

AnsibleFest 2022

Updates and Announcements

[CLICK HERE FOR OFFICIAL PRESS RELEASES](#)

[CLICK HERE TO ACCESS CONTENT HUB](#)
(recordings, keynotes, etc)

Major announcements

AAP in the Cloud

AAP via the AWS Marketplace

Launching a new Ansible deployment offering on the AWS Marketplace. This is a self-managed offering available through the AWS Marketplace in NA & EMEA, and globally around November 3, 2022..

[Press release](#)
[Brief](#)
[Infographic](#)

AAP on Azure Public Marketplace

Managed Red Hat Ansible Automation Platform on Microsoft Azure will be available directly to the public through the Azure Marketplace in North America and Europe, with global availability coming soon. With this offering, partners will now be able to transact.

[Product Page](#)

Event-Driven Ansible

Developer preview of Event-Driven Ansible: Highly scalable, flexible Event-Driven Automation to deliver automation that can process events for discrete, actionable intelligence, execute automated actions to respond to events and provide observation and auditability across your automation landscape. (GA in 2023; AAP 2.4 + 2.5)

Project Wisdom

Applied artificial intelligence. We trained a Large Language Model (LLM) and we use it to generate Ansible playbooks and roles from requests in plain English.

Customers at a Glance

Keynote mentions:

- Discover
- BCBS NC
- Xcel Energy

Keynote speaker:

- Rockwell

Media Interviews:

- Wells Fargo
- Rockwell

FSI Q&A

- Wells Fargo

Public Sector Panel:

- TVA
- DSA
- Northrop Grumman
- Lockheed Martin
- Collins Aerospace
- Harvard University

Press Releases in progress:

- TransUnion
- Ulta Beauty
- Crédit Agricole Group

Innovators on the Line

- Ulta Beauty



AF 2022 | Project Wisdom

Strategic Partnership

Project Wisdom

IBM Research



We train and fine-tune the large language models used by Project Wisdom on the IBM Research Cognitive Computing Cluster (CCC).

Some of the top experts in AI and languages at the Thomas J Watson Research Center in NY are dedicated to this project.

Artificial Intelligence applied to Automation

Project Wisdom

What is it?

Applied artificial intelligence. We trained a Large Language Model (LLM) and we use it to generate Ansible playbooks and roles from requests in plain English.

Who is it for?

Both automation novices and Ansible experts.
Supports all existing use cases. Will enable new ones (e.g., assist cloud migrations).

How will they use it?

They'll type what they want to do in Visual Studio Code and our existing Ansible extension will generate a syntactically correct and functional piece of code.

Why are we making it?

To smooth the Ansible learning curve (eradicate friction), to accelerate "zero to automation" (increase productivity), and to expand the user base to less technical people (broader business opportunity).

Who's helping us?

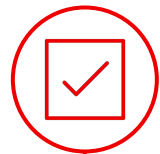
Top IBM Research machine learning engineers are working on this, including the former CTO of Watson. Our collaboration formally started one year ago.



