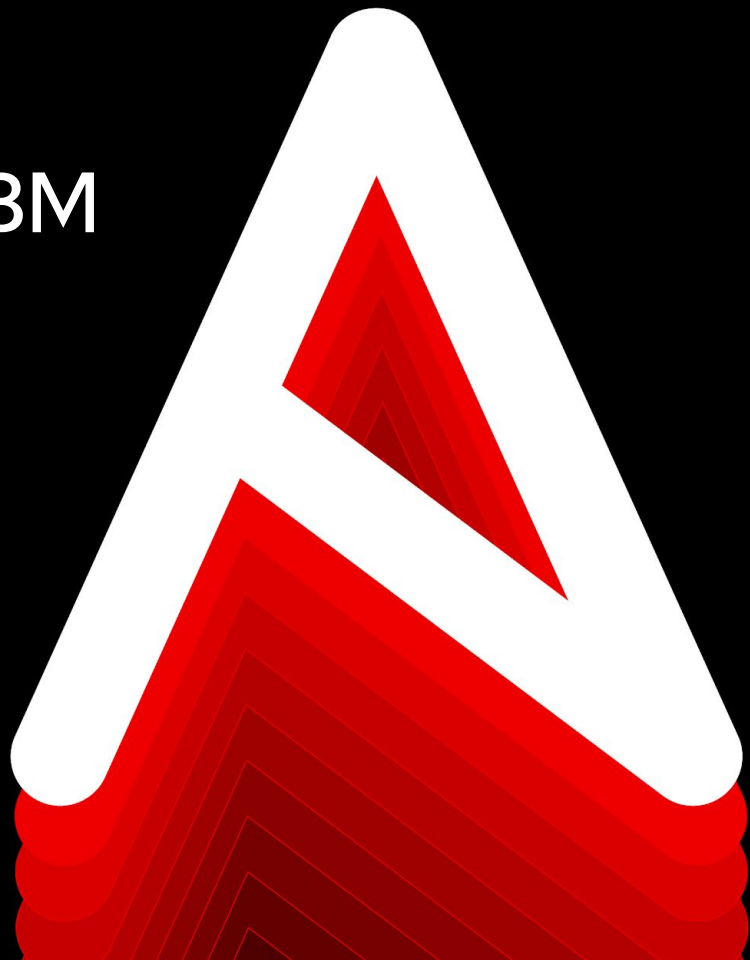


Ansible Lightspeed with IBM watsonx Code Assistant

Dublin Automation Everywhere Day

Craig Brandt
Principal Technical Marketing
Manager
Ansible

Ahmed Gaber
Senior Solutions Architect

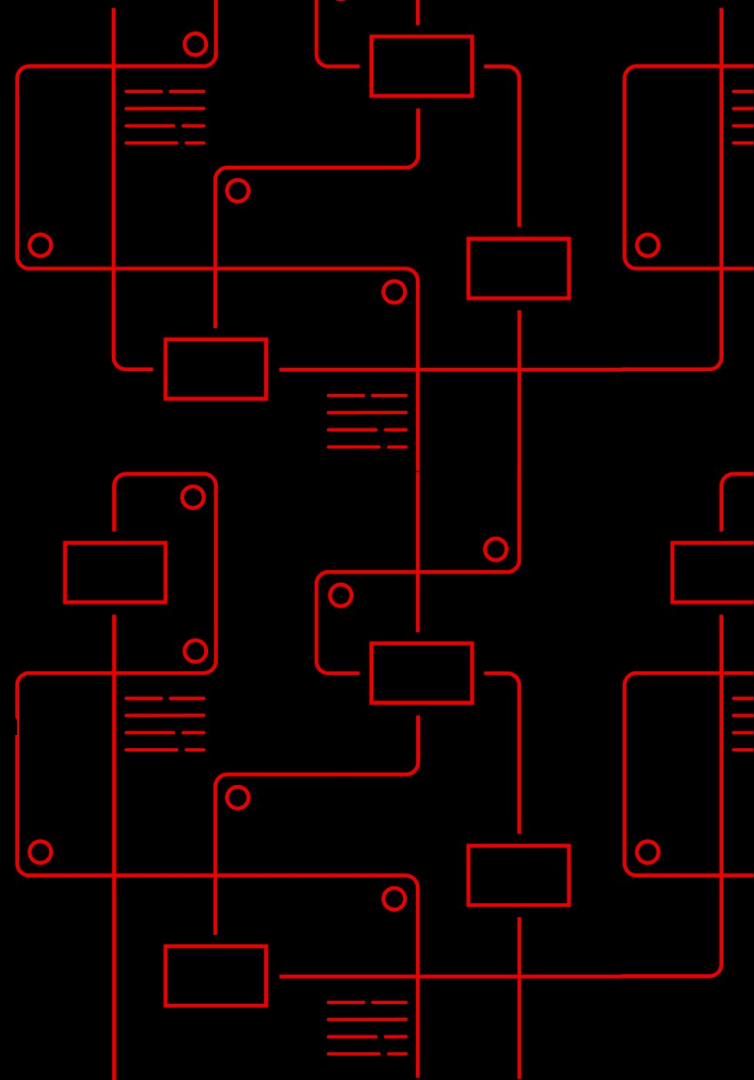




What we'll cover today...

- ▶ The AI landscape and our approach
- ▶ What is Ansible Lightspeed?
- ▶ Ansible Lightspeed in action
- ▶ What's next for Ansible Lightspeed?
- ▶ How can I get started?

The AI landscape and our approach



Red Hat wants to accelerate automation, from creation through execution

Why? Because our customers are under increasing pressure to be more efficient, and turn to Ansible automation to help.

The key **to getting the most out of automation, is to drive it from an enterprise level.** That involves multiple teams working together to create automation code.

Code that scales across domains.
Code that meets the varied needs of the teams using it.
Code that is trusted and compliant.

