Red Hat Summit Connect

Ansible Automation Platform and OpenShift Advanced Cluster Management

- integration that matters

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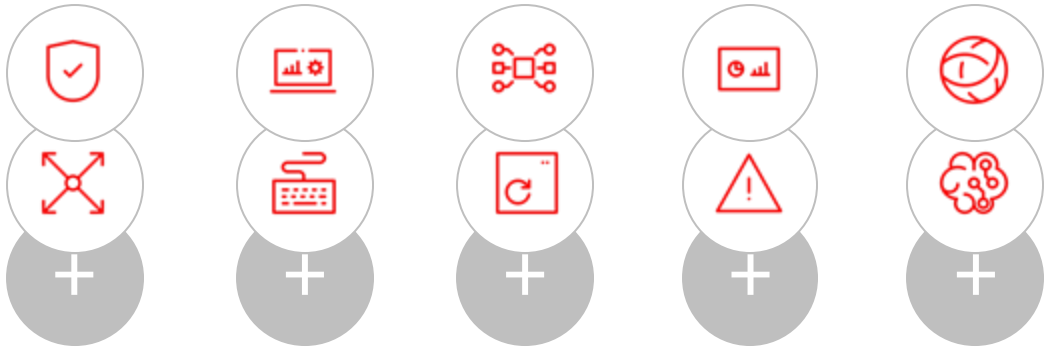
In today's IT world, the question isn't 'IF' you should **automate**,

but 'WHEN' and ‘ WHAT’ you'll **start winning** by doing it.

Many organizations share the same challenge.

Differing skills, roles, and responsibilities

Growing number of use cases



Multiple platforms and locations

Across multiple domains

Governance

An integrated Automation Platform for your company

Automation creation

[1] CREATE

- Ansible Content Collections
- Ansible development tools
- Ansible plugins for Red Hat Developer Hub
- Ansible development workspaces
- Red Hat Ansible Lightspeed

Automation administration

- Red Hat Ansible Automation Platform Operator
- Event-Driven Ansible
- Automation mesh
- Execution Environments

[2] Manage

[3] Scale

Automation Deployment

Red Hat Enterprise Linux · Red Hat OpenShift · aws · Azure · Google Cloud

Scale

Business Tools and Analytics

Red Hat Insights · Automation analytics

Manage

Turn your automation expertise into Ansible content with AI

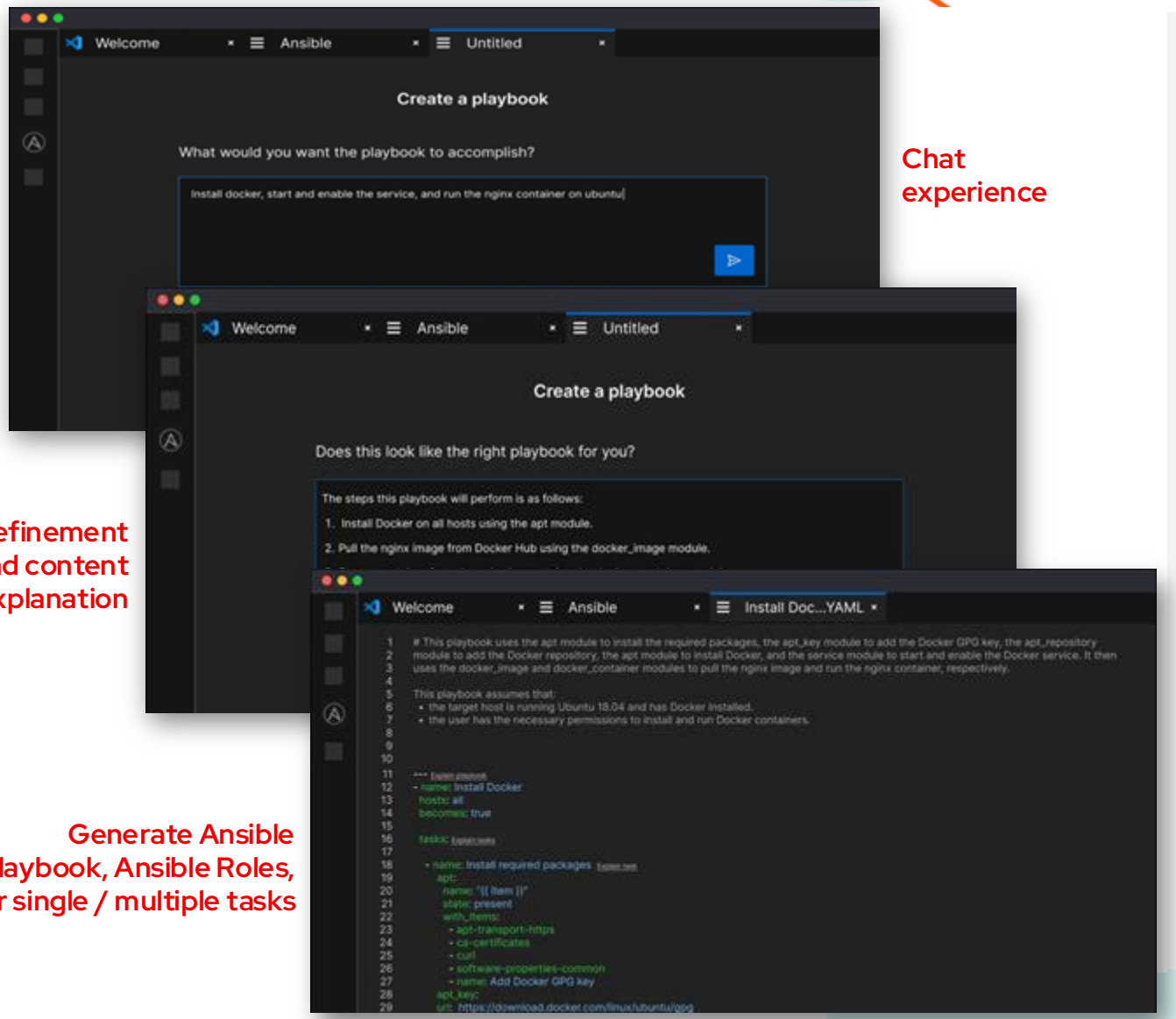
CODE ASSISTANT

Ansible-specific code generation service to:

- Boost **development productivity**
- **Democratize access** to automation
- **Establish trust** and confidence in code
- Connect to IBM watsonx Code Assistant, powered by **IBM Granite code models**

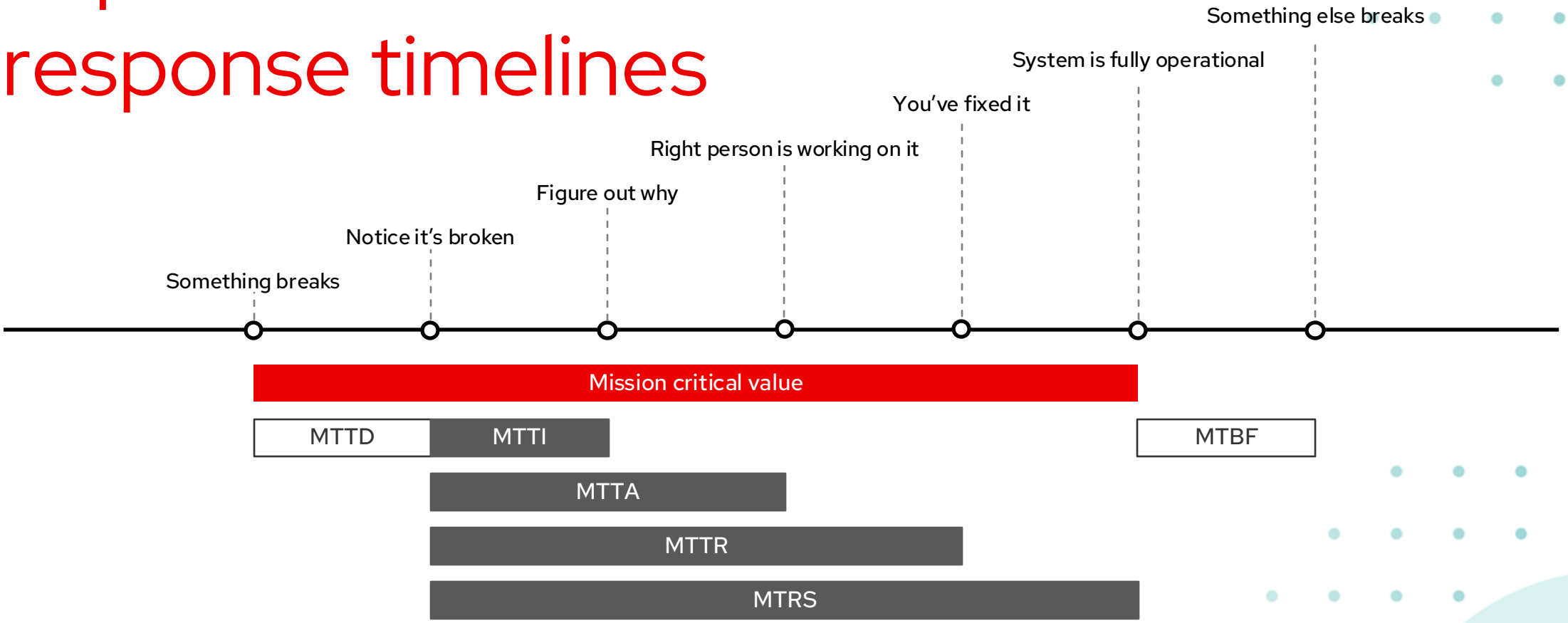
Example prompts:

