What's **new** and what's **next** on your **Red Hat journey**
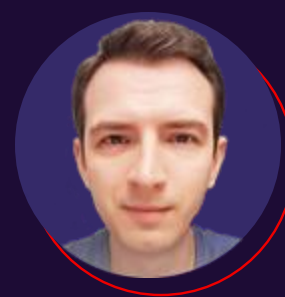
Wojciech Furmankiewicz
Head of Technology Sales
Red Hat CEE

Andrzej Kowalczyk
Principal Solution Architect
Red Hat CEE

Jakub Veverka
Associate Principal Solution Architect
Red Hat CEE

Piotr Mińkowski
Senior Solution Architect
Red Hat CEE

Jarosław Stakuń
Principal Solution Architect
Red Hat CEE

Business is driven
by major technology waves

Mainframe
1960-1980

PC
1980s

Networking
1990s

Internet
2000s

Mobile
2010s

Cloud
2015-2025+

AI
2022-2030+
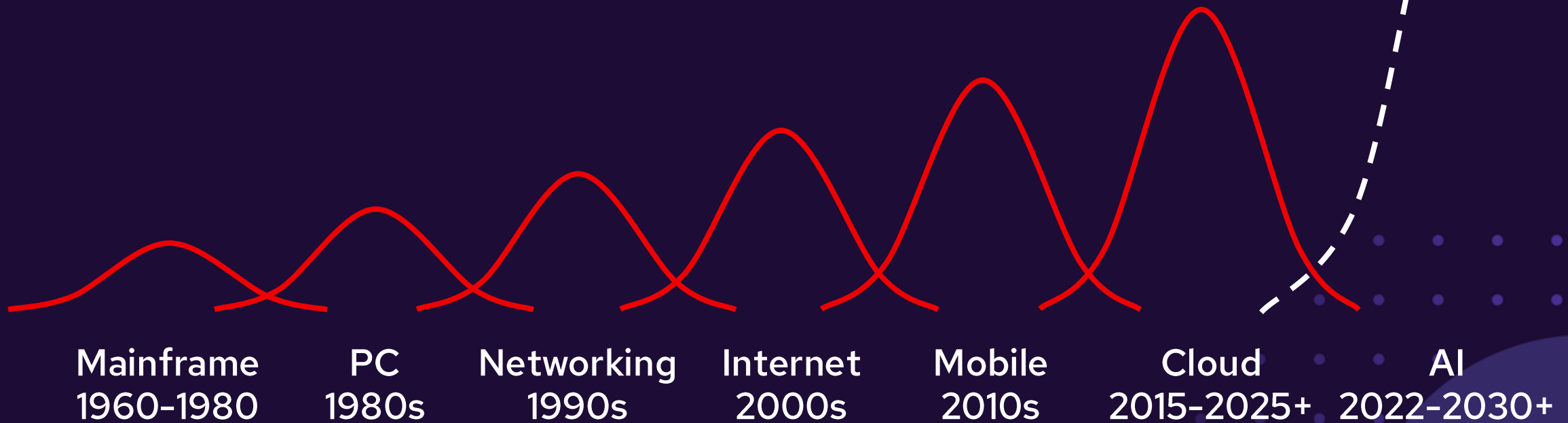
Red Hat's approach to digital sovereignty

Our five core commitments

Open source software	Open hybrid cloud	Critical infrastructure	Local ecosystem partners	Sovereign AI workloads
Provides transparency and trust	Provides control and choice	Robust protection, operational resilience and stability	Building and collaborating together	Unlocking the future

Open source is foundational to digital sovereignty

Open Hybrid Cloud

Collaboration

DevOps	Platform engineering	GitOps	FinOps

Workloads   Workloads   Workloads

Innovation

Modern application platform

Consistency

Integrated containers and virtual machines

Consistent, secure infrastructure platform

Automation platform

Location

Physical   Virtual   Private cloud   Sovereign cloud   Public cloud   Edge

Is there still more opportunity to optimize your cloud?

Efficiency

Modernization

# Companies are rethinking their current virtualization platforms

Common concerns include:

▸ Rising licensing costs

▸ Management complexity

▸ Vendor lock-in

▸ Low confidence in long-term support and innovation

"**70%** of organizations have recently moved VM workloads to a different or additional hypervisor—or are in the process of making a switch."

OpenShift Virtualization adoption
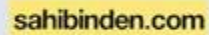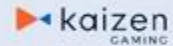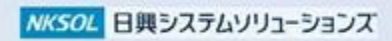
بنك الإمارات دبي الوطني
Emirates NBD

"Openshift Virtualization provided a well-known interface, reliable and consistent performance. Red Hat's strong innovation and engineering capability, excellent support and well-defined technology roadmap provided us with much needed certainty in a challenging environment."

Nick Grimm
Head of Cloud Compute, Emirates NBD

Real-world, large-scale virtualization migration

9,000+
virtual machines migrated

70%	140	37,000
app landscape running on RHEL	average VMs migrated per night	containers on OpenShift

Red Hat Enterprise Linux

Red Hat OpenShift

Red Hat OpenShift

Virtualization partner ecosystem

Hewlett Packard Enterprise · TIGERA · f5 · ISOVALENT now part of CISCO · ORACLE CLOUD Infrastructure · aws · opentext

portworx by Pure Storage · TRILIOVAULT · NetApp · DELL Technologies · Microsoft

STORWARE · Hitachi Vantara · rubrik · veeam · CISCO · Lenovo

Red Hat OpenShift Data Foundation · IBM · INFINIDAT · COHESITY · Google Cloud

Modernizing your virtualization infrastructure

Strategy

Foundation

Expansion

Evolution

Red Hat Services

Virtualization Migration Assessment

Virtualization Migration Proof of Value

Virtualization Migration Factory

Optional
App modernization and automation

Plan to quickly and safely migrate from legacy virtualization platform.