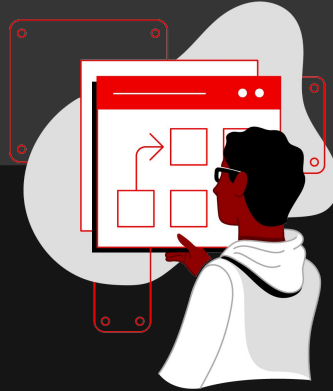


The AI revolution has come to automation

Less time spent coding

More focus on automations outcomes

Better code



Accessible with natural language

Expand into new automation domains

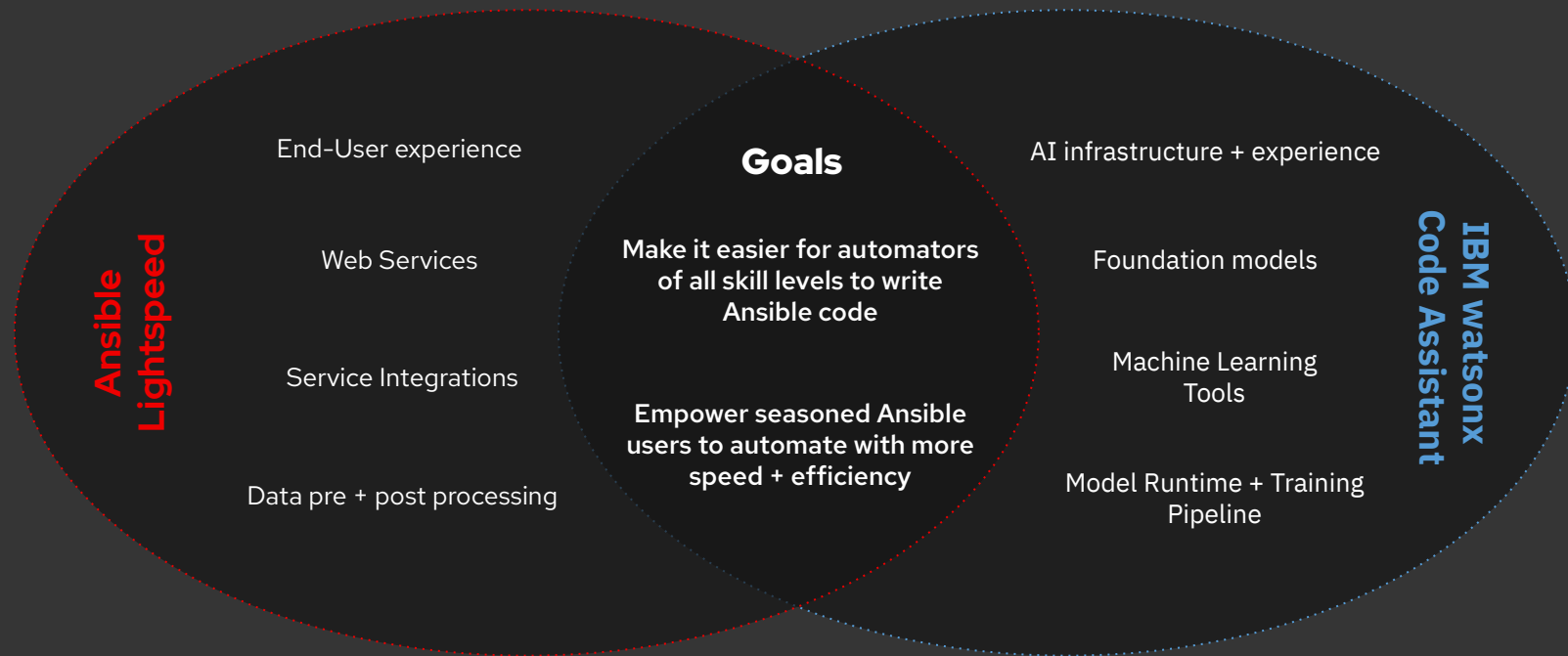
Bridge skills gaps

Integrating generative AI into automation can greatly enhance the automation creation experience, helping creators produce better automation content, more quickly.

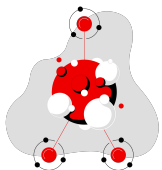
The end result? Improved overall efficiency of an organization's automation efforts, **improving ROI and time to value.**



Built in collaboration



Our approach to generative AI



Transparency, collaboration, and choice

- ▶ **Content source matching** and transparency will always be a key priority.
- ▶ **Contributors will have a choice** as to whether or not their work is used to fine-tune the model.



A singular focus on automation

- ▶ **Purpose-built** to accelerate your Ansible adoption.
- ▶ **Uniquely positioned** to offer an **enterprise-grade** AI solution for Ansible.
- ▶ **Laser-focussed** on delivering **high-quality, contextual suggestions**.



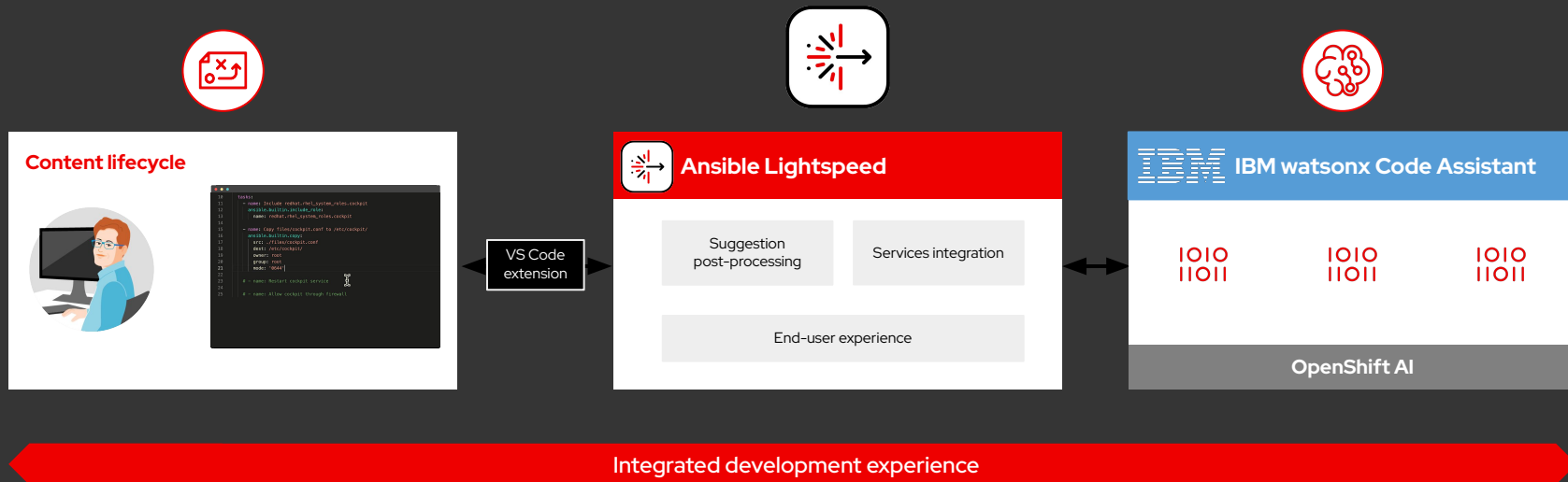
Meeting creators where they work

- ▶ **Natively integrated** into Ansible Visual Studio Code extension.
- ▶ **Augments and enhances** developer experience. Non-disruptive.
- ▶ **Works collectively with Ansible Content tools**, such as Ansible Lint



Ansible Lightspeed. Generative AI the Ansible way.