AF 2022 | Ansible on Azure

Red Hat Ansible Automation Platform on Microsoft Azure

The power of Red Hat Ansible Automation Platform in your Azure cloud



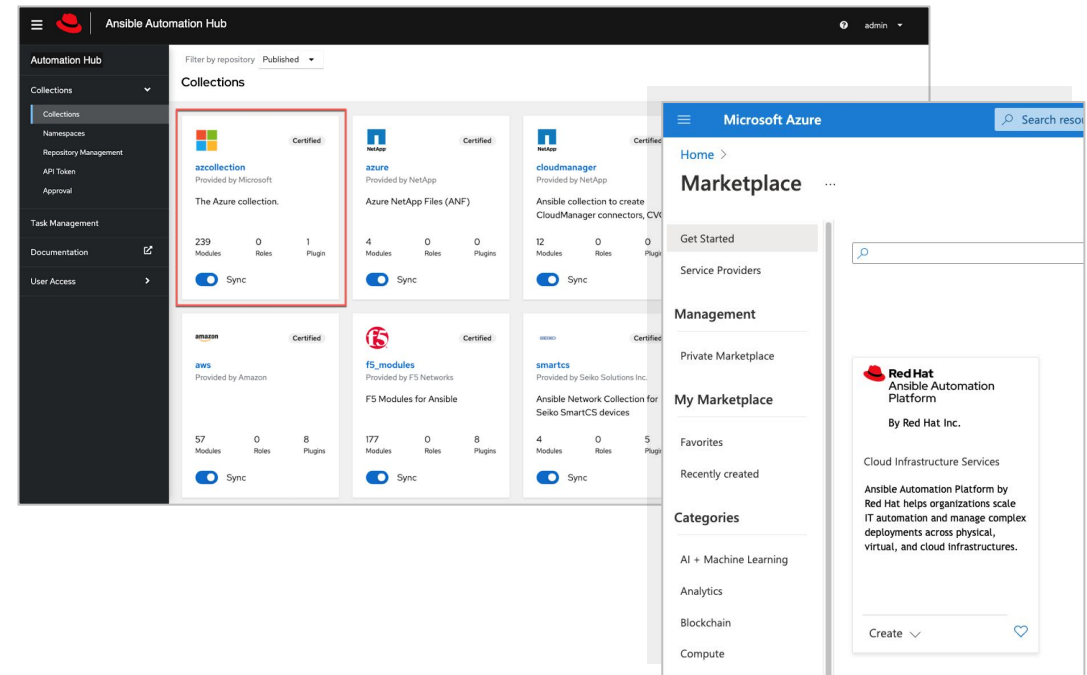
Quick and easy to get started



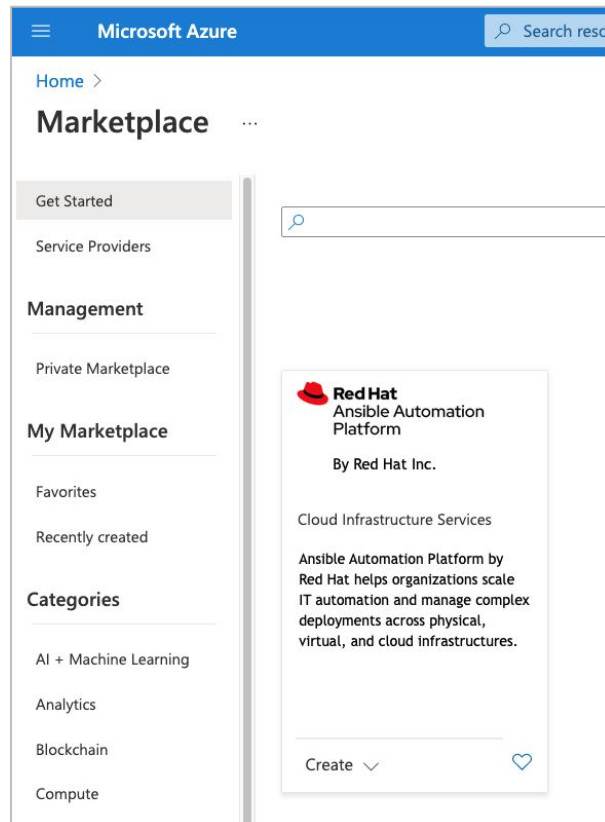
Optimized deployment with seamless integration to Azure services



Unlock speed and efficiency



Now Available in the Azure Public Marketplace



Managed Red Hat Ansible Automation Platform on Microsoft Azure is now available directly to the public through the [Azure Marketplace](#) in North America, Europe, Singapore and Australia, with global availability coming soon.

Olivier Pizzorni, principal architect, DevSecOps Group, Volvo

"As a DevSecOps organization, we needed an industrial-level solution to support moving significant amounts of critical workloads to the cloud. We turned to Red Hat Ansible Automation Platform because of its cloud-native architecture, open source nature and reliable capabilities for efficient configuration management, change control and compliance. The fact that this truly cloud-native solution is available on the Azure Marketplace as a managed application greatly eases initial setup, and allows us to start automation within minutes. Our ambition is to deliver Ansible-as-a-service to our development teams, so we can port our existing playbooks to the new solution without any issue and support our broader transformation journey."



AF 2022 | Ansible on AWS

October 18 2022

Launch at AnsibleFest

First day of AnsibleFest, we will announce on mainstage with AWS and the following activities: a dedicated press release, paid social promotion, website product page, solutions brief and infographic.