- *"Write an Ansible Playbook to provision a VM on AWS."*
- *"Deploy LAMP stack on a RHEL server."*
- *"Show me an Ansible Playbook that will install RHEL AI"*



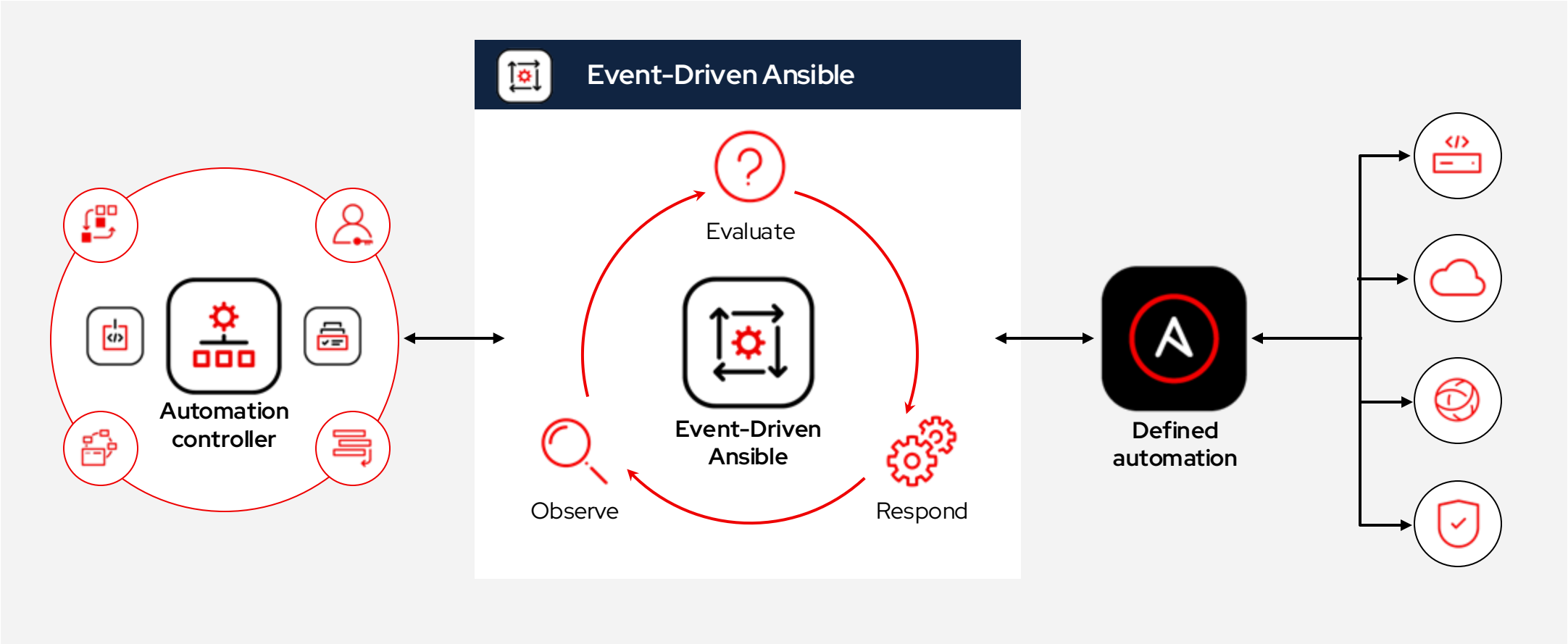
Minimize time, effort, and disruption
for faster responses to issues on mission-critical applications

Improve incident response timelines



MMTD: Mean Time to Detect, **MTTI:** Mean Time to Investigate, **MTTA:** Mean Time to Action, **MTTR:** Mean Time to Repair, **MTRS:** Mean Time to Restore Service, **MTBF:** Mean Time Between Failures, **MTBSI:** Mean Time Between Service Incidents

Event-Driven Ansible. Observe, evaluate, respond.



Use case and tool friendly event-driven automation

Event-Driven Ansible is partner friendly

NEW splunk> a CISCO company

NEW nautobot

INSTANA an IBM Company

dynatrace

kentik.