Technical Preview *



Capability in Tech Preview: **Task Generation**



- ▶ Generate **tasks** for a playbook or role from natural language task description
- ▶ Ansible Lightspeed **suggests Ansible Tasks** within Ansible Playbook and Ansible Task files

Key feature: **Content source matching**



- ▶ Ansible Lightspeed will always **attempt to clearly reference the potential sources used in the training data** for maximum transparency and trust.
- ▶ Each suggestion will include **potential source, its author and license.**

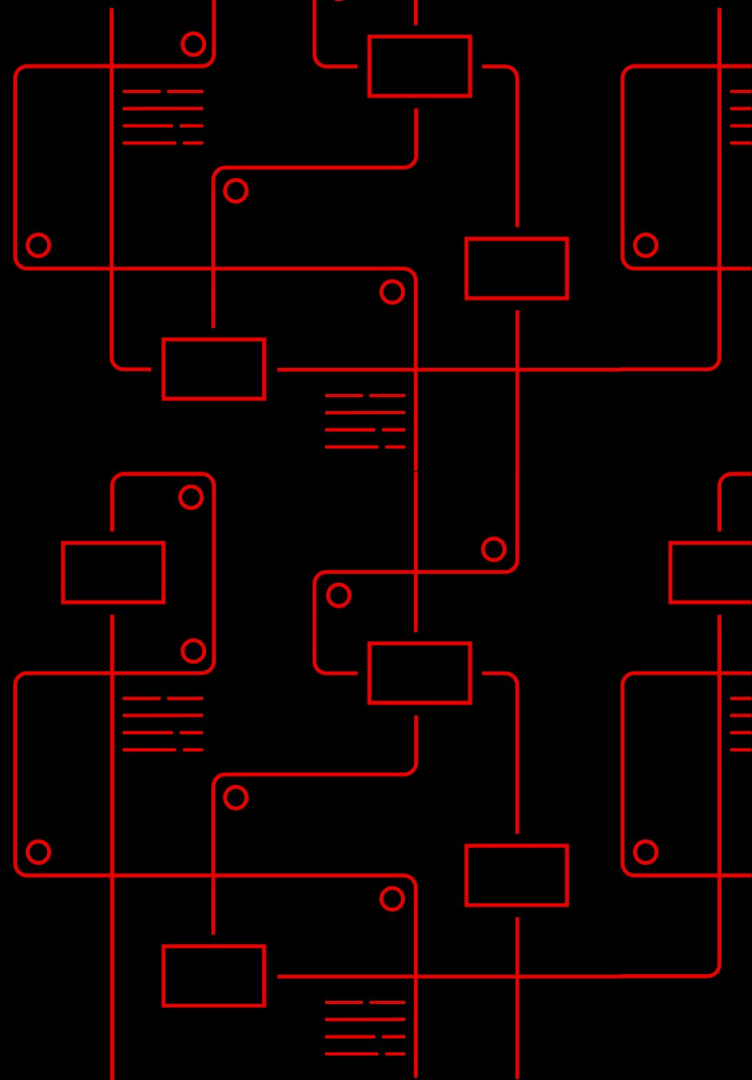
Key feature: **Post-processing**



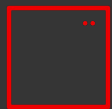
- ▶ Ansible Lightspeed's **post-processing** capability augments model suggestions with Ansible best practices, subject matter expertise, and more.
- ▶ This processing and **strong contextual awareness** stems from our unique insight into the Ansible code base, and proven experience helping customers automate at scale.