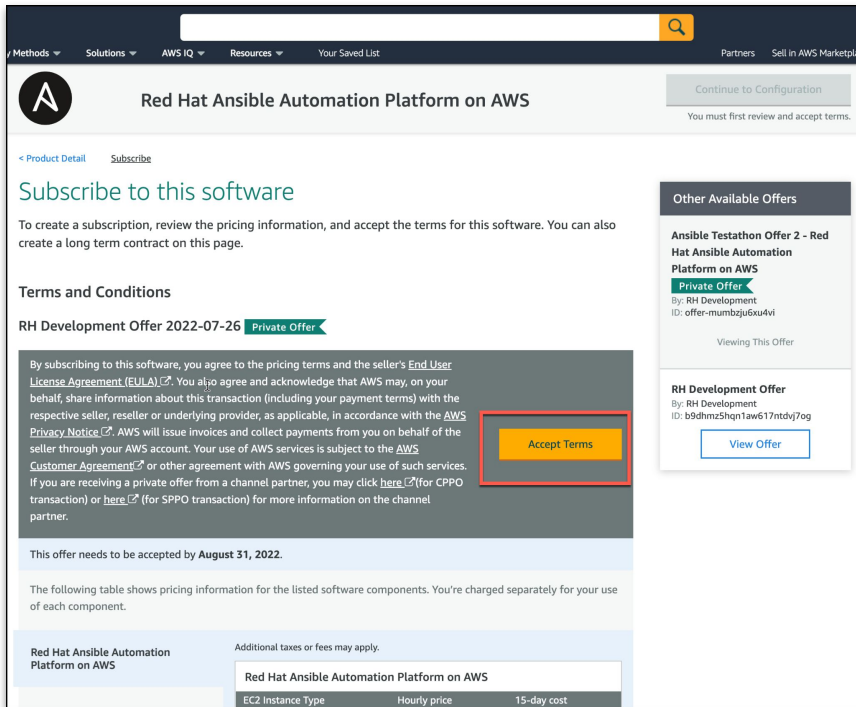
Nov./Dec 2022

Transactable on the marketplace Nov. 3

AWS re:Invent Nov. 28 - Dec. 3



Zero to automation in minutes



Deploy straight from the AWS Marketplace portal

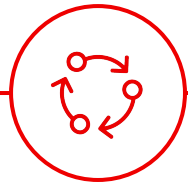


Start managing your AWS resources quickly

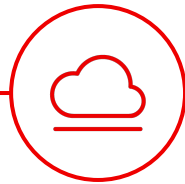
Red Hat Ansible Automation Platform via AWS Marketplace



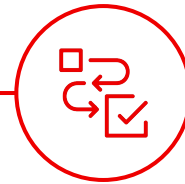
**Runs in
your AWS cloud**



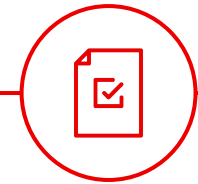
**Fully installed
and integrated**



**Supported
by Red Hat**



**Integrated to
AWS billing**



**Counts toward
spend agreements**

Red Hat Ansible Automation Platform via AWS Marketplace


Automation from your AWS cloud to on-premises, edge, and IT resources

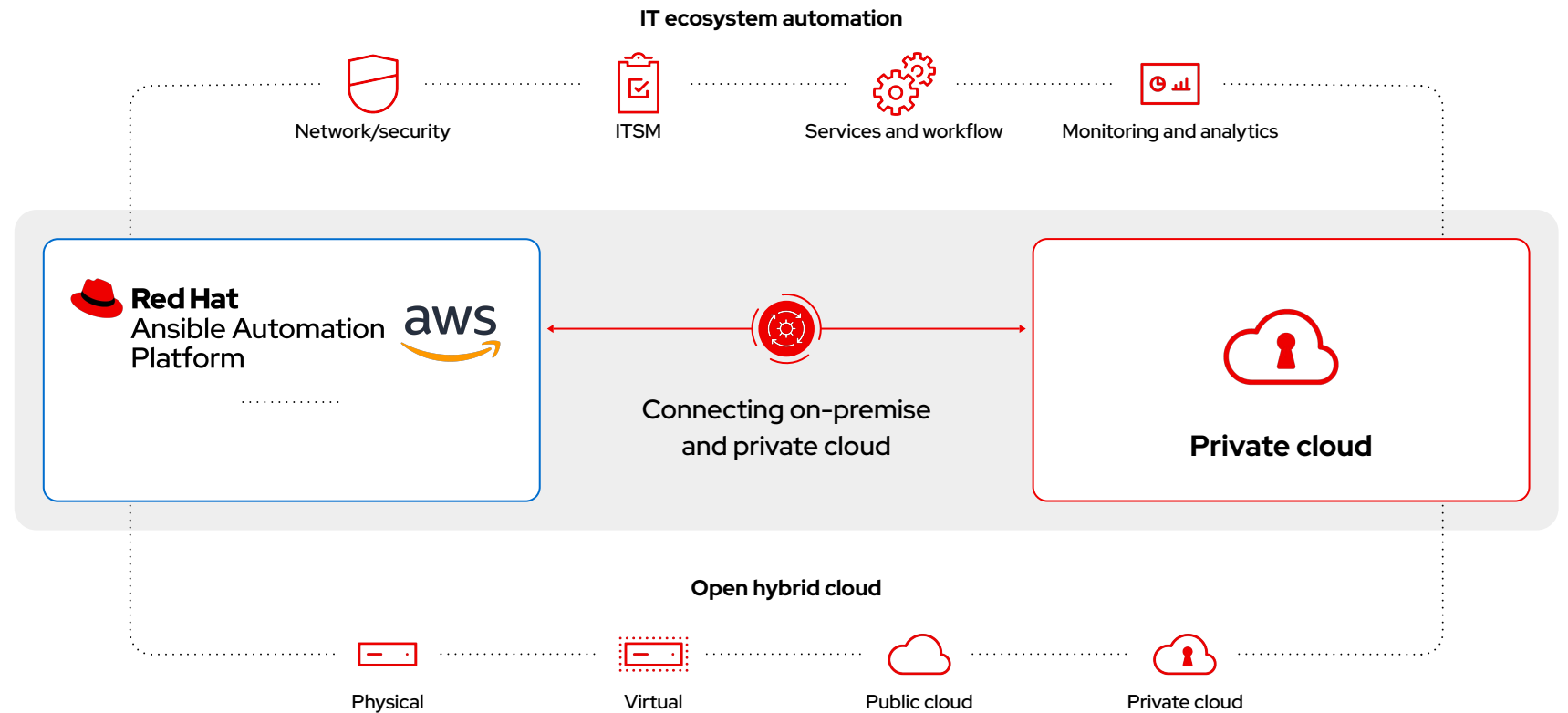
 **Runs in your AWS cloud**

 **Fully installed and integrated**

 **Supported by Red Hat**

 **Integrated to AWS billing**

 **Counts toward spend agreements**





AF 2022 | Event-Driven Automation

Roadmap

AnsibleFest 2022
October 18 + 19

Event Driven Ansible developer preview

- ▶ A rules language and file structure for defining relationship between events and actions
- ▶ A community driven CLI to run the rules files (rulebooks) and server to manage the execution
- ▶ Observability into execution that results from events
- ▶ Engage community & ISVs: try, feedback and integrate