paloalto NETWORKS

servicenow

IBM Turbonomic

LogicMonitor

CROWDSTRIKE

CYBERARK

BigPanda

ZABBIX

f5

Red Hat Insights

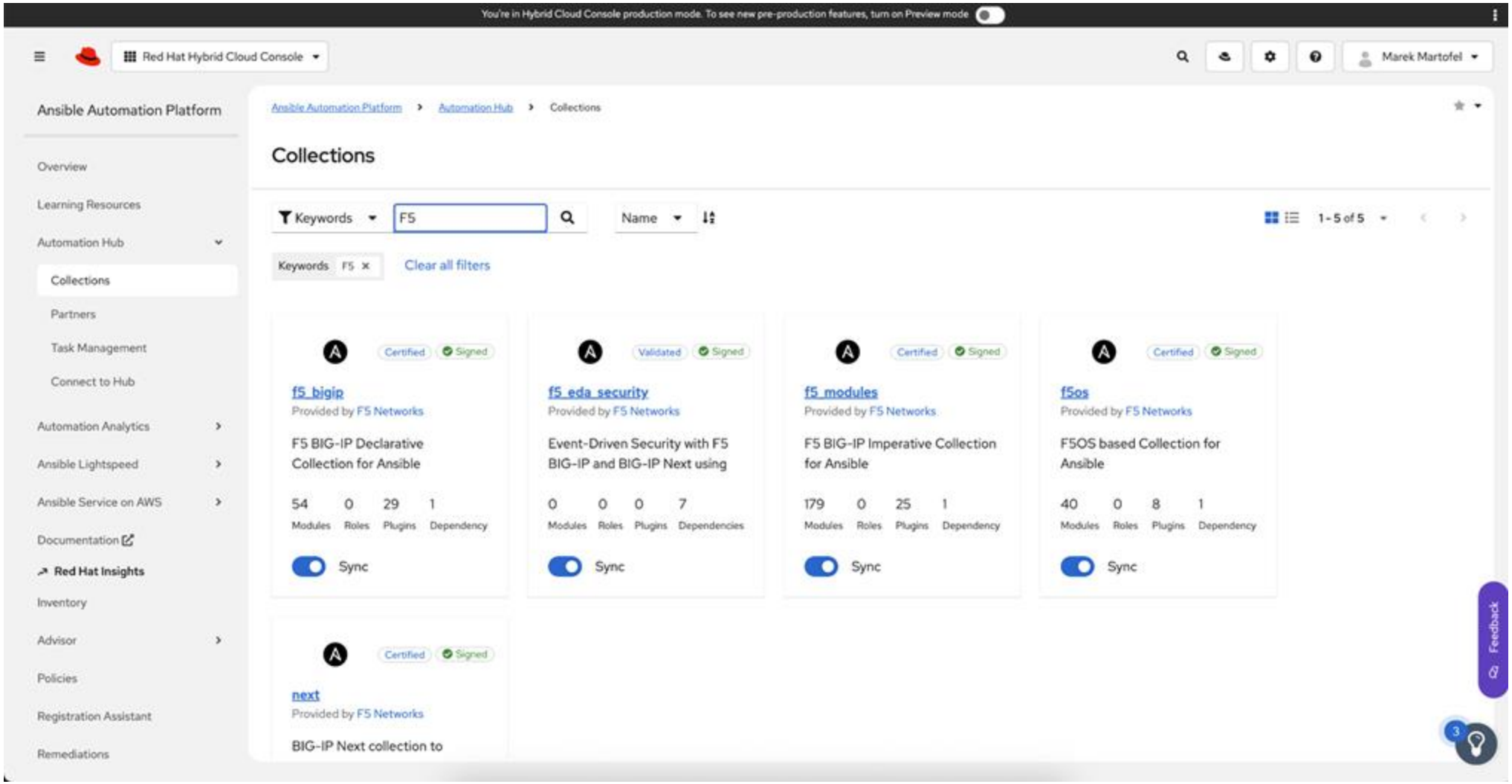
ansible.eda

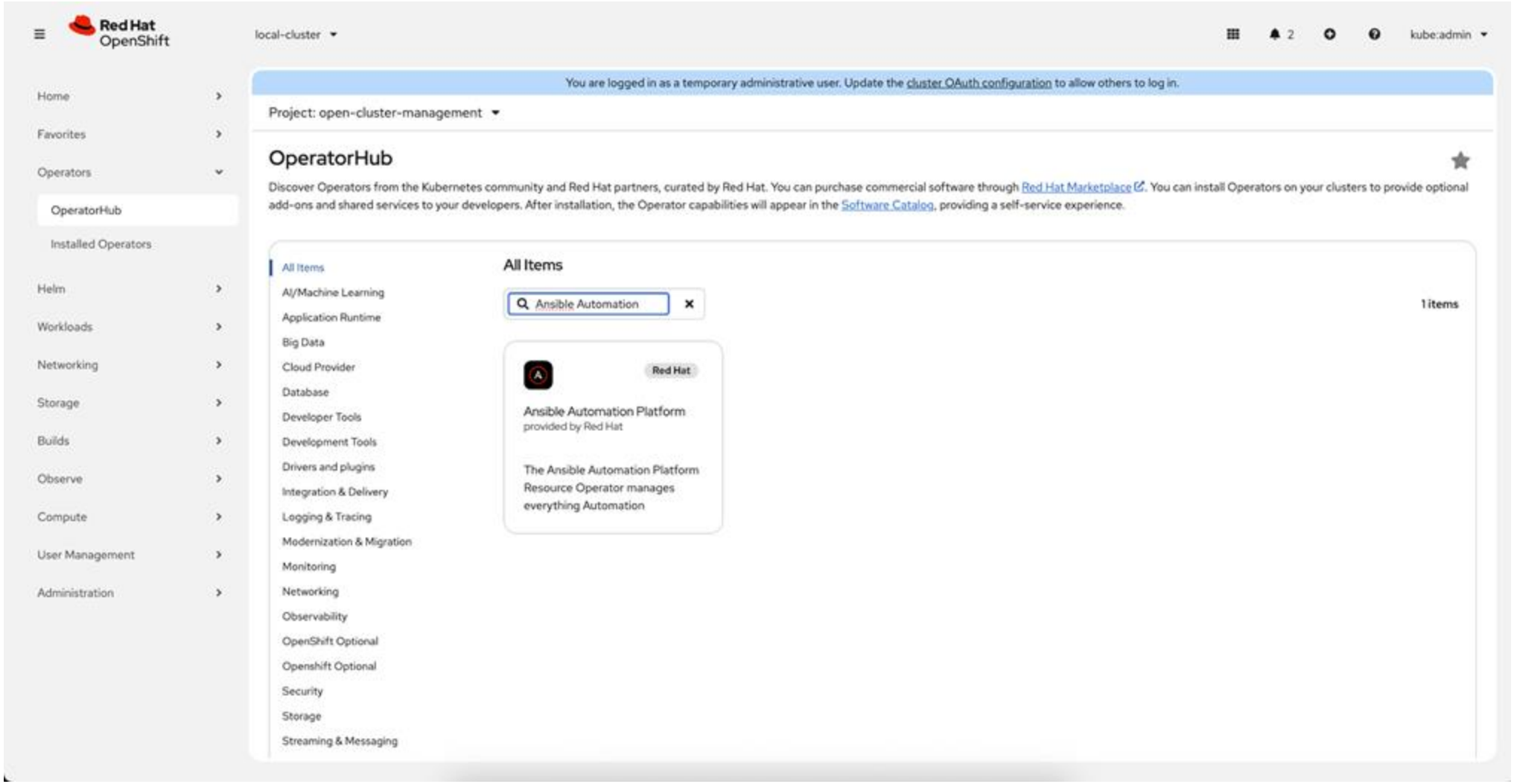
Blog: custom plugins

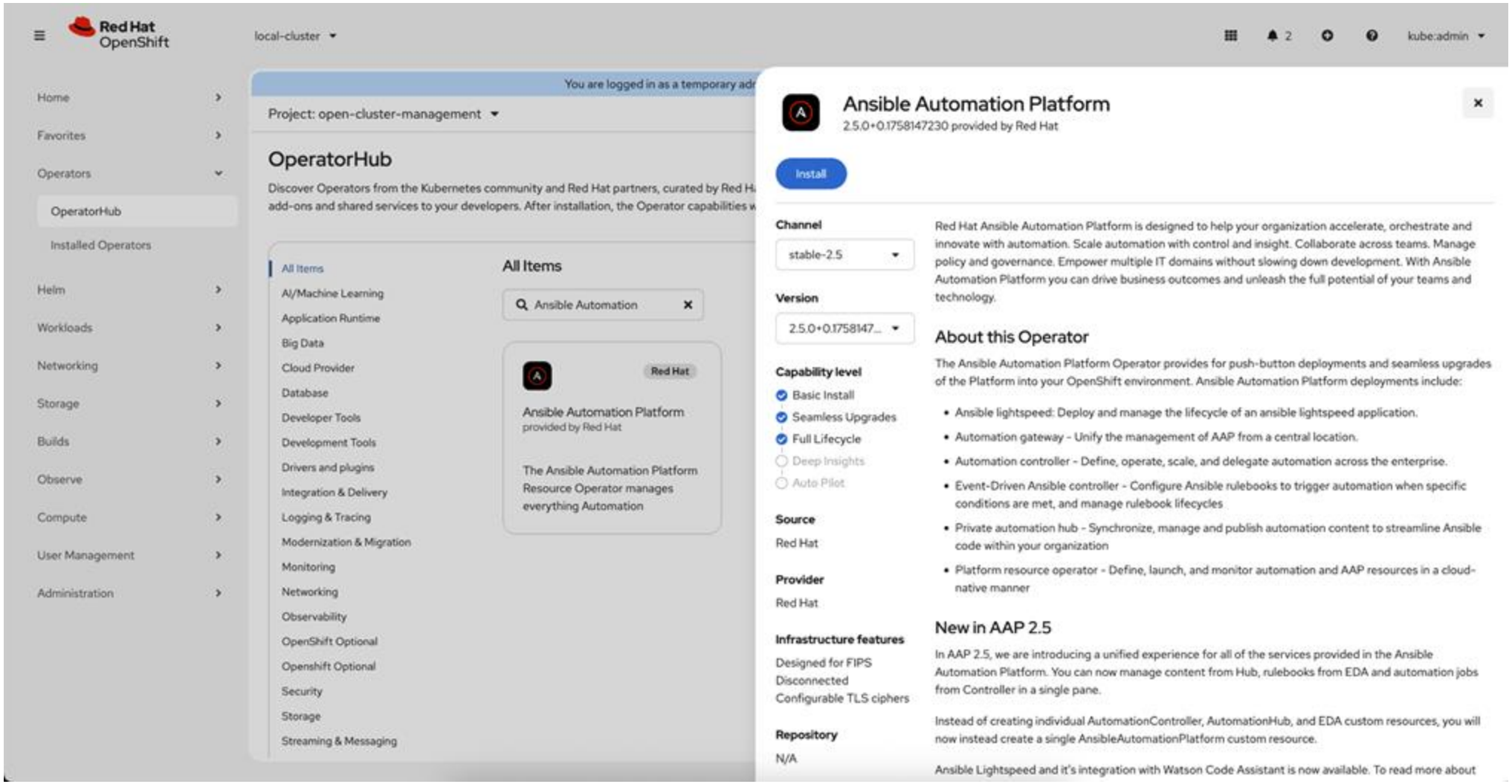
So if I have my OpenShift cluster
or many clusters...

How I can play with external elements?

With Ansible Automation Platform maybe?


You're in Hybrid Cloud Console production mode. To see new pre-production features, turn on Preview mode
Red Hat Hybrid Cloud Console
Marek Martofel
Ansible Automation Platform
Overview
Learning Resources
Automation Hub
Collections
Partners
Task Management
Connect to Hub
Automation Analytics
Ansible Lightspeed
Ansible Service on AWS
Documentation
Red Hat Insights
Inventory
Advisor
Policies
Registration Assistant
Remediations
Ansible Automation Platform > Automation Hub > Collections
Collections
Keywords
F5
Name
1 - 5 of 5
Keywords F5
Clear all filters
Certified
Signed
f5_bigip
Provided by F5 Networks
F5 BIG-IP Declarative Collection for Ansible
54 Modules 0 Roles 29 Plugins 1 Dependency
Sync
Validated
Signed
f5_eda_security
Provided by F5 Networks
Event-Driven Security with F5 BIG-IP and BIG-IP Next using
0 Modules 0 Roles 0 Plugins 7 Dependencies
Sync
Certified
Signed
f5_modules
Provided by F5 Networks
F5 BIG-IP Imperative Collection for Ansible
179 Modules 0 Roles 25 Plugins 1 Dependency
Sync
Certified
Signed
f5os
Provided by F5 Networks
F5OS based Collection for Ansible
40 Modules 0 Roles 8 Plugins 1 Dependency
Sync
Certified
Signed
next
Provided by F5 Networks
BIG-IP Next collection to
Feedback
3