Ansible Lightspeed in action



The capabilities you need **across your IT footprint.**



Applications



Network



Cloud



Security



Infrastructure



Edge

- DevOps
- CI/CD
- GitOps

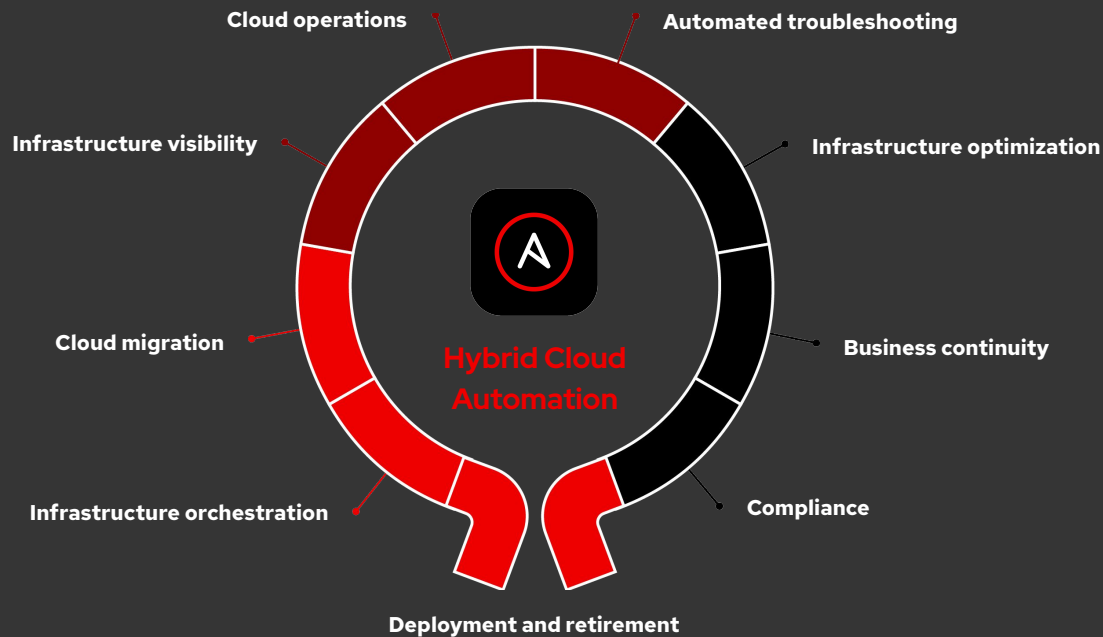
- Configuration management
- Infrastructure awareness
- Network validation