Prove virtualization migration technology. Prepare to operate at scale.

Achieve steady state migration. Reduce legacy footprint.

Accelerate innovation. Increase efficiency and reduce cost.

Training and Technical Account Management

Why do we Automate?

0%
reduction in lead times*

0%
reduction in application performance errors**

0%
reduction in error response times*

0%
improvement in server patching time*

Ansible Automation Platform

HashiCorp Terraform and Ansible integration

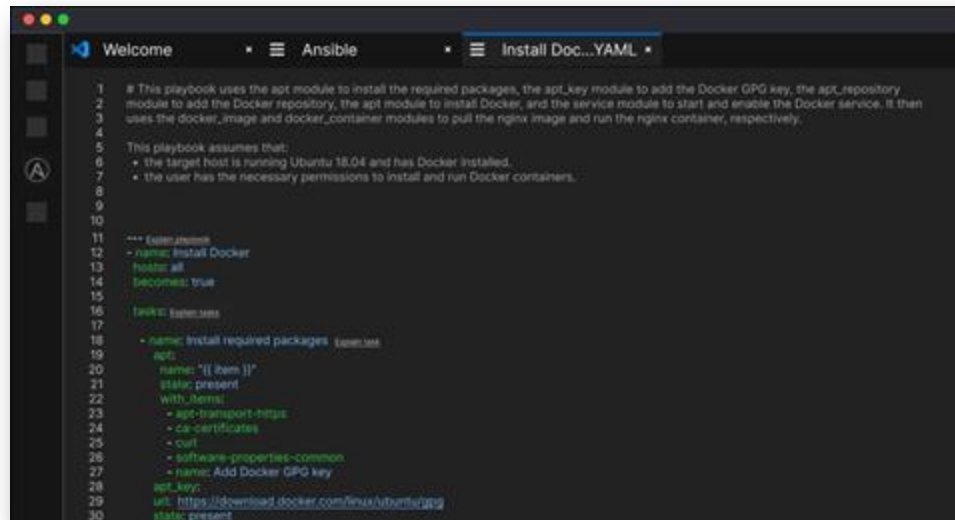Ansible Lightspeed intelligent assistant

*MAPFRE **Dai-ichi Life

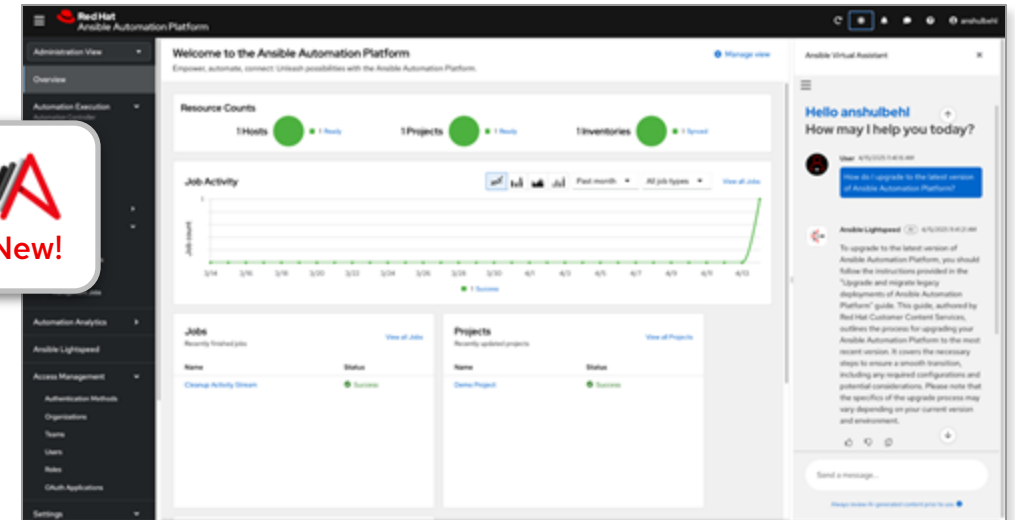# Increase efficiency with Ansible Lightspeed
Integrated tools to harness generative AI for IT operations

Coding assistant
for automation content creation

Intelligent assistant
For automation platform administration and management

New!

Installed & used in VSCode

Powered by Red Hat Ansible Lightspeed

Embedded directly into AAP UI

Event–Driven Ansible: Intelligence into action

EVENT

> Watch data / streaming data

> Identify event

> With or without notification and ticketing integration

OBSERVE

EVALUATE

RESPOND

DECISION

> Routed for remediation

> Identify known problem

> Trigger required workflow

> Create rulebooks in real–time with AI

AUTOMATION

> No human action required

> Automated resolution triggered

> Remediation action completed

> Shorter MTTR

Event-Driven Ansible: AIOps

Red Hat OpenShift AI

internal / external AI

3

Inference error meaning with AI

2

Ansible EDA picks up event

Log aggregation/Message Q

Red Hat Enterprise Linux

4

servicenow

Sync information with ITSM

1

Error/Event takes place

6

Remediate Issue

5

Request Ansible Playbook

Ansible Lightspeed

Harnessing AI, Not Unleashing Chaos

Policy enforcement for AI

AI makes inference and initiates automation (perhaps even generating automation content)