Red Hat OpenShift
local-cluster
2
kube:admin
You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.
Project: open-cluster-management
Home
Favorites
Operators
OperatorHub
Installed Operators
Helm
Workloads
Networking
Storage
Builds
Observe
Compute
User Management
Administration
OperatorHub
Discover Operators from the Kubernetes community and Red Hat partners, curated by Red Hat. You can purchase commercial software through Red Hat Marketplace. You can install Operators on your clusters to provide optional add-ons and shared services to your developers. After installation, the Operator capabilities will appear in the Software Catalog, providing a self-service experience.
All Items
AI/Machine Learning
Application Runtime
Big Data
Cloud Provider
Database
Developer Tools
Development Tools
Drivers and plugins
Integration & Delivery
Logging & Tracing
Modernization & Migration
Monitoring
Networking
Observability
OpenShift Optional
Openshift Optional
Security
Storage
Streaming & Messaging
All Items
Ansible Automation
1 items
Red Hat
Ansible Automation Platform
provided by Red Hat
The Ansible Automation Platform Resource Operator manages everything Automation


Red Hat OpenShift
local-cluster
kube:admin
Home
Favorites
Operators
OperatorHub
Installed Operators
Helm
Workloads
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Builds
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Modernization & Migration
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Networking
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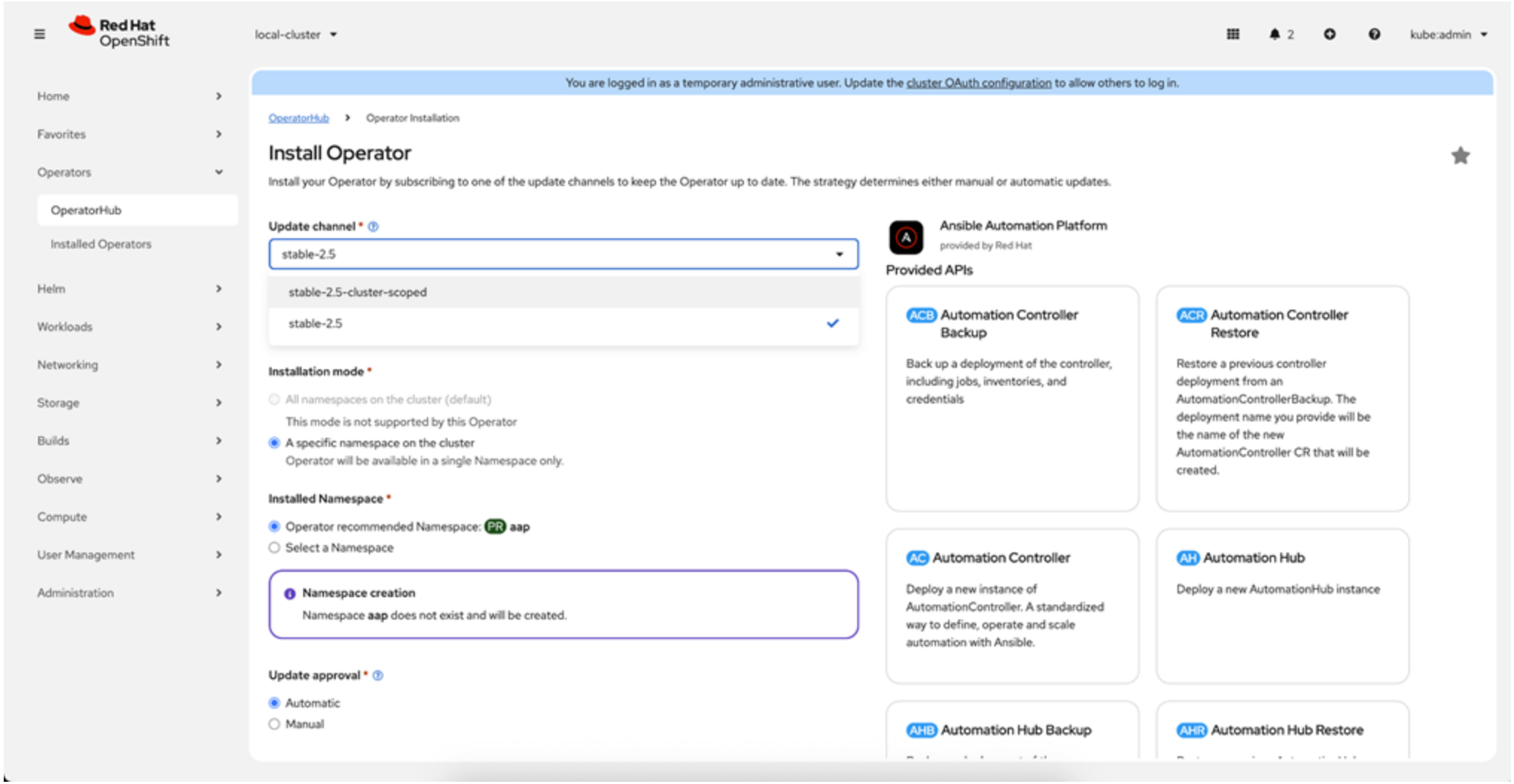
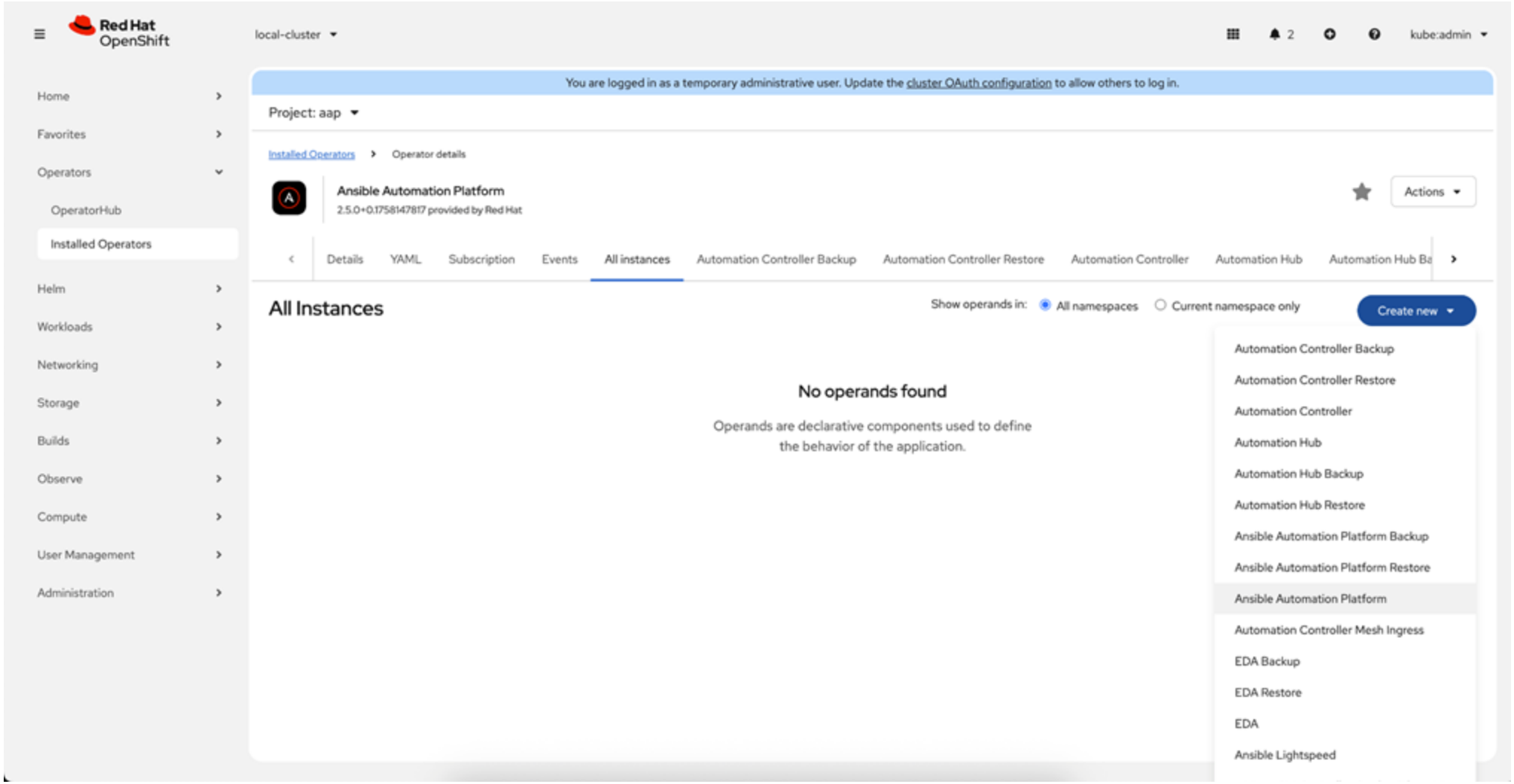
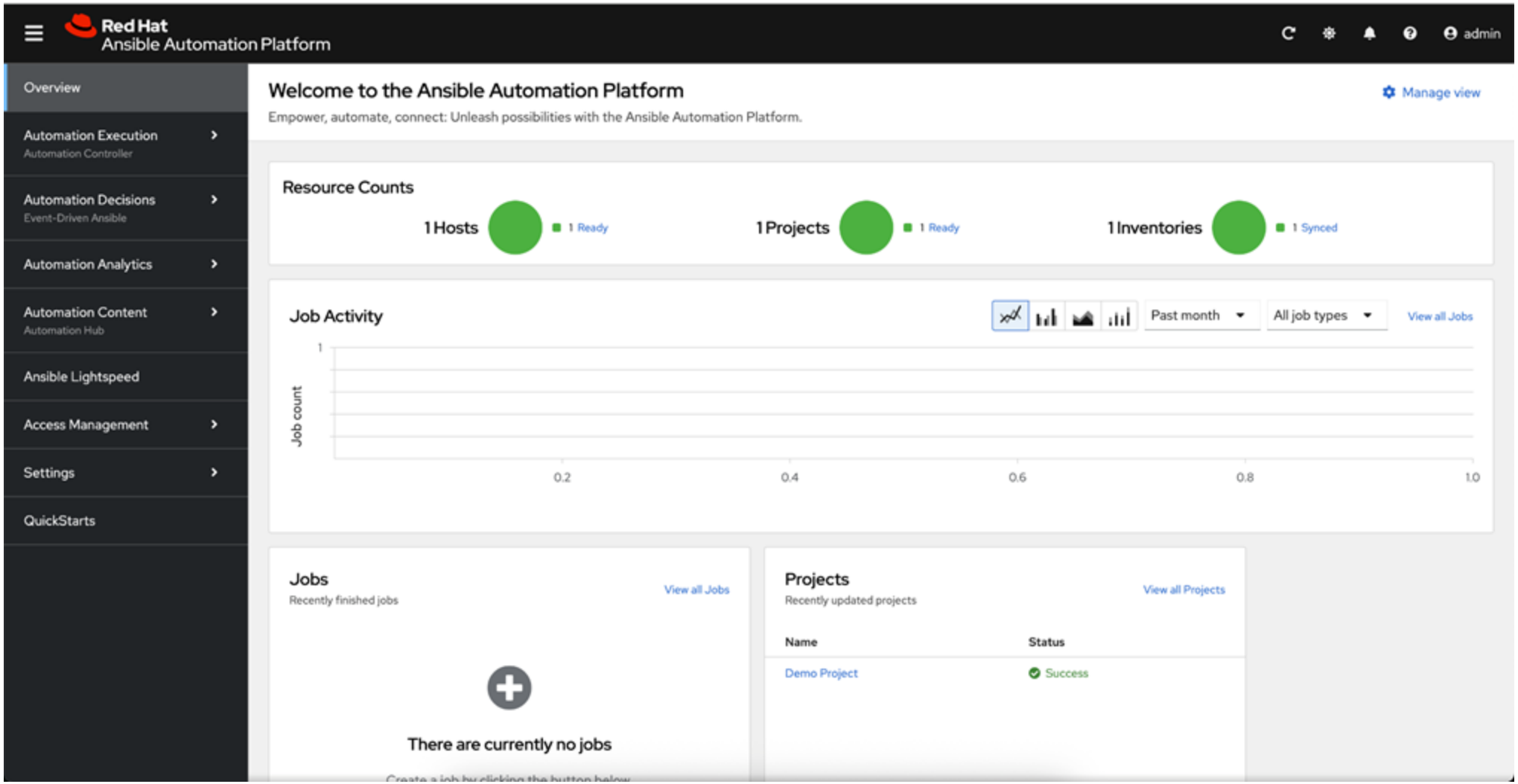
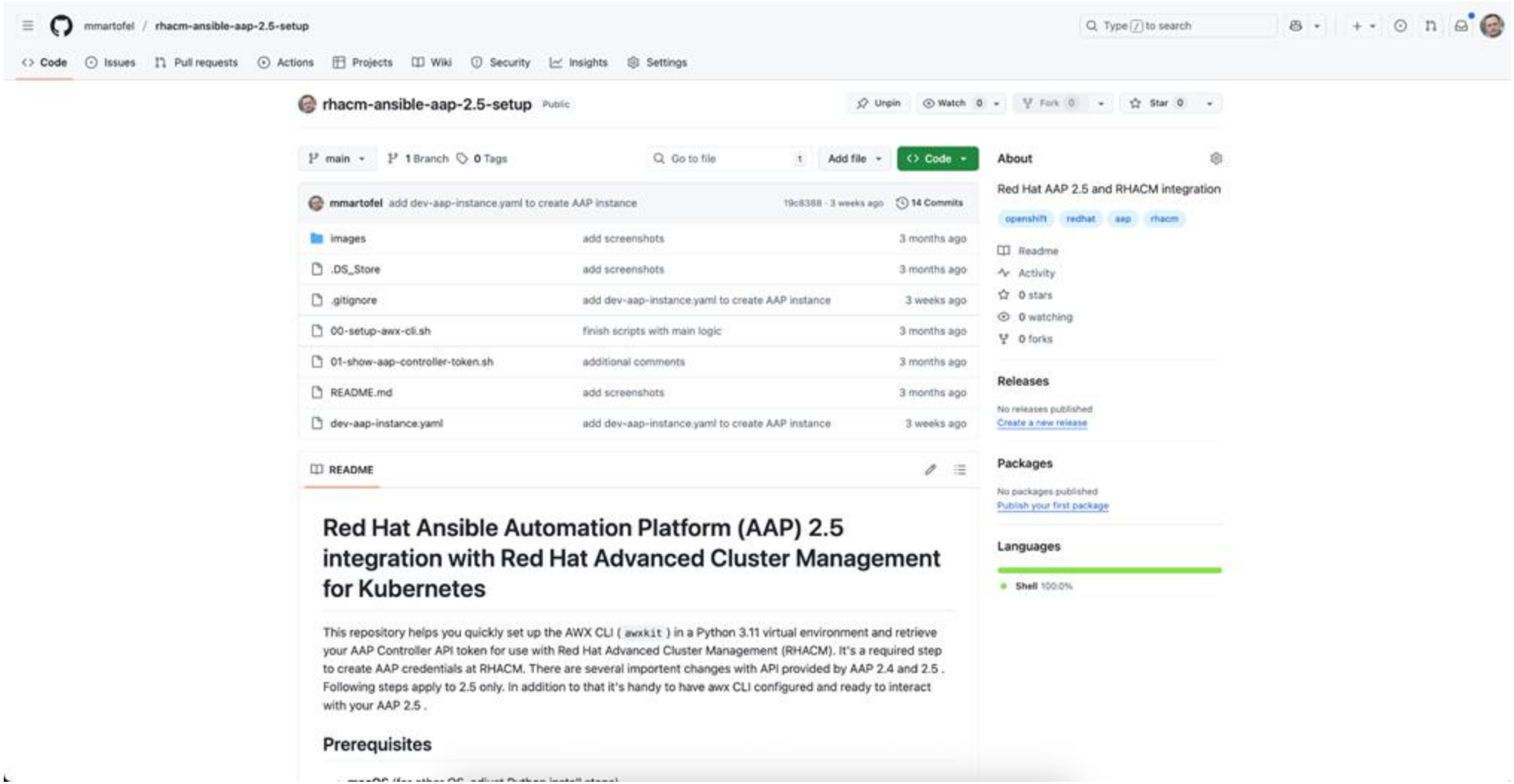
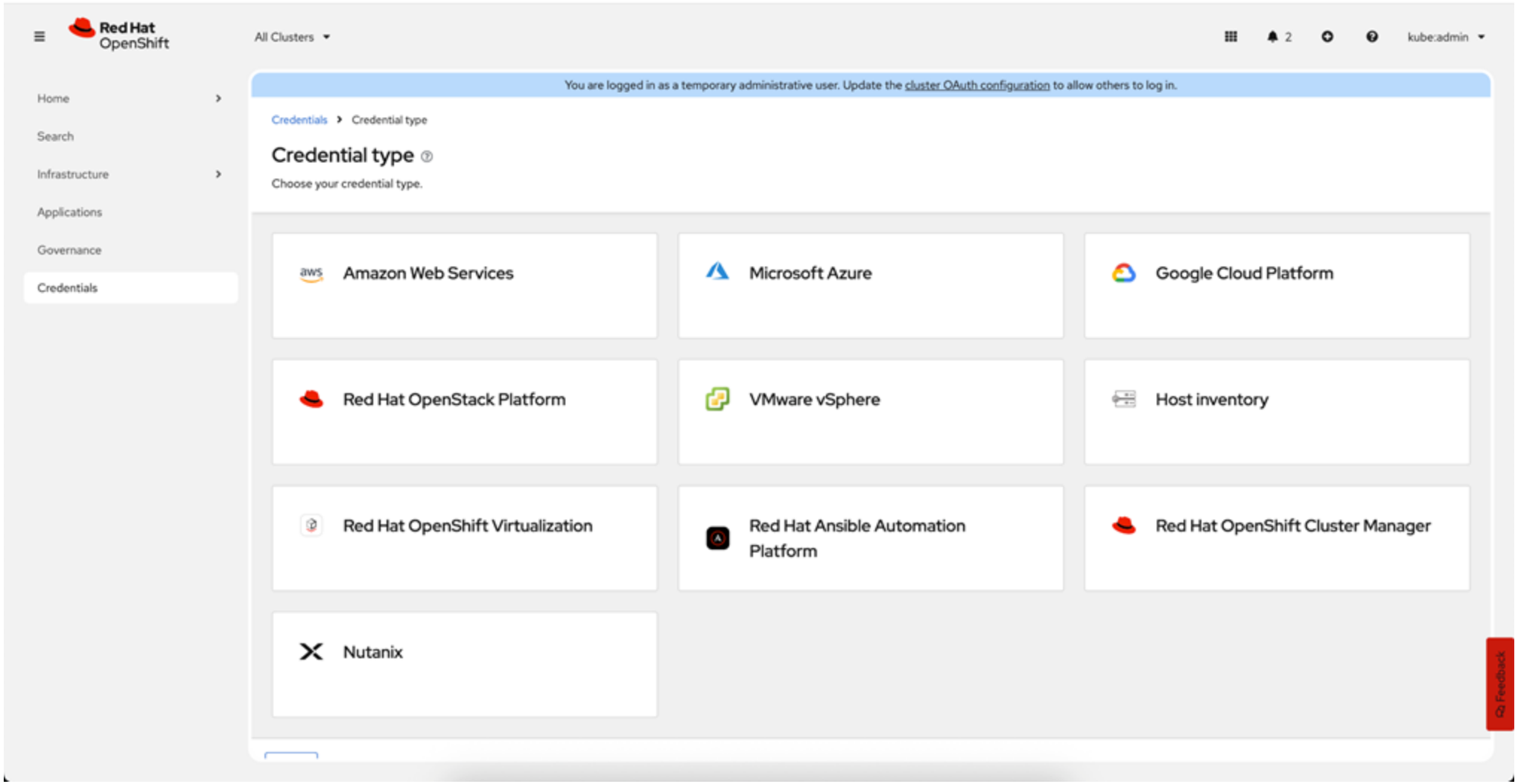
OpenShift Optional
Openshift Optional
Security
Storage
Streaming & Messaging
All Items
Ansible Automation
Red Hat
Ansible Automation Platform
provided by Red Hat
The Ansible Automation Platform Resource Operator manages everything Automation
Ansible Automation Platform
2.5.0+0.1758147230 provided by Red Hat
Install