- Orchestration
- Operationalisation
- Governance

- Investigation enrichment
- Threat hunting
- Incident response

- Deployment
- Provisioning
- Management

- Extend security
- Scalability
- Interoperability



Public cloud



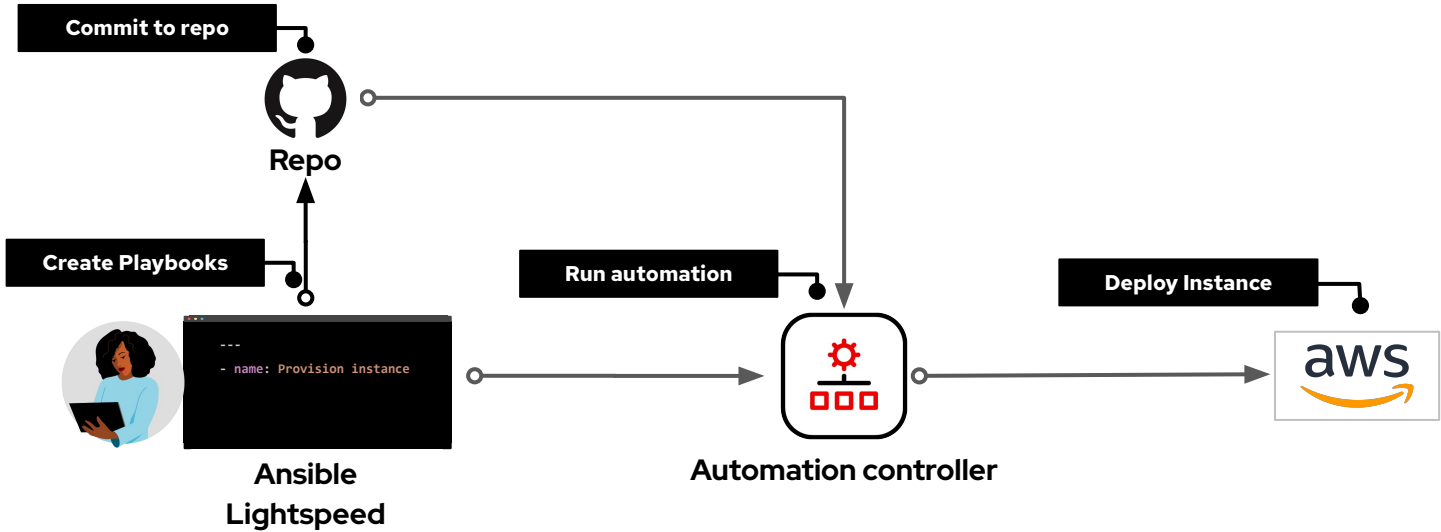
Cloud native



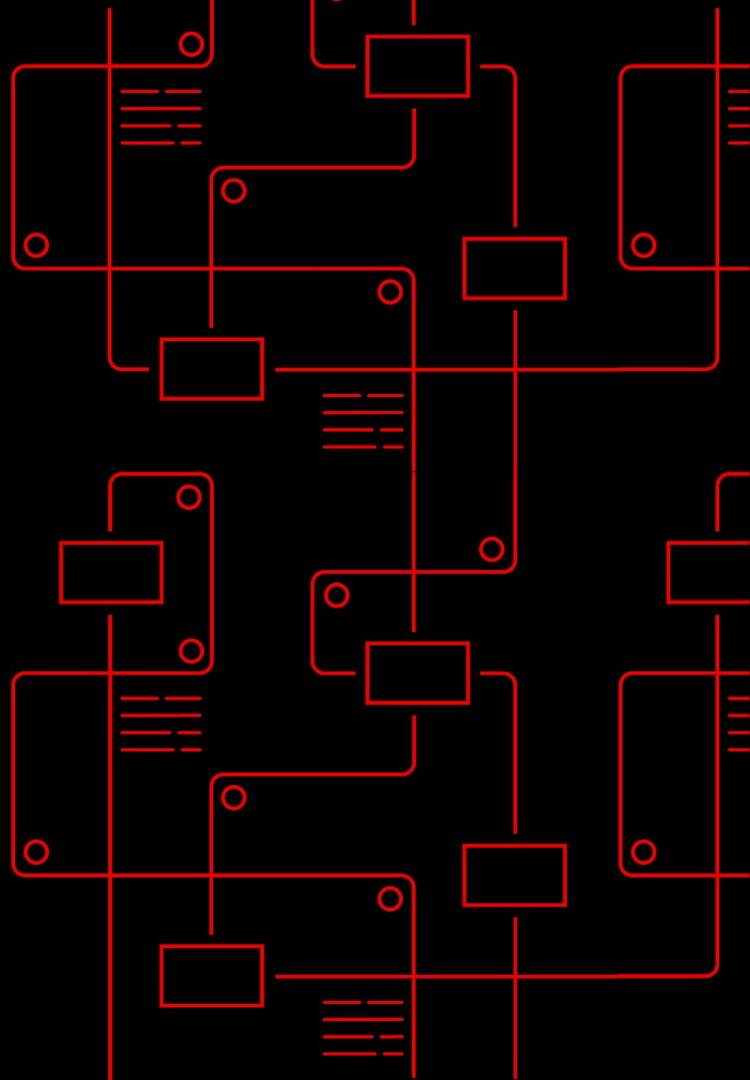
Private cloud



Demo overview



What's next for Ansible Lightspeed?