Automation launch → **Policy collection** → **Policy evaluation** →

Pass: Automation execution

or

Fail: Update for compliance
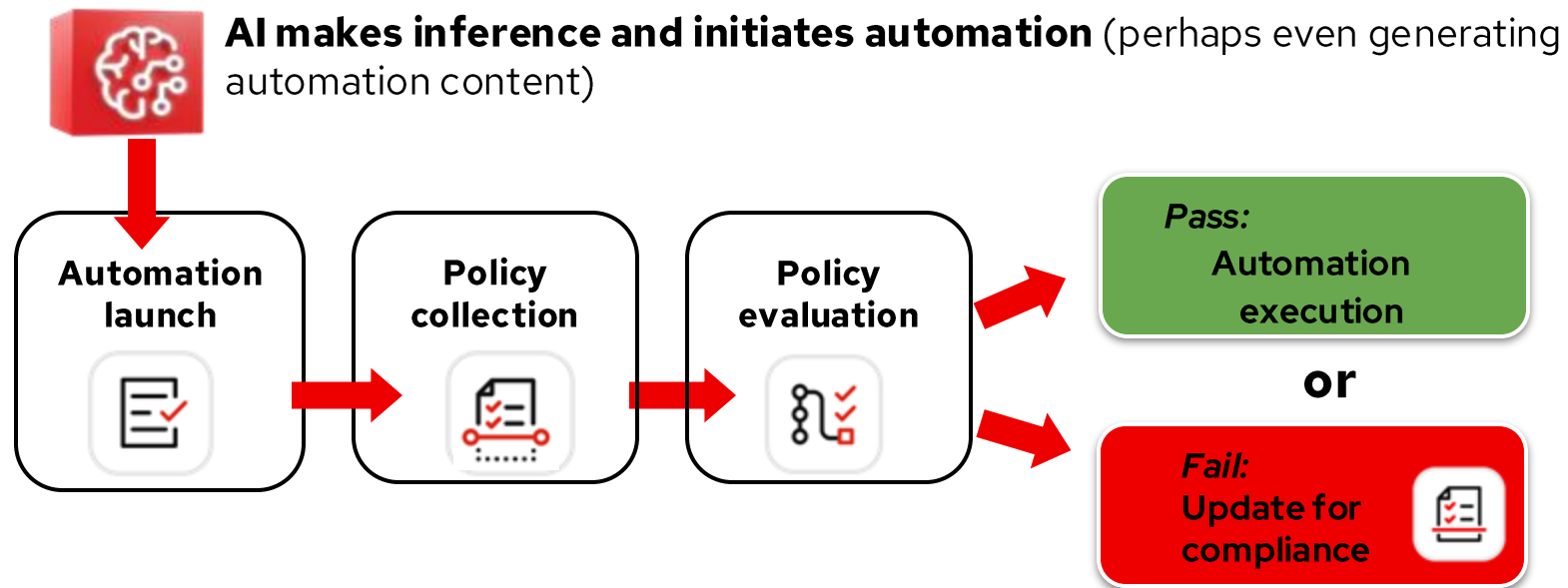
Modernizing IT operations

Standardize automation operations

Ansible Automation Platform

Event-driven automation & AIOps

Event-Driven Ansible + Ansible Lightspeed

Policy enforcement of all automation

Ansible Policy as Code

Red Hat's Mission

Red Hat's Hybrid Application Platform

Red Hat AI

AI Capabilities
Model Development | Serving
Lifecycle | Agentic | RAG | Fine Tuning

Red Hat Application Foundations

Middleware
Application Servers | Integration | Messaging

Red Hat Advanced Developer Suite

Advanced Development Capabilities
Internal Development Portal | Secure Software Delivery | Developer Tools
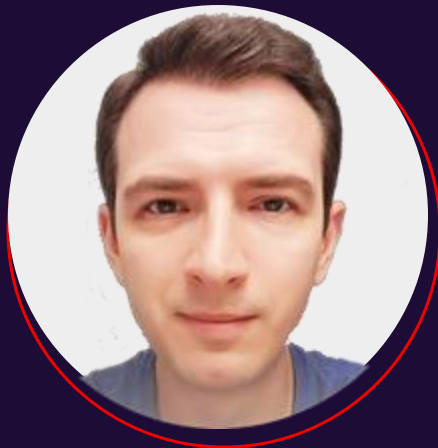
Red Hat OpenShift Platform Plus

Advanced Management & Security
Multicluster Management | Cluster Security Global Registry | Cluster Data Management

Red Hat OpenShift Container Platform

Foundational Application Platform Capabilities
Service Mesh | Serverless | Builds | Pipelines | GitOps |Tracing | Log Management | Cost Management