Channel
stable-2.5
Version
2.5.0+0.1758147...
Capability level
Basic Install
Seamless Upgrades
Full Lifecycle
Deep Insights
Auto Pilot
Source
Red Hat
Provider
Red Hat
Infrastructure features
Designed for FIPS
Disconnected
Configurable TLS ciphers
Repository
N/A
Red Hat Ansible Automation Platform is designed to help your organization accelerate, orchestrate and innovate with automation. Scale automation with control and insight. Collaborate across teams. Manage policy and governance. Empower multiple IT domains without slowing down development. With Ansible Automation Platform you can drive business outcomes and unleash the full potential of your teams and technology.
About this Operator
The Ansible Automation Platform Operator provides for push-button deployments and seamless upgrades of the Platform into your OpenShift environment. Ansible Automation Platform deployments include:
Ansible lightspeed: Deploy and manage the lifecycle of an ansible lightspeed application.
Automation gateway - Unify the management of AAP from a central location.
Automation controller - Define, operate, scale, and delegate automation across the enterprise.
Event-Driven Ansible controller - Configure Ansible rulebooks to trigger automation when specific conditions are met, and manage rulebook lifecycles
Private automation hub - Synchronize, manage and publish automation content to streamline Ansible code within your organization
Platform resource operator - Define, launch, and monitor automation and AAP resources in a cloud-native manner
New in AAP 2.5
In AAP 2.5, we are introducing a unified experience for all of the services provided in the Ansible Automation Platform. You can now manage content from Hub, rulebooks from EDA and automation jobs from Controller in a single pane.
Instead of creating individual AutomationController, AutomationHub, and EDA custom resources, you will now instead create a single AnsibleAutomationPlatform custom resource.
Ansible Lightspeed and it's integration with Watson Code Assistant is now available. To read more about