Ansible Lightspeed will transform the Playbook creation process

> Generate
playbook content
from a natural
language request

**Content
Generation**

> Find me a
playbook or role
similar to what
I'm writing

**Content
Discovery**

> Review my
playbook and
help make it
better

**Content
Optimization**

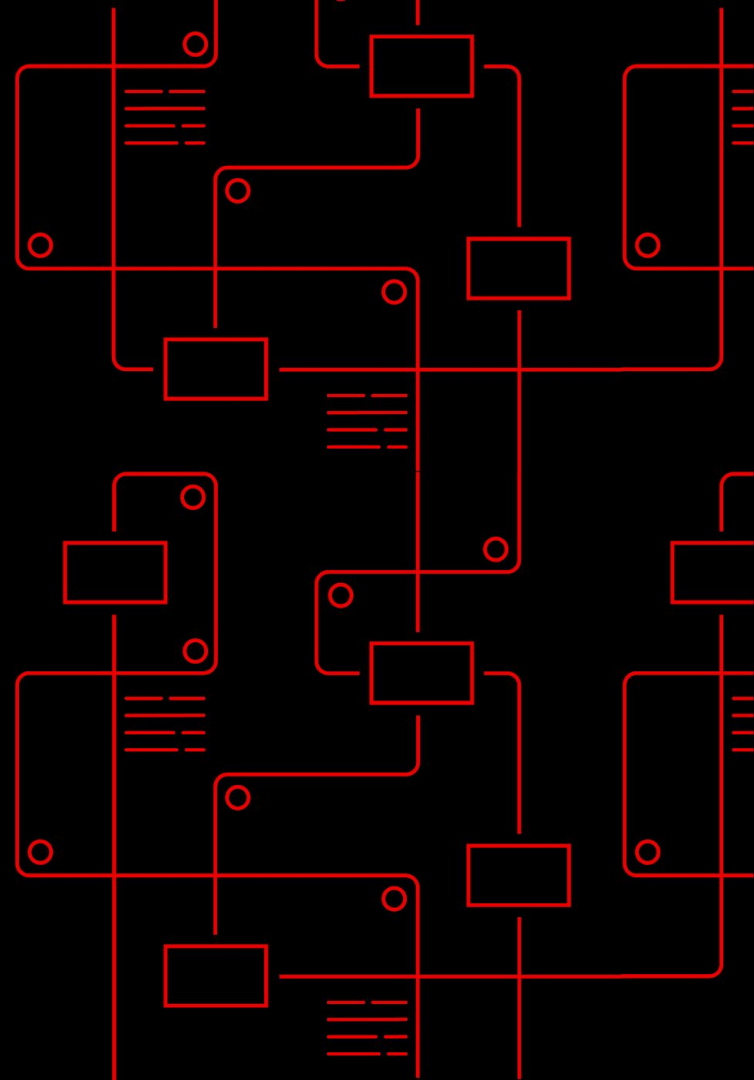
> Tell me what
this playbook is
doing - and it's
impact