Red Hat OpenShift Kubernetes Engine

Kubernetes
Run Containers and Virtual Machines | Run Virtual Machines Only

Red Hat OpenShift Virtualization Engine

Red Hat Enterprise Linux

Linux
host operating system

Red Hat OpenShift
Cloud Services

aws
Red Hat OpenShift Service on AWS

Azure
Azure Red Hat OpenShift

Google Cloud
OpenShift Dedicated

IBM
Red Hat OpenShift on IBM Cloud

Physical   Virtual   Private cloud   Public cloud   Edge
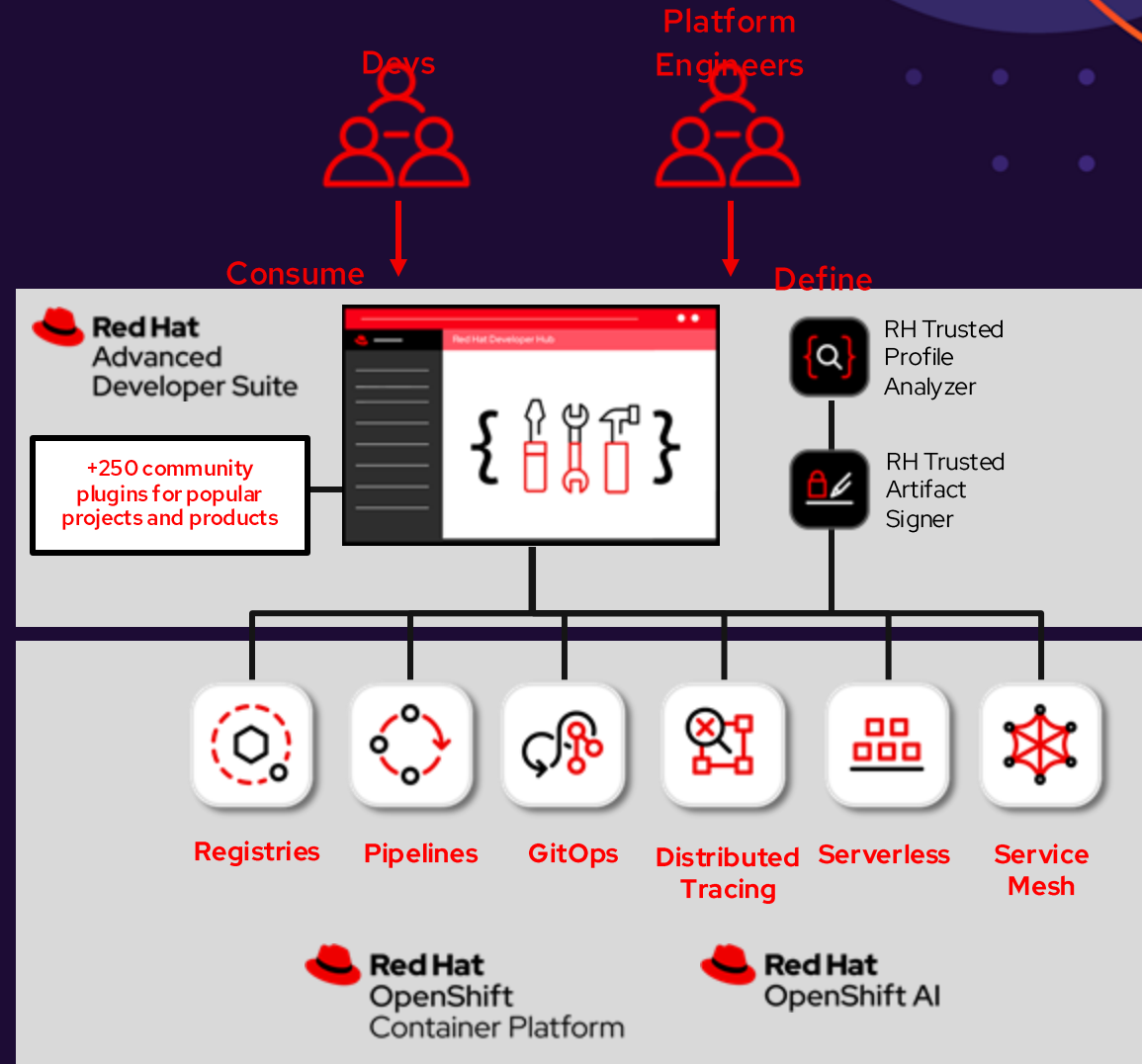
From Dev to Prod