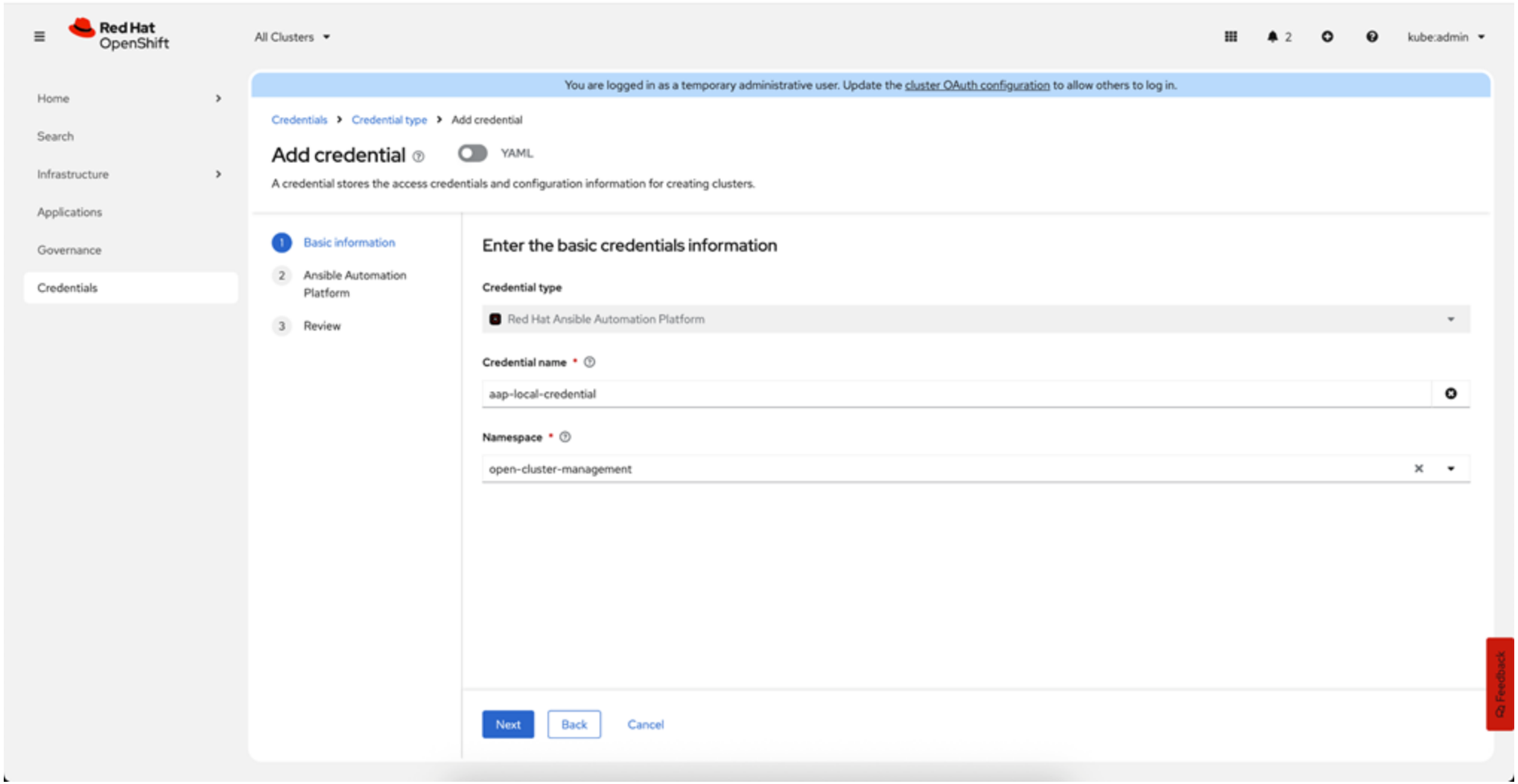

Red Hat OpenShift
local-cluster
2
kube:admin
Home
Favorites
Operators
OperatorHub
Installed Operators
Helm
Workloads
Networking
Storage
Builds
Observe
Compute
User Management
Administration
You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.
OperatorHub
Operator Installation
Install Operator
Install your Operator by subscribing to one of the update channels to keep the Operator up to date. The strategy determines either manual or automatic updates.
Update channel *
stable-2.5
stable-2.5-cluster-scoped
stable-2.5
Installation mode *
All namespaces on the cluster (default)
This mode is not supported by this Operator
A specific namespace on the cluster
Operator will be available in a single Namespace only.
Installed Namespace *
Operator recommended Namespace: PR aap
Select a Namespace
Namespace creation
Namespace aap does not exist and will be created.
Update approval *
Automatic
Manual
Ansible Automation Platform
provided by Red Hat
Provided APIs
ACB Automation Controller Backup
Back up a deployment of the controller, including jobs, inventories, and credentials
ACR Automation Controller Restore
Restore a previous controller deployment from an AutomationControllerBackup. The deployment name you provide will be the name of the new AutomationController CR that will be created.
AC Automation Controller
Deploy a new instance of AutomationController. A standardized way to define, operate and scale automation with Ansible.
AH Automation Hub
Deploy a new AutomationHub instance
AHB Automation Hub Backup
AHR Automation Hub Restore