2023
AAP 2.4 + AAP 2.5

Integrate Event Driven Ansible into Red Hat Ansible Automation Platform

- ▶ Functionality available in automation controller
- ▶ Use Ansible features (RBAC etc.) with Event-Driven Ansible
- ▶ One platform with choice of automation modes

Event driven automation: the basics

Red Hat Point of View

OBSERVE

From a partner monitoring tool source, watch conditions and observe "events"



EVALUATE

Receive partner source event, decide what Ansible Rulebook matches and trigger automation



ACT

Implement instructions in Rulebook for desired outcome (notify, return facts, remediate etc.)

CO-OPERATE

Event driven and self-healing architectures are multivendor. Event Driven Ansible is a flexible event automation handler in an ecosystem and excels at codifying knowledge, deciding when it applies and implementing that knowledge.



AF 2022 | Ansible Validated Content

Red Hat Ansible Certified Content

What do I want to automate?



Establishes **integration** with Red Hat and 3rd-party platforms

From Red Hat and trusted industry partners

Tested and supported for security, quality, and reliability

Available through **console.redhat.com**

Ansible Validated Content ^{New!}

How should I automate my systems?



Provides an **expert-led path for performing operations** in Red Hat and 3rd-party platforms

From Red Hat and trusted industry partners

Customizable for customer's unique requirements

Curated and tested for security, quality, and reliability

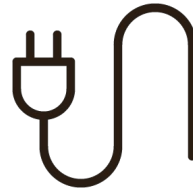
Now preloaded in **private automation hub**

What is content?

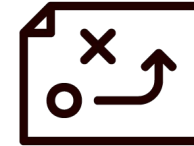
A data structure containing automation assets



MODULES



PLUGINS



ROLES & PLAYBOOKS



TESTS

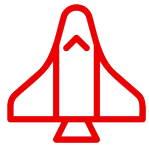


DOCUMENTATION

ANSIBLE CONTENT COLLECTIONS

Ansible validated content:

How should you automate your systems?



AUTOMATE FASTER

Follow an **expert-guided** path from Red Hat and industry-leading providers

Jump-start common automation projects for cloud, edge, network, and security use cases



TESTED / TRUSTED

Curated by Red Hat

Pre-loaded into private automation hub

Customizable for customer's unique environment



SHAREABLE / REUSABLE

Collaborate and standardize on a set of best practice.

Reduce manual repetition when deploying/configuring systems

Ansible validated content

HYBRID CLOUD

- AWS
 - Operations
 - Setup credentials
 - Detach and delete internet gateways
 - Configure multi-region CloudTrail
 - Creating custom AMIs
 - Terminate EC2 instances by tag
 - Troubleshooting
 - RDS connectivity
- Azure
 - Lifecycle management
 - Load balancers
 - Postgres SQL instance
 - Network interfaces and stacks
 - Resource and security groups
 - Virtual machine