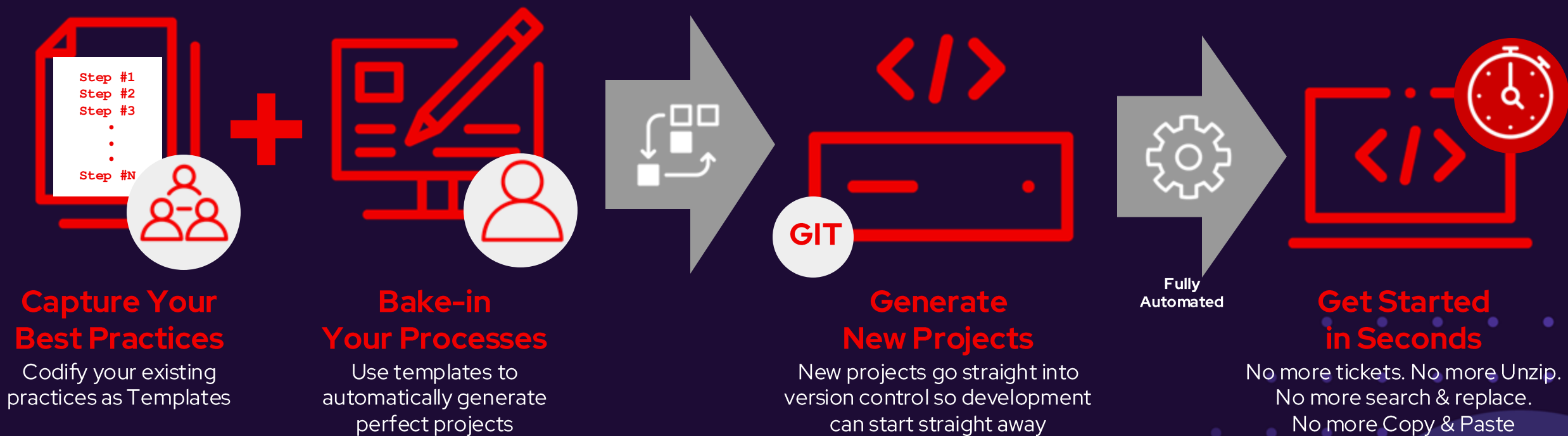**dev** → **prod**

Increasing Developer Efficiency

Faster Onboarding & Setup: Instant onboarding with preconfigured, trusted environments, integrated services, and curated tools—all powered by cloud-based workspaces.

Streamlined Development Workflow: Automated software templates, self-services capabilities and a central source-of-truth reduce friction.

Integrated Collaboration & Flexibility: Development teams can work on local laptops while the source code stays secure, leveraging integrated tools.

Devs

Platform Engineers

Consume

Define

Red Hat
Advanced Developer Suite

Red Hat Developer Hub

+250 community plugins for popular projects and products

RH Trusted Profile Analyzer

RH Trusted Artifact Signer

Registries   **Pipelines**   **GitOps**   **Distributed Tracing**   **Serverless**   **Service Mesh**

Red Hat
OpenShift Container Platform

Red Hat
OpenShift AI

Self-Service with Software Templates

Capture Your Best Practices
Codify your existing practices as Templates

Bake-in Your Processes
Use templates to automatically generate perfect projects

GIT

Generate New Projects
New projects go straight into version control so development can start straight away

Fully Automated

Get Started in Seconds
No more tickets. No more Unzip. No more search & replace. No more Copy & Paste

Step #1
Step #2
Step #3
.
.
.
Step #N

Secure Software Supply Chain

From Code Commit to Runtime Enforcement – **S**hift **S**ecurity **L**eft
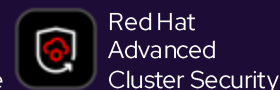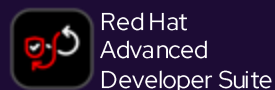
CODE
Identify dependencies and recommend trusted content before coding

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

RELEASE
Vulnerability Scanning
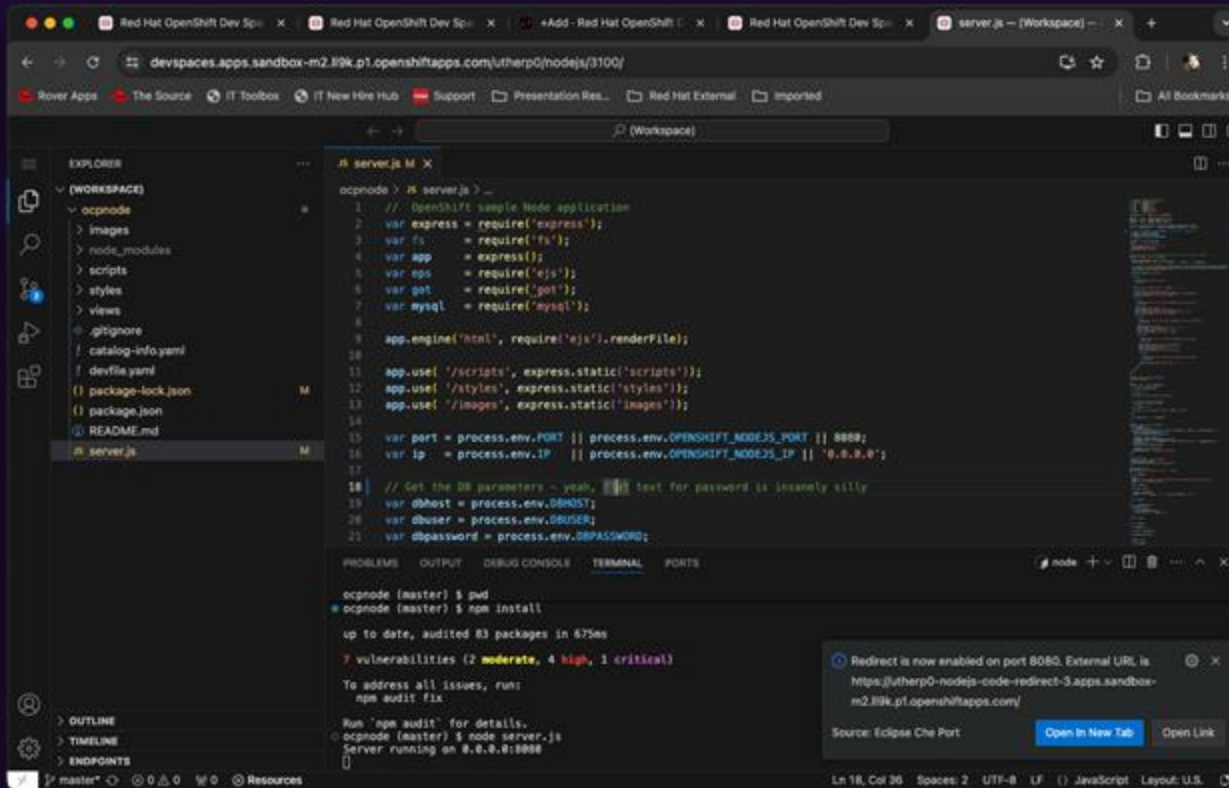
Policy Enforcement