**Content
Explanation**

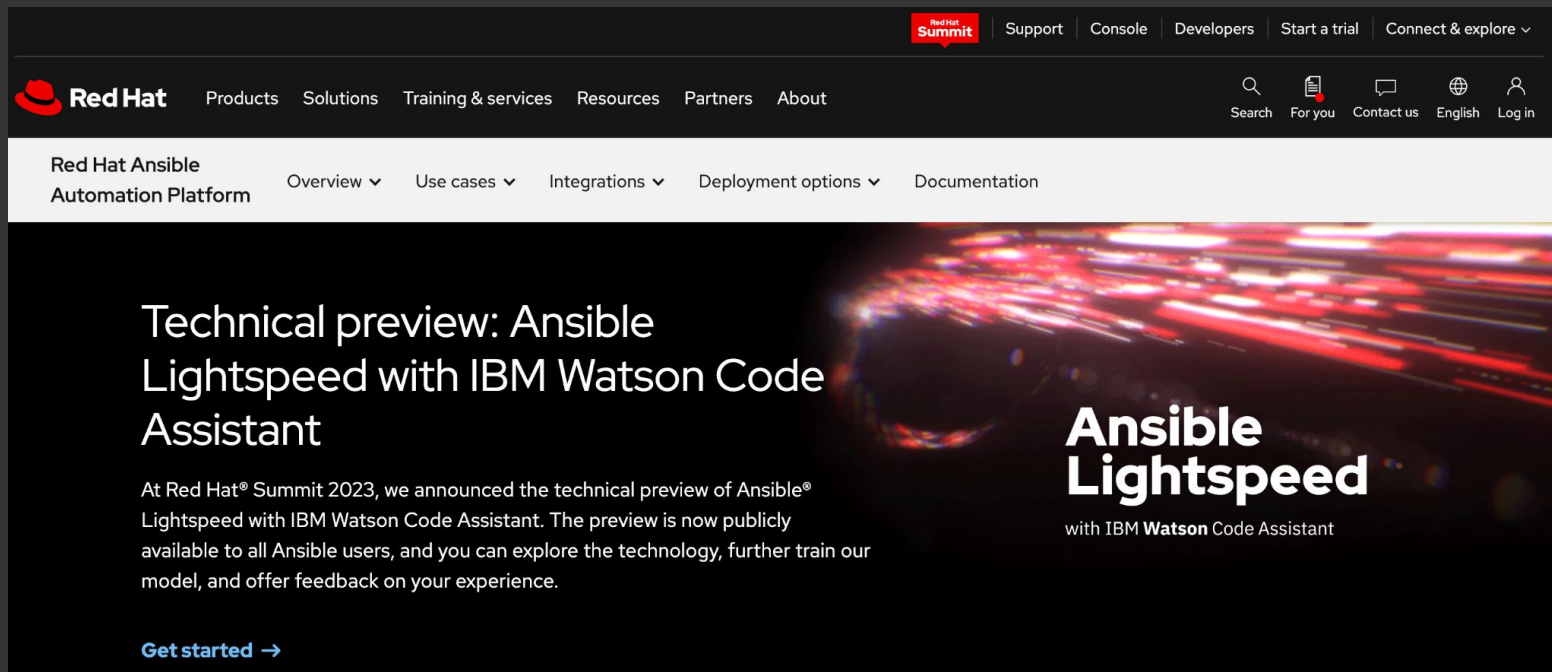
Features on roadmap for upcoming commercial offering



How do I get started?