SECURITY

- Firewall Policy Automation 0.1

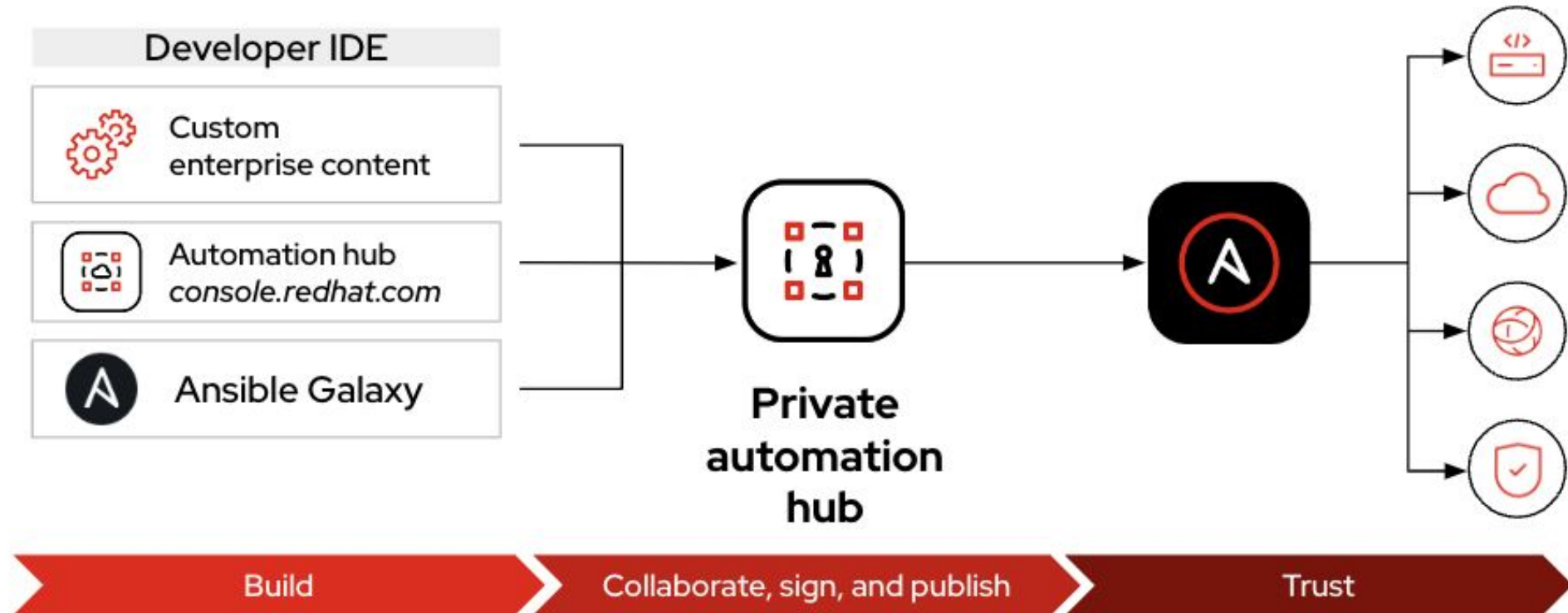
NETWORKING

- DNS management
- ACLs management
- Interfaces management

NETWORK AT THE EDGE

- Cloud connectivity implementation
- Autonomous System Number (ASN) configuration
- OSPF management
- BGP management
- Common network health checks: reachability tests, interface verification, routing protocols neighbors' state validation, mac-addresses, VLANs, ARP-tables and bootflash health check, and more.

Ansible validated content





AF 2022 | Ansible Edge Validated Patterns

Validated Patterns : Simplifying the creation of edge stacks

Bringing the Red Hat portfolio and ecosystem together - from services to the infrastructure

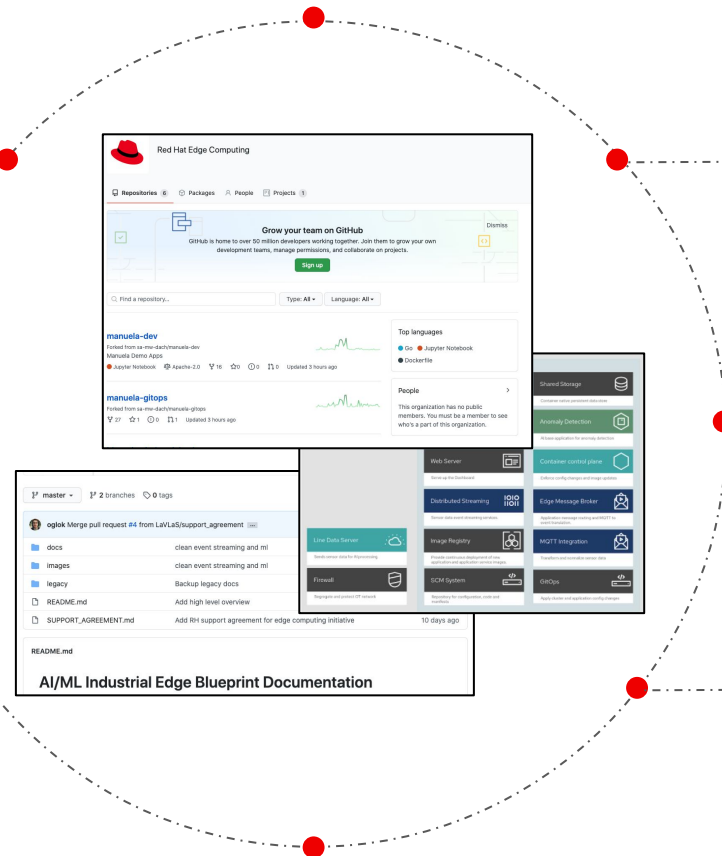
Pattern as code

Go beyond documentation using GitOps process to simplify deployment



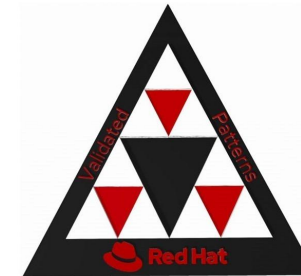
Highly reproducible

So that you can scale out your deployments with consistency



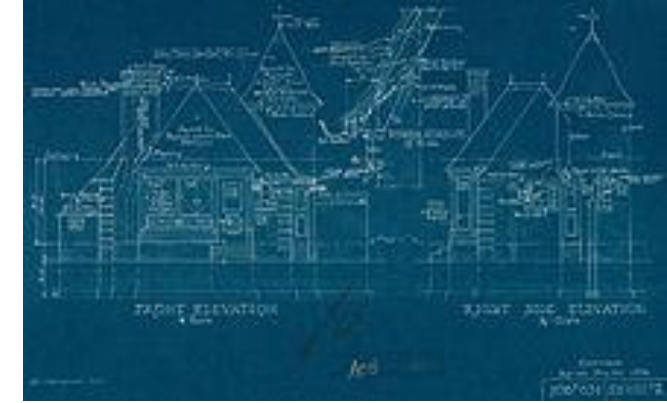
From POC to production

Ensure your teams are ready to operate at scale



Open for collaboration

Anyone can suggest improvements, contribute to it



Living Reference Architectures

Reference Architecture

- Paper deliverable
- Not maintained over time
- Does not allow for CI
- No easy demos
- No reuse (partner/customers)
- Not code!