Artifact Signing

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

MONITOR
Detect and respond to runtime threats with prioritized risk assessments

Red Hat Trusted Profile Analyzer

Red Hat Trusted Artifact Signer

Red Hat Advanced Developer Suite

Red Hat Advanced Cluster Security

Red Hat OpenShift DevSpaces
In-Browser IDE & Dev Workspace As-Code

Dev Spaces provides an integrated browser-based IDE (based on, through choice, VSCode or Intellij)
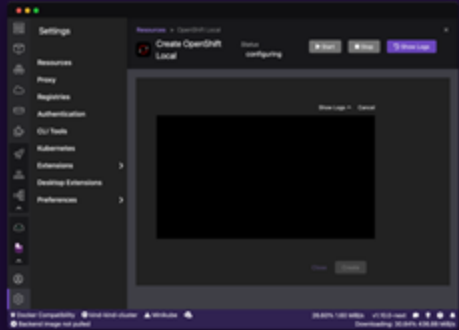
This IDE allows the dev to code, test, interact with the code repository (i.e. Github) and interact directly with the framework container
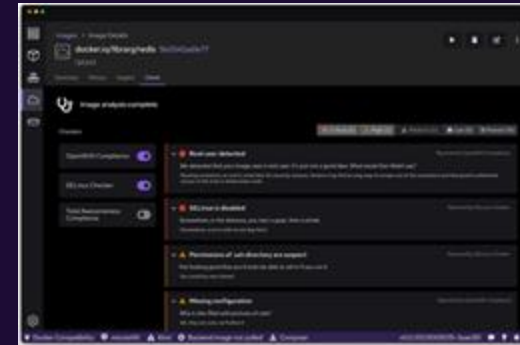
Podman Desktop by Red Hat

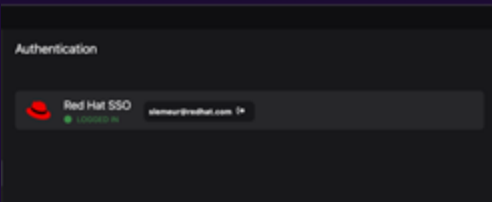## Red Hat Technologies, available locally, at your fingertips!

OpenShift Local

Spin up and manage local OpenShift cluster from Podman Desktop.

Red Hat SSO

Authenticate to Red Hat and access to latest Red Hat content.

Podman AI Lab

Empowers developers to easily build, run, and experiment with AI workloads in containers—without the complexity.

OpenShift Image Checker

Check and validate the readiness of your image for against OpenShift best practices.

Bootc Containers
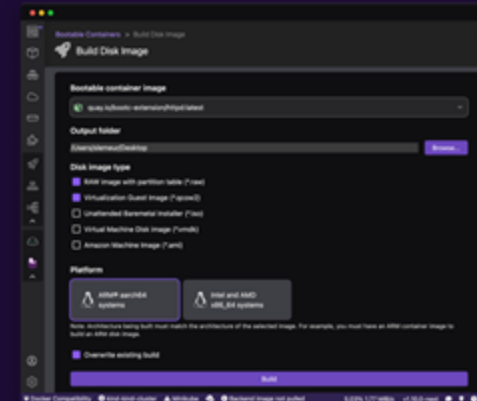
Create bootable container images for bare metal to AWS and everywhere in between

AI is a strategic enabler across industries

Predictive AI runs businesses today; generative AI brings innovation to the enterprise