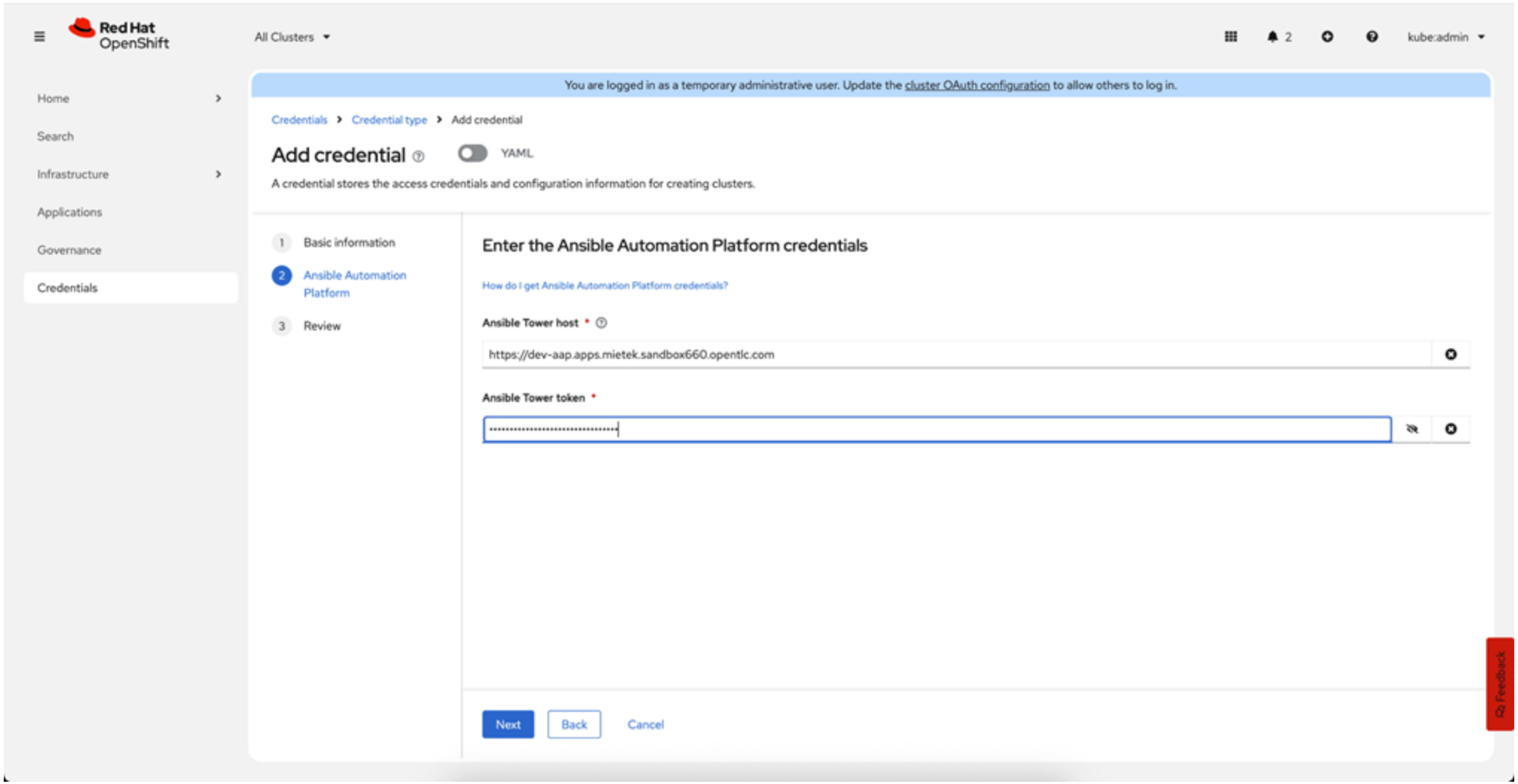

Red Hat OpenShift
local-cluster
2
kube:admin
Home
Favorites
Operators
OperatorHub
Installed Operators
Helm
Workloads
Networking
Storage
Builds
Observe
Compute
User Management
Administration
You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.
Project: aap
Installed Operators
Operator details
Ansible Automation Platform
2.5.0+0.1758147817 provided by Red Hat
Actions
Details
YAML
Subscription
Events
All instances
Automation Controller Backup
Automation Controller Restore
Automation Controller
Automation Hub
All Instances
Show operands in:
All namespaces
Current namespace only
Create new
No operands found
Operands are declarative components used to define the behavior of the application.
Automation Controller Backup
Automation Controller Restore
Automation Controller
Automation Hub
Automation Hub Backup
Automation Hub Restore
Ansible Automation Platform Backup
Ansible Automation Platform Restore
Ansible Automation Platform
Automation Controller Mesh Ingress
EDA Backup
EDA Restore
EDA
Ansible Lightspeed


Red Hat
Ansible Automation Platform
admin
Overview
Automation Execution
Automation Controller
Automation Decisions
Event-Driven Ansible
Automation Analytics
Automation Content
Automation Hub
Ansible Lightspeed
Access Management
Settings
QuickStarts
Welcome to the Ansible Automation Platform
Empower, automate, connect: Unleash possibilities with the Ansible Automation Platform.
Manage view
Resource Counts
1 Hosts
1 Ready
1 Projects
1 Ready
1 Inventories
1 Synced
Job Activity
Past month
All job types
View all Jobs
Job count
1
0.2
0.4
0.6
0.8
1.0
Jobs
Recently finished jobs
View all Jobs
There are currently no jobs
Projects
Recently updated projects
View all Projects
Name
Status
Demo Project
Success


mmartofel / rhacm-ansible-aap-2.5-setup
Type / to search
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
rhacm-ansible-aap-2.5-setup
Public
Unpin
Watch 0
Fork 0
Star 0
main
1 Branch
0 Tags
Go to file
Add file
Code
About
Red Hat AAP 2.5 and RHACM integration
openshift
redhat
aap
rhacm
Readme
Activity
0 stars
0 watching
0 forks
mmartofel add dev-aap-instance.yaml to create AAP instance
19c8388 · 3 weeks ago
14 Commits
images add screenshots 3 months ago
.DS_Store add screenshots 3 months ago
.gitignore add dev-aap-instance.yaml to create AAP instance 3 weeks ago
00-setup-awx-cli.sh finish scripts with main logic 3 months ago
01-show-aap-controller-token.sh additional comments 3 months ago
README.md add screenshots 3 months ago
dev-aap-instance.yaml add dev-aap-instance.yaml to create AAP instance 3 weeks ago
README
Red Hat Ansible Automation Platform (AAP) 2.5 integration with Red Hat Advanced Cluster Management for Kubernetes
This repository helps you quickly set up the AWX CLI (awxkit) in a Python 3.11 virtual environment and retrieve your AAP Controller API token for use with Red Hat Advanced Cluster Management (RHACM). It's a required step to create AAP credentials at RHACM. There are several important changes with API provided by AAP 2.4 and 2.5 . Following steps apply to 2.5 only. In addition to that it's handy to have awx CLI configured and ready to interact with your AAP 2.5 .
Prerequisites
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package
Languages
Shell 100.0%


Red Hat OpenShift
All Clusters
2
kube:admin
Home
Search
Infrastructure
Applications
Governance
Credentials
You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.
Credentials > Credential type
Credential type
Choose your credential type.
Amazon Web Services
Microsoft Azure
Google Cloud Platform
Red Hat OpenStack Platform
VMware vSphere
Host inventory
Red Hat OpenShift Virtualization
Red Hat Ansible Automation Platform
Red Hat OpenShift Cluster Manager
Nutanix
Feedback


Red Hat OpenShift
All Clusters
2
kube:admin
Home
Search
Infrastructure
Applications
Governance
Credentials
You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.
Credentials > Credential type > Add credential
Add credential
YAML
A credential stores the access credentials and configuration information for creating clusters.
1 Basic information
2 Ansible Automation Platform
3 Review
Enter the basic credentials information
Credential type
Red Hat Ansible Automation Platform
Credential name *
aap-local-credential
Namespace *
open-cluster-management
Next
Back
Cancel
Feedback