Validated Patterns

- Based on proven customer deployment
- Detailed deployable architecture
- Validated (BUs, CoPs, Architects)
- GitOps (config as code)
- Upstream Git repository
- Demo (Recorded and RHPDS)
- Managed Lifecycle for each Pattern
- Long-term goal to have support, services and partner engagement



Important Aspects of the Pattern

Real World Model

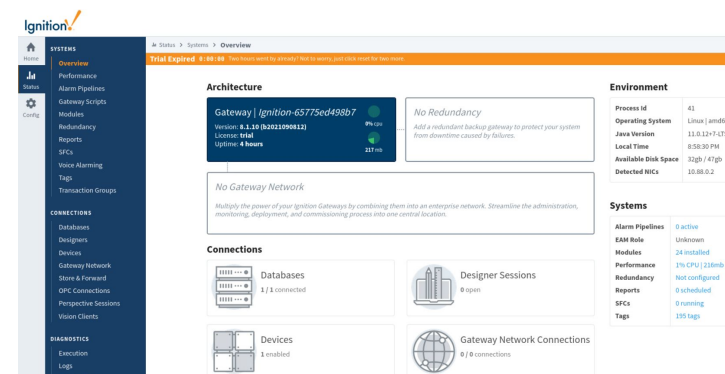
- Based on a real oil/gas deployment
- AAP Deployment and Configuration
- Declarative, gitops based installation and configuration of RHEL VMs
- AAP integration with OpenShift

make install



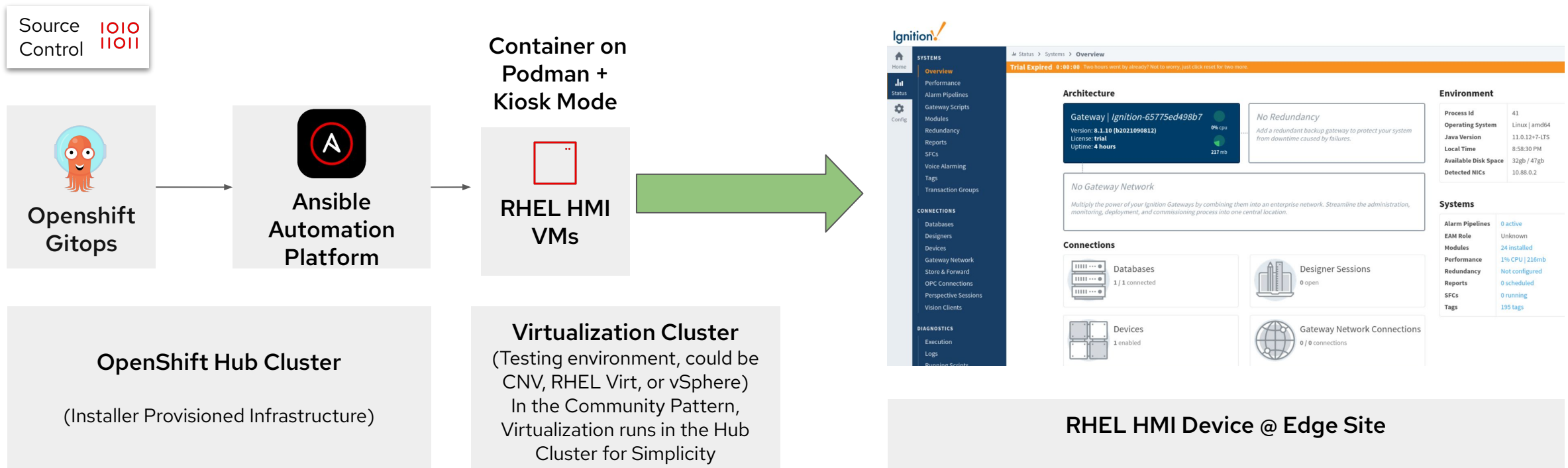
Integrated, Tested Components

- **OpenShift+GitOps for Ansible/RHEL!**
- Ansible Automation Platform
- OpenShift Virtualization (on AWS)
- HashiCorp Vault
- Podman on RHEL
- Firefox Kiosk Mode



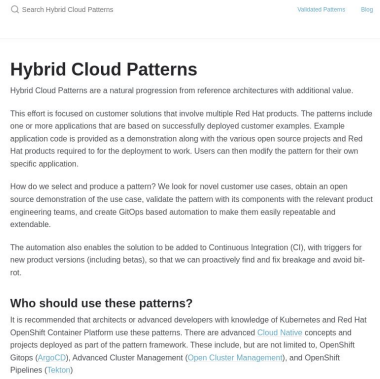
Ansible Edge Gitops Community Pattern

Industrial Edge Human Machine Interface(HMI)