Revenue generation

- Chatbots
- Campaign and content marketing
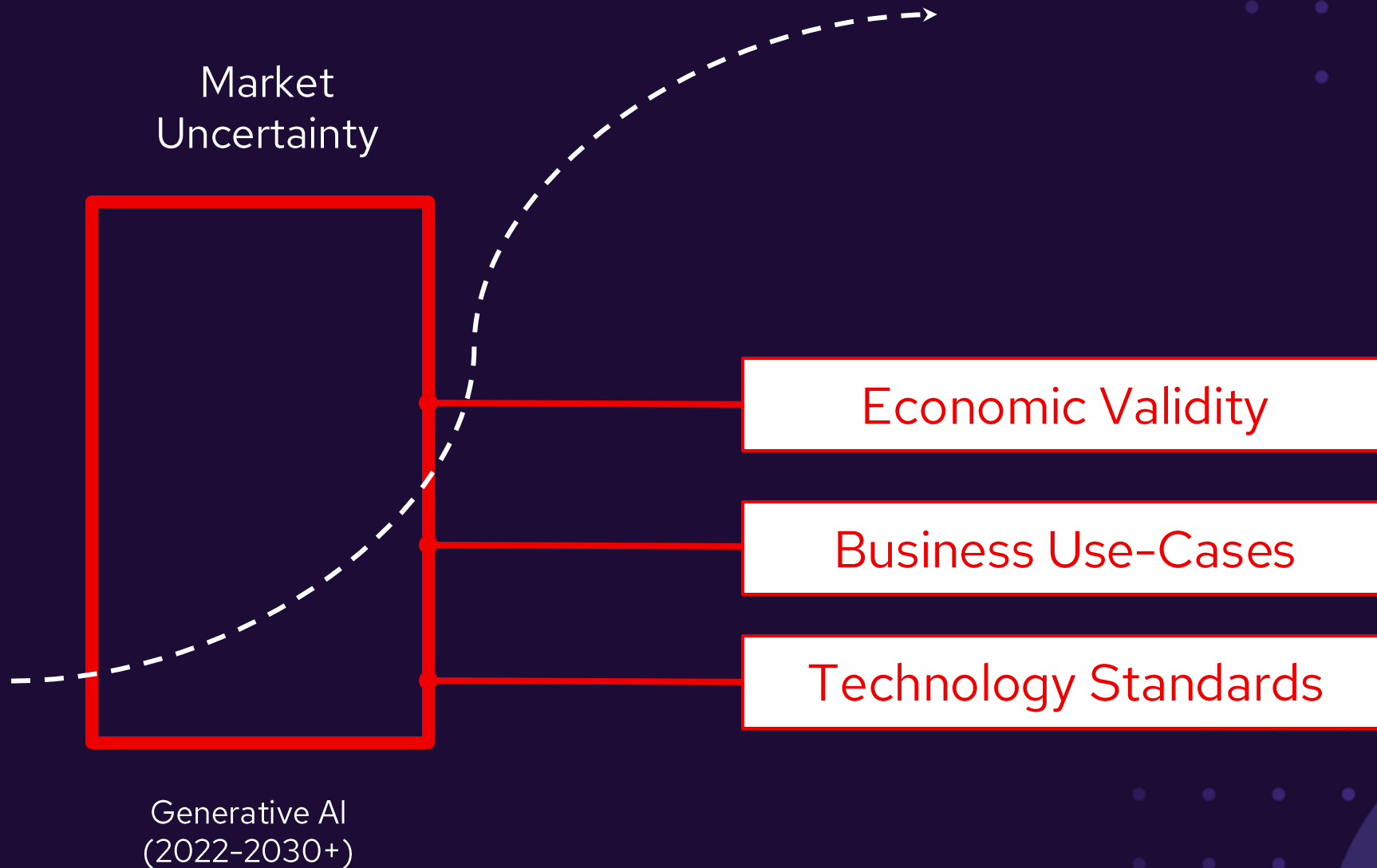- Developer assistants
- Guided selling
- Product innovation

Cost optimization

- Automated AI support
- Knowledgebase search & summarization
- Doc summarization
- AI-optimized logistics
- Augmented product R&D

Risk management

- Sentiment analysis
- Predict employee attrition
- Contract risk assessment
- Fraud detection
- AI-assisted security operations

The uncertainty of the AI transition

Market
Uncertainty

Economic Validity

Business Use-Cases

Technology Standards

Generative AI
(2022-2030+)

Red Hat AI

Accelerate the development and delivery of AI solutions across hybrid-cloud environments

Increase efficiency with **fast, flexible and efficient inferencing**

Simplified and consistent experience for **connecting models to data**

Flexibility and consistency when **scaling AI across the hybrid cloud**

Accelerate Agentic AI delivery and stay at the forefront of innovation
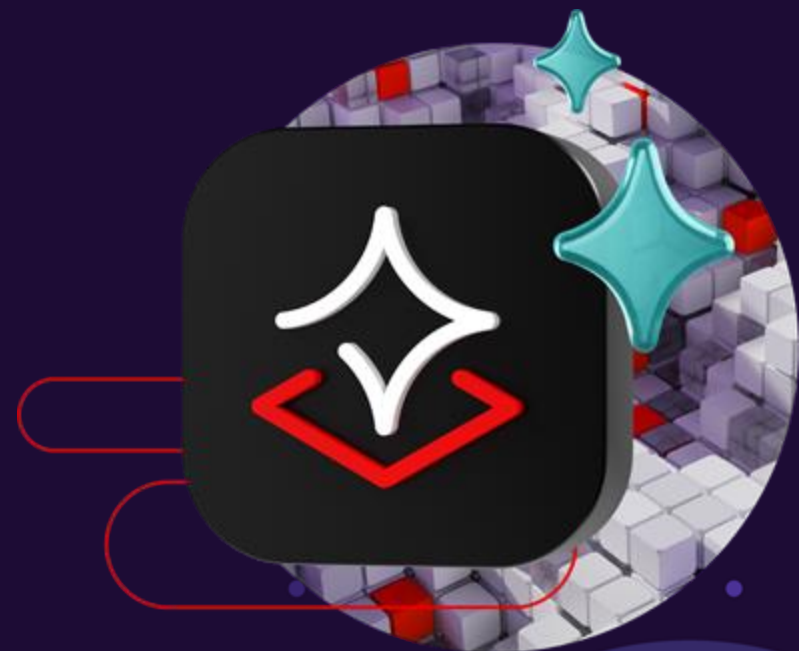
Red Hat AI helps address the trade-off challenges of inference

Gain consistent, fast and cost-effective inference at scale with vLLM

Select an optimal LLM

Red Hat AI third party validated and compressed models ready-to-use

An efficient inference runtime

vLLM

Broad support for hardware

AMD◢ | ●NVIDIA. | IBM.

Google | intel. | aws

Customize your preferred model using enterprise data to build an efficient, cost-effective solution.

Red Hat AI provides:

✓ Validated and optimized models ready-to-use

✓ Data ingestion capabilities

✓ Synthetic data generation pipelines

✓ Multiple alignment techniques (RAG, LAB, RAFT, Fine Tuning)

Preferred LLM + Custom Enterprise Data + Alignment approaches = Custom Language Model

Red Hat AI provides an agile, stable foundation to accelerate the development and deployment of AI agentic workflows.

▸ Offers built-in agent frameworks with Llama Stack, and standardized communication protocols (MCP).