Red Hat OpenShift
All Clusters
2
kube:admin
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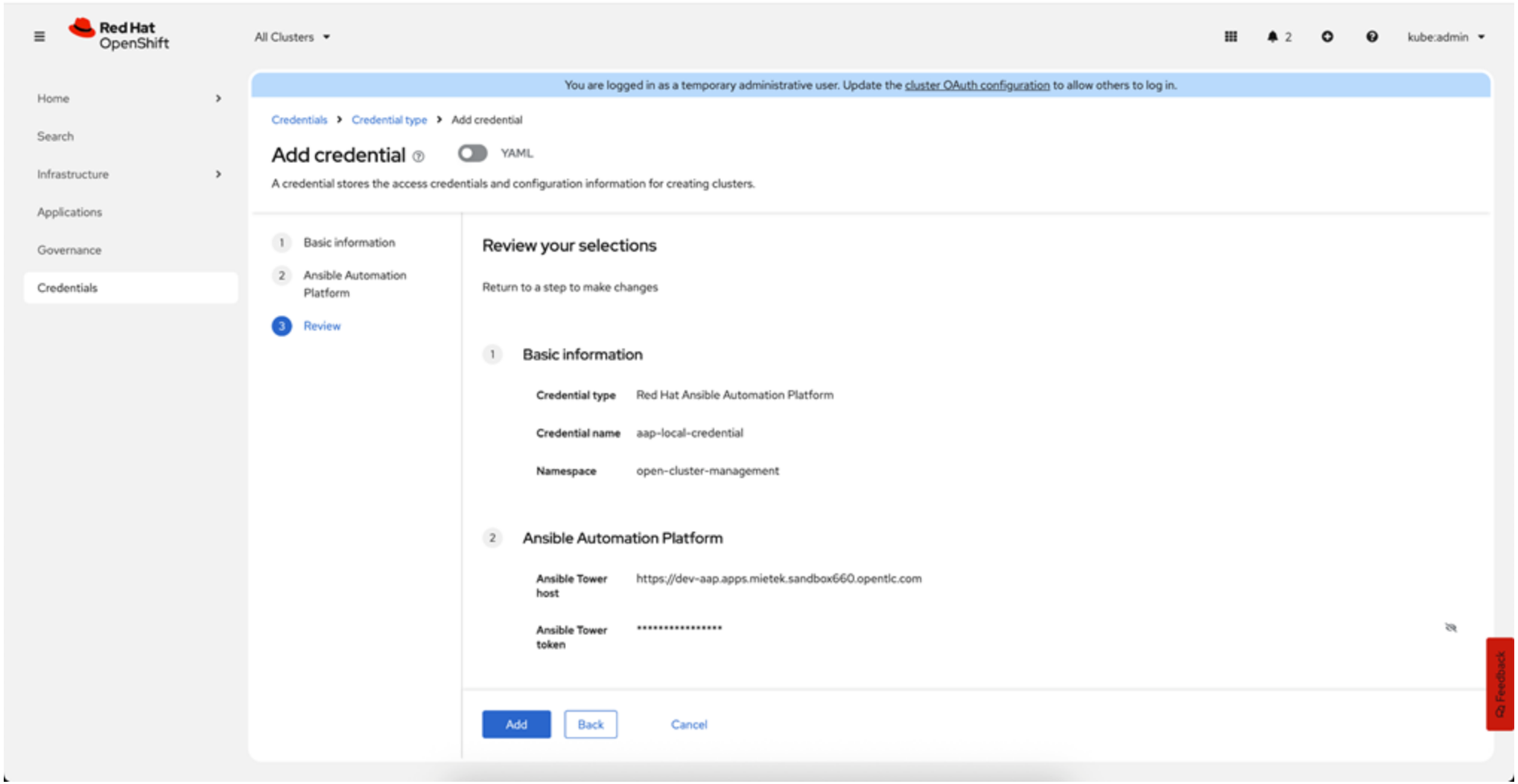
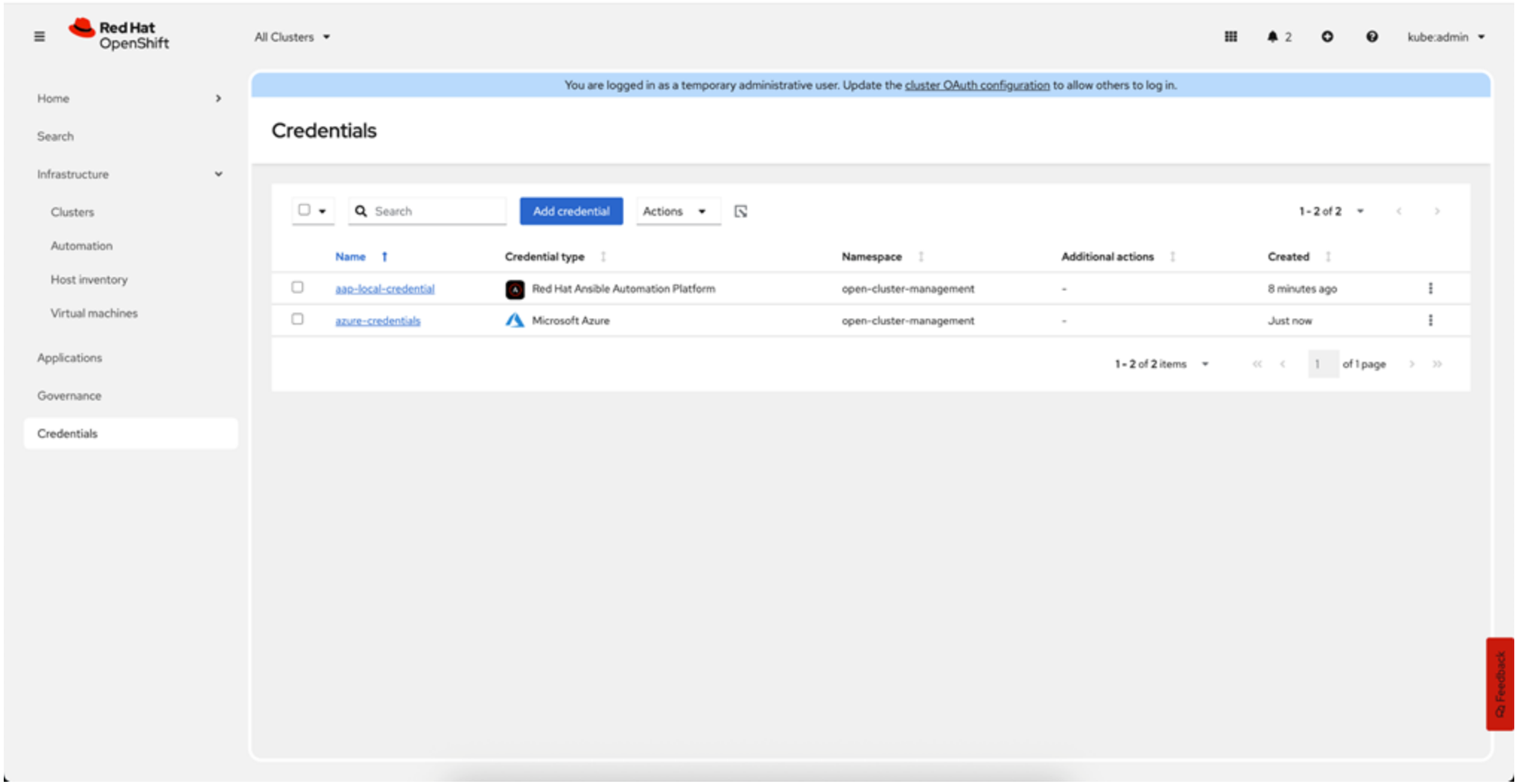
Search
Infrastructure
Applications
Governance
Credentials
You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.
Credentials > Credential type > Add credential
Add credential
YAML
A credential stores the access credentials and configuration information for creating clusters.
1 Basic information
2 Ansible Automation Platform
3 Review
Enter the Ansible Automation Platform credentials
How do I get Ansible Automation Platform credentials?
Ansible Tower host *
https://dev-aap.apps.mietek.sandbox660.opentlc.com
Ansible Tower token *
Next
Back
Cancel
Feedback


Red Hat OpenShift
All Clusters
2
kube:admin
Home
Search
Infrastructure
Applications
Governance
Credentials
You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.
Credentials > Credential type > Add credential
Add credential
YAML
A credential stores the access credentials and configuration information for creating clusters.
1 Basic information
2 Ansible Automation Platform
3 Review
Review your selections
Return to a step to make changes
1 Basic information
Credential type Red Hat Ansible Automation Platform
Credential name aap-local-credential
Namespace open-cluster-management
2 Ansible Automation Platform
Ansible Tower host https://dev-aap.apps.mietek.sandbox660.opentlc.com
Ansible Tower token ••••••••••••••••
Add
Back
Cancel
Feedback


Red Hat OpenShift
All Clusters
2
kube:admin
Home
Search
Infrastructure
Clusters
Automation
Host inventory
Virtual machines
Applications
Governance
Credentials
You are logged in as a temporary administrative user. Update the cluster OAuth configuration to allow others to log in.
Credentials
Search
Add credential
Actions
1 - 2 of 2
Name
Credential type
Namespace
Additional actions
Created
aap-local-credential
Red Hat Ansible Automation Platform
open-cluster-management
-
8 minutes ago
azure-credentials
Microsoft Azure
open-cluster-management
-
Just now
1 - 2 of 2 items
1
of 1 page
Feedback

Lets start our DEMO now ...

Red Hat Summit Connect

Thank you

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facebook.com/redhatinc

youtube.com/user/RedHatVideos

twitter.com/RedHat