<https://github.com/hybrid-cloud-patterns/ansible-edge-gitops>

For more information on Validated Patterns:



Hybrid Cloud Patterns
What is a “Validated Pattern”
(Upstream)

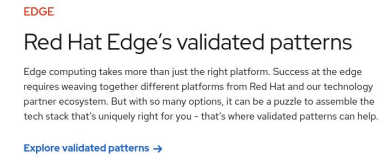
[Hybrid Cloud Patterns Page](#)

[Red Hat Edge Solutions](#)

[Red Hat Edge Validated Patterns](#)

[Red Hat Edge Technology GitHub Organization](#)

[Red Hat Validated Patterns Page](#)



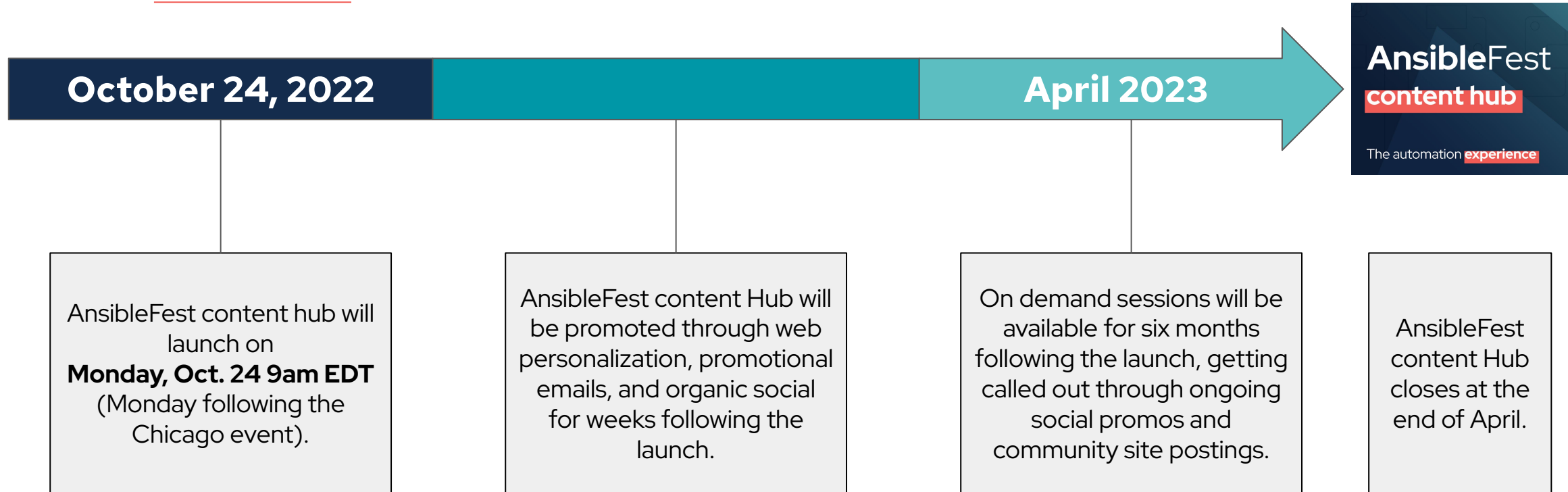
What are validated patterns?

Red Hat Edge's validated patterns are detailed deployments created for different edge use cases. These pre-defined edge computing configurations bring together the Red Hat portfolio and technology ecosystem to help you stand up your edge architecture faster.

Edge Validated Patterns Product Page
(Downstream)

Post Event

AnsibleFest content Hub



Welcome,
Adam Moore

[Edit profile](#)

Surveys

Share your feedback to help us shape AnsibleFest. Surveys will appear once you've watched your first session.



AnsibleFest

content hub

The automation **experience**

Welcome to the AnsibleFest content hub

Continue building on your automation journey by exploring the best of AnsibleFest, with exclusive content available only on demand, anytime through April 2023. Whether you attended our in-person event in October or are discovering our virtual content for the first time, you can now check out everything from keynotes to the expo hall—all from one place.

Must-see sessions

Keynotes

Keynote sessions

Tap into the minds of technology experts leading the way in automation.

[Watch now →](#)

On-demand sessions

On-demand sessions

With more than 50 sessions to choose from, you can explore the topics most interesting to you.

[View all sessions →](#)

Virtual expo hall

Red Hat booths

Red Hat booths

Find out how Red Hat® technologies can support you in your IT automation journey.