▸ Provides the flexibility to integrate preferred tools like LangChain and Crew AI.

▸ Allows running and managing agents as microservices.

▸ Simplifies production deployment by managing LLM serving and scaling.

	~ 2024 No Agentic AI	Phase 1: ~ 2024 - 2025 Agentic Assistants	Phase 2: ~ 2025 - 2026 Agentic Intranet	Phase 3: ~ 2027 - Internet of Agents
Problem solved	Q&A Assistant	Improve Accuracy	Simplify System Integration	Ad-hoc custom App creation
For Whom?	End-User	End-User	System/Software Integrator	End-User/ Enterprise
Key Tech	LLM	Flexible Workflows	Distribution Protocols	Trust and Cognition
Trust	n/a	Local	Enterprise	None

Source: https://lfnetworking.org/the-evolution-of-agentic-ai/

Scaling AI across open hybrid cloud

Accelerate the development and delivery of AI solutions across hybrid cloud environments

Open hybrid cloud

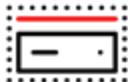# Red Hat AI - Enabling AI Success

Removing
Uncertainty

Any AI model

Any AI accelerator

Any cloud

Generative AI
(2022-2030+)
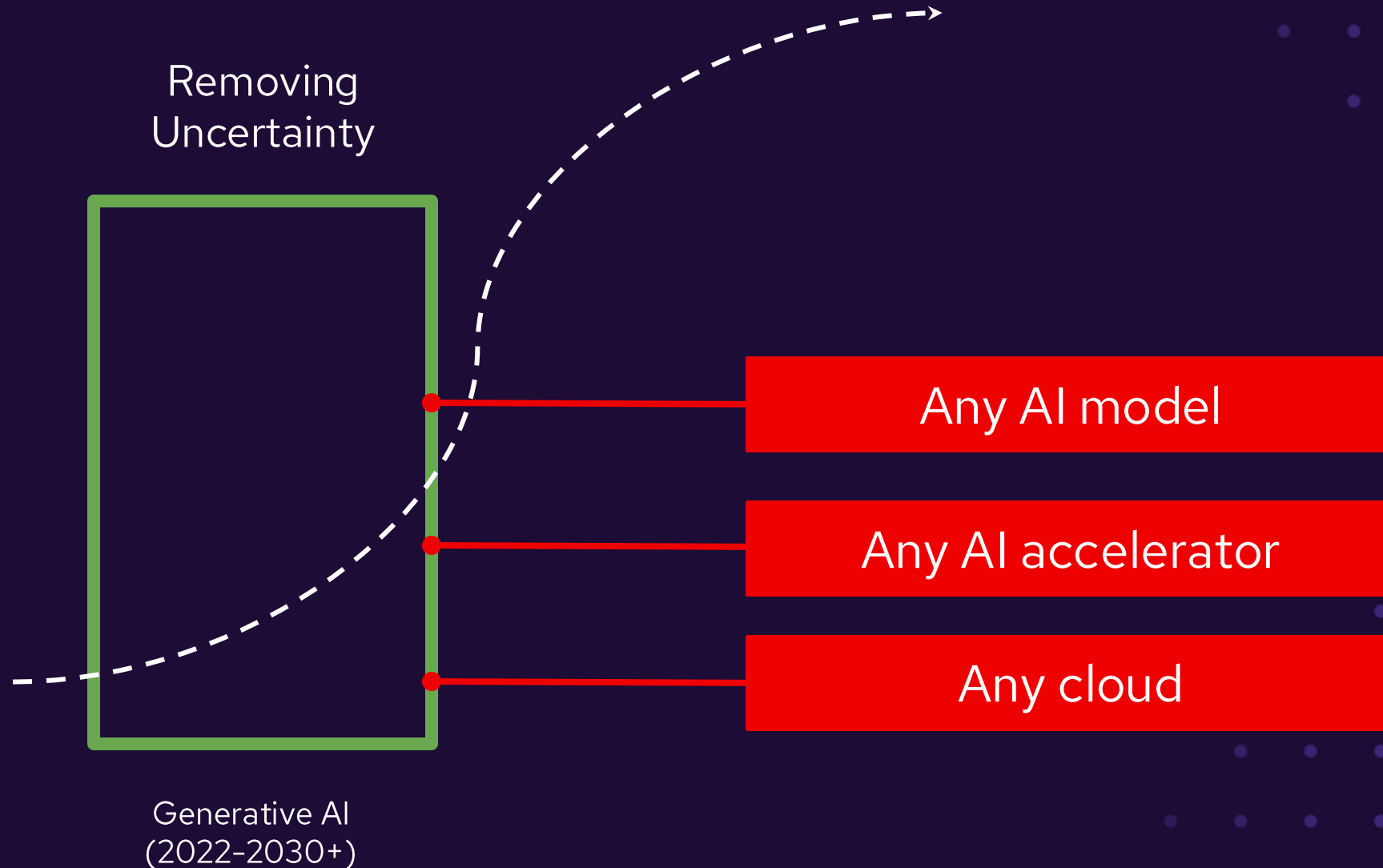
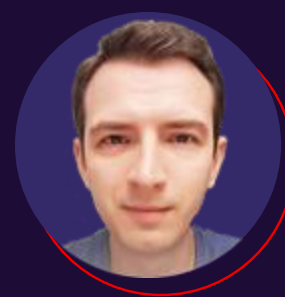# Our commitment is to empower your success!

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