to vulnerabilities

Big challenge

- Complying with standards
- Existing toolchain not designed to provide provenance and attestation





Editable text

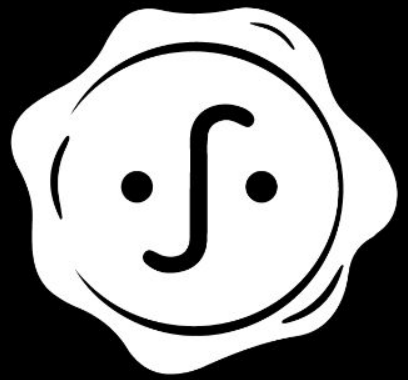
- [x] CVE-2023-14801
- [ ] CVE-2025-9881
- [ ] CVE-2031-12544
- [x] CVE-2023-22019
- [x] CVE-2030-6190

Listed CVEs

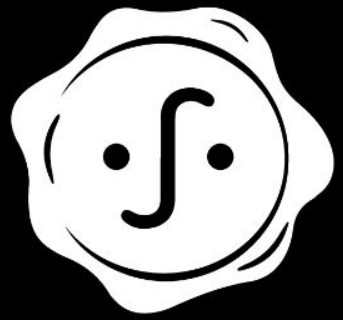
associated with this application

Update

Update all



sigstore



sigstore

- A tool that automates how components are digitally signed and checked
- Trace software back to the source

Red Hat Trusted Software Supply Chain