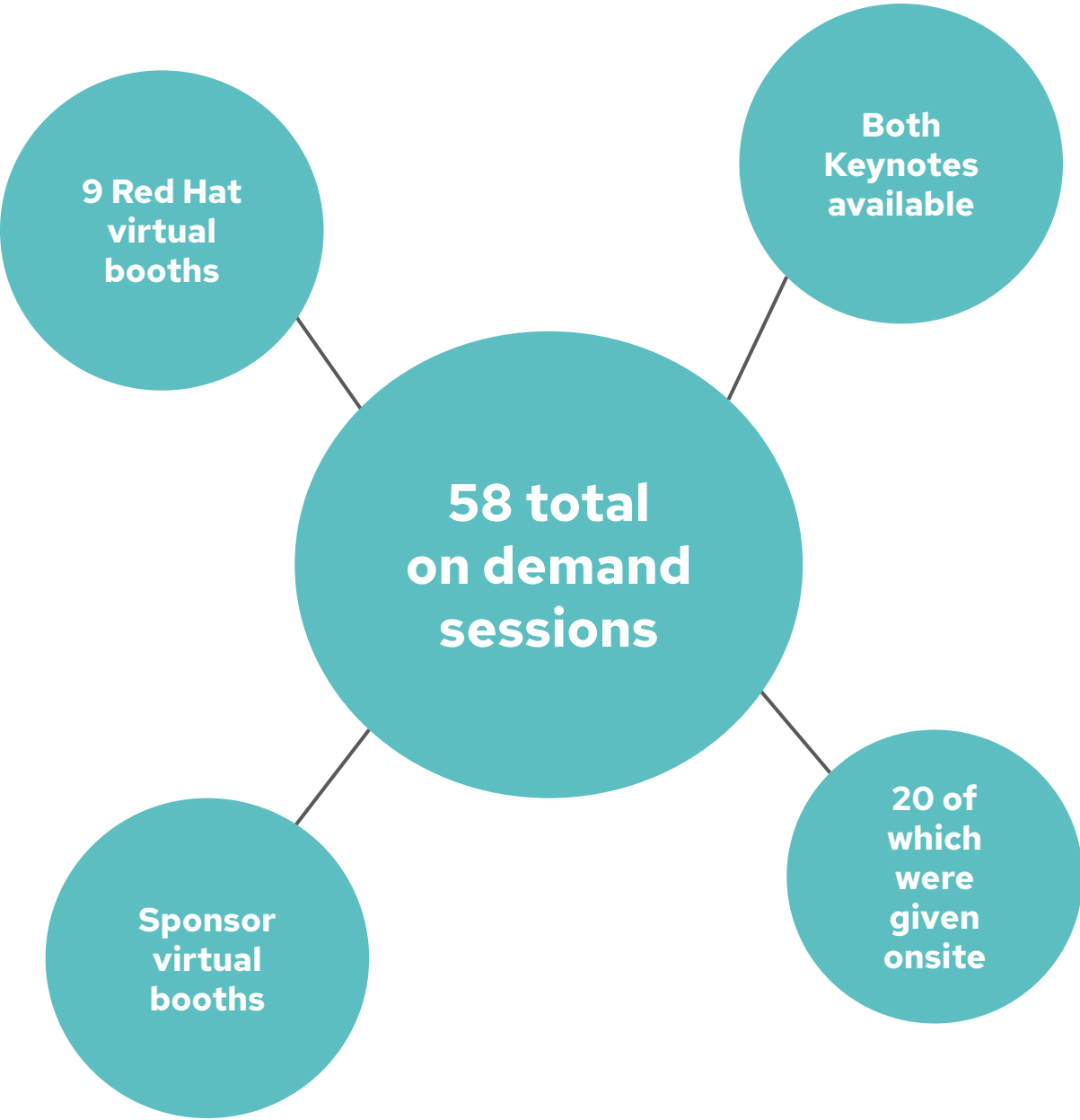
[Visit the booths →](#)

Sponsor booths

Sponsor booths

Learn about the companies developing tools to help support the future of automation.

[Visit the booths →](#)



Questions?

Ansible Automation Platform is Red Hat's fastest growing product!!

Objective

Get every Ansible Tower customer upgraded to
Ansible Automation Platform 2.x ASAFP

AAP 2.x has All New Architecture

Tower to AAP2.x - **not an upgrade for Children** - this one is different and not easy to do - not your typical point upgrade - otherwise everyone would have done it already.

New Architecture, Containers, etc. - **this one is different and our Customers need our help!!** That's how we can make some money!!! And find ways to grow the # of nodes by **adding use cases** to their automation processes.

Ansible Tower - AAP1.2 is
in Maintenance Support 2

Critical security fixes only

End of Life
September 29,
2023

Ansible Automation Platform is Red Hat's fastest growing product!!

Call to Action

Account Teams to fill out linked Spreadsheet:

[Great Lakes Ansible Upgrade Tracker](https://docs.google.com/spreadsheets/d/1QOO92ZbdnYjMvFHk0IGx3g28KA4ifyXabvGYN5fxKAK/edit?usp=sharing)

<https://docs.google.com/spreadsheets/d/1QOO92ZbdnYjMvFHk0IGx3g28KA4ifyXabvGYN5fxKAK/edit?usp=sharing>

Questions for each account:

Customer Name	Paid Ansible?	# of Nodes	AAP version?	Comments
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Then engage John Sullivan, James Gordon, or Dave Pritchard - we'll get RH Consulting engaged. We'll work with the Account Team and Josh to grow AAP subs and get your customers to the future.

Ansible Tower - AAP1.2 is
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Critical security fixes only

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