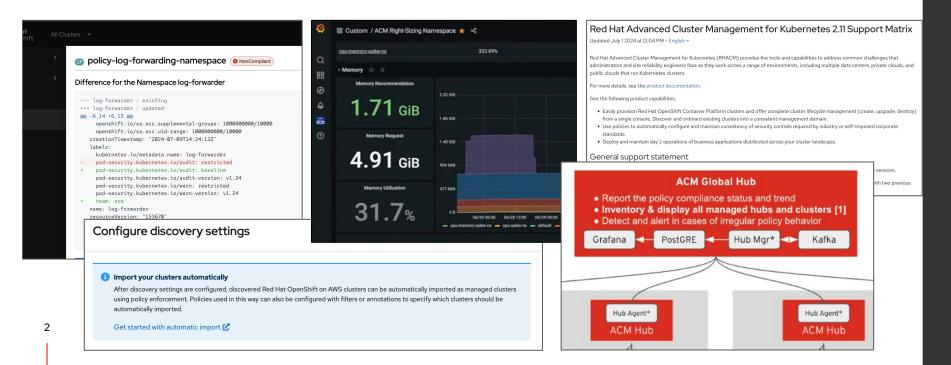
RHACM 2.11 Release Updates

ACM Product ManagementJuly 2024





Red Hat Advanced Cluster Management 2.11





Welcome to the future of Kubernetes management. It's here, and it's powered by Red Hat Advanced Cluster Management 2.11.



Red Hat Advanced Cluster Management

What's new in 2.11 - **Highlights**

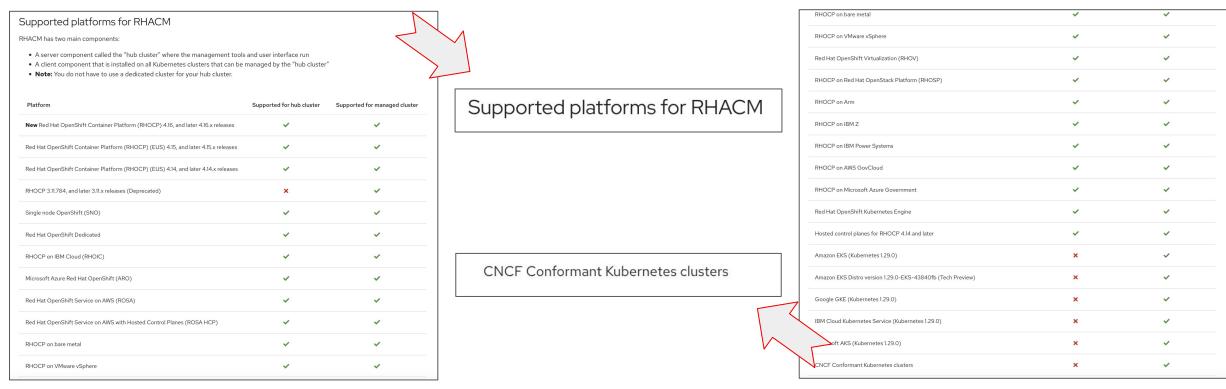


- Expanded Kubernetes <u>support matrix</u>
- Automated ROSA import DP
- Global Hub Search TP
- Enhanced OLM operator integration GA
- Policy violation debug (diff) in the UI
- OpenShift Virtualization enhancements
- Right-sizing Enhanced DP
- Fine-grained RBAC for RHACM Observability TP



Extended Support Matrix

RHACM is committed to embracing Kubernetes diversity

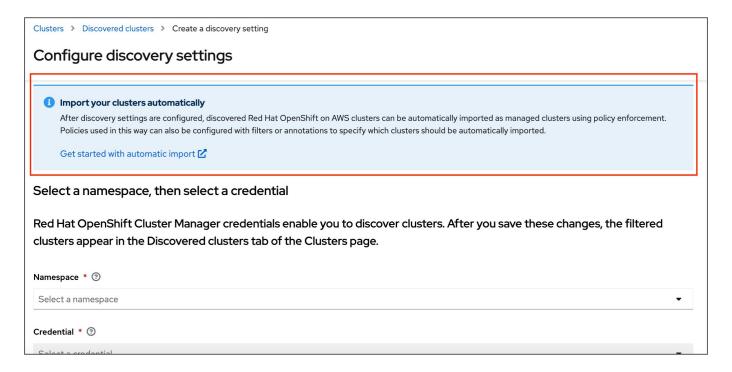


In addition to already supporting management across OpenShift and public cloud Kubernetes services, we now include an expanded <u>support matrix</u>, including support for all distributions in the <u>Certified Kubernetes Conformance Program.</u>



Automated ROSA import

Reduce time and manual errors in onboarding your existing ROSA clusters



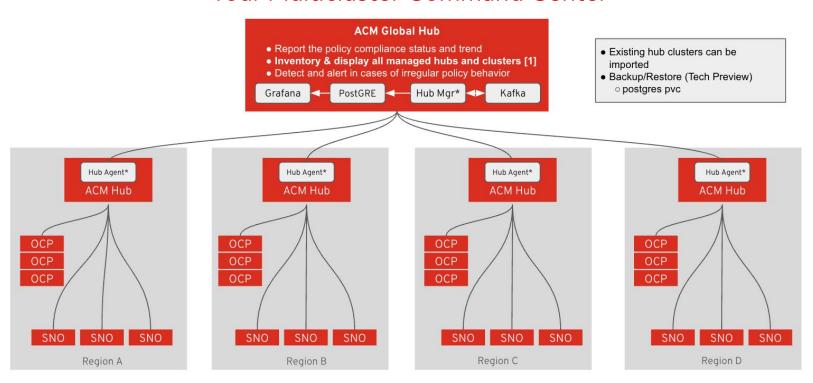
The new automated discovery and import feature scans your AWS environment, identifies ROSA clusters, and imports them automatically into the management hub.

ROSA import documentation



Global Hub - Global Search

Your Multicluster Command Center



Have a **unified management view** for all of your clusters across all hubs. Perform **cross-hub searches** to quickly find resources, regardless of location. Define and **personalize saved searches** that you regularly come back to and **export results to a CSV report** that can be used across adjacent teams.

Global Search documentation



Operator Lifecycle Manager integration

Get improved operator management with Operator Policies

```
apiVersion: policy.open-cluster-management.io/v1beta1
kind: OperatorPolicy
metadata:
   name: operatorpolicy-gatekeeper-operator
spec:
   remediationAction: inform
   severity: high
   complianceType: musthave
   subscription:
        name: gatekeeper-operator-product
        namespace: openshift-operators
        channel: stable
        source: redhat-operators
        sourceNamespace: openshift-marketplace
        upgradeApproval: Automatic
```

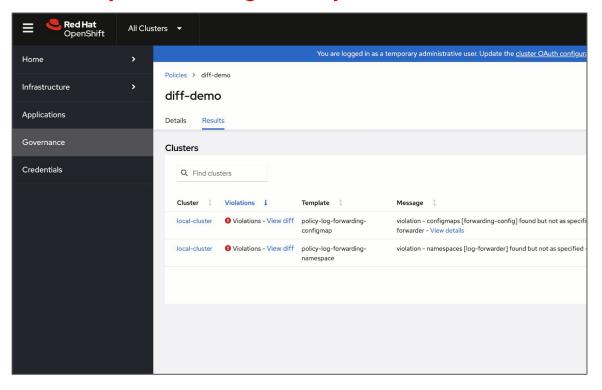
Users and customers streamline installation and management of operators at scale with native integration, ensuring seamless operations across clusters.

Operator Policy documentation



Policy violation debug

Policy "diff" now generally available in the UI



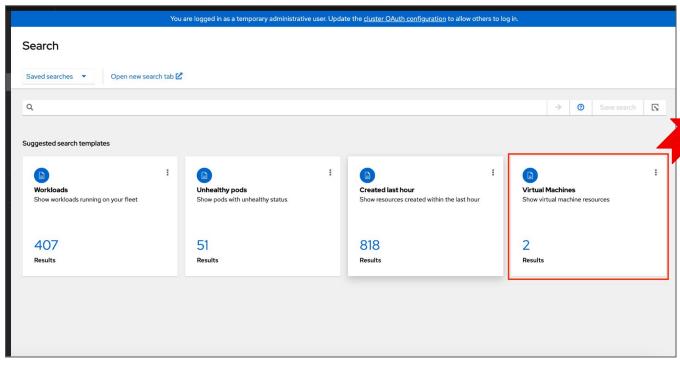
Visualize the "diff"-erence between the current state of configured resources vs. the desired state of the Policy using either the UI or API.

Policy Debug Log documentation