Ansible Lightspeed with IBM Watson Code Assistant Tech preview



The screenshot shows the Red Hat website header with navigation links: Support, Console, Developers, Start a trial, and Connect & explore. Below the header is the Red Hat logo and a navigation bar with links: Products, Solutions, Training & services, Resources, Partners, and About. A search bar and links for 'For you', 'Contact us', 'English', and 'Log in' are also present. The main content area features the 'Red Hat Ansible Automation Platform' header and a navigation menu with links: Overview, Use cases, Integrations, Deployment options, and Documentation. The main headline reads 'Technical preview: Ansible Lightspeed with IBM Watson Code Assistant'. Below this, a paragraph states: 'At Red Hat® Summit 2023, we announced the technical preview of Ansible® Lightspeed with IBM Watson Code Assistant. The preview is now publicly available to all Ansible users, and you can explore the technology, further train our model, and offer feedback on your experience.' To the right, the text 'Ansible Lightspeed with IBM Watson Code Assistant' is displayed. At the bottom left, a 'Get started →' link is provided.

Red Hat Ansible Automation Platform

Overview ▾ Use cases ▾ Integrations ▾ Deployment options ▾ Documentation

Technical preview: Ansible Lightspeed with IBM Watson Code Assistant

At Red Hat® Summit 2023, we announced the technical preview of Ansible® Lightspeed with IBM Watson Code Assistant. The preview is now publicly available to all Ansible users, and you can explore the technology, further train our model, and offer feedback on your experience.

[Get started →](#)

Ansible Lightspeed

with IBM Watson Code Assistant

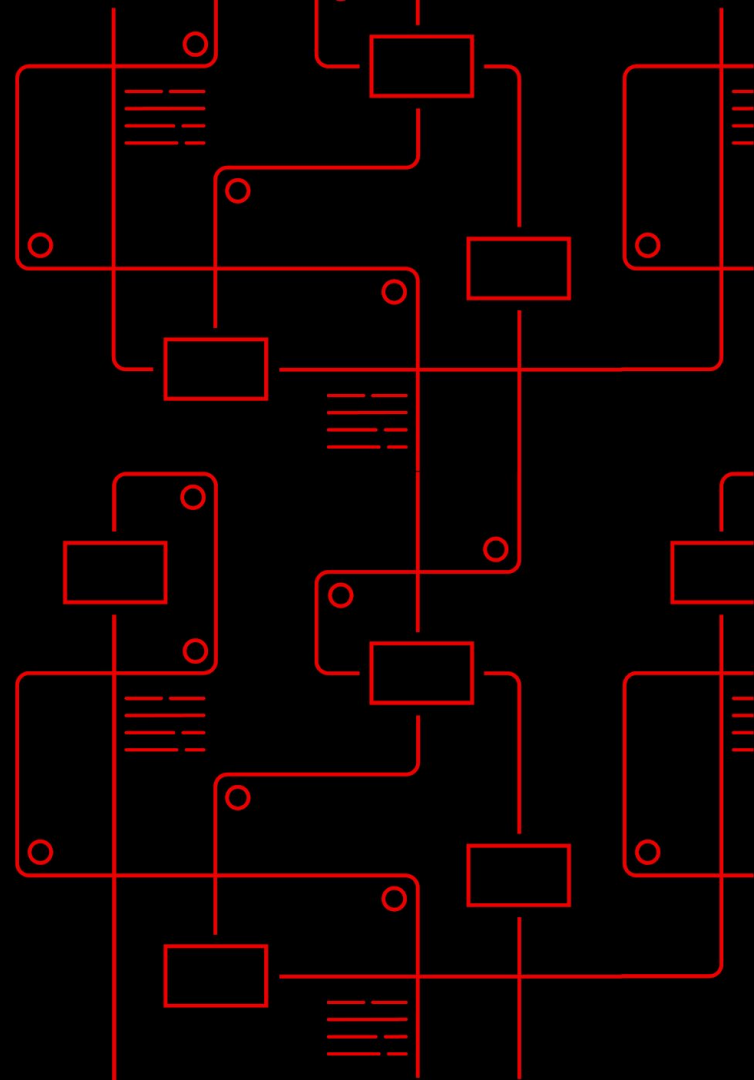
Visit www.redhat.com/ansible-lightspeed
Ansible Lightspeed Matrix Room
<https://matrix.to/#/#lightspeed:ansible.com>



Q & A



Summit Connect Dublin



Thank you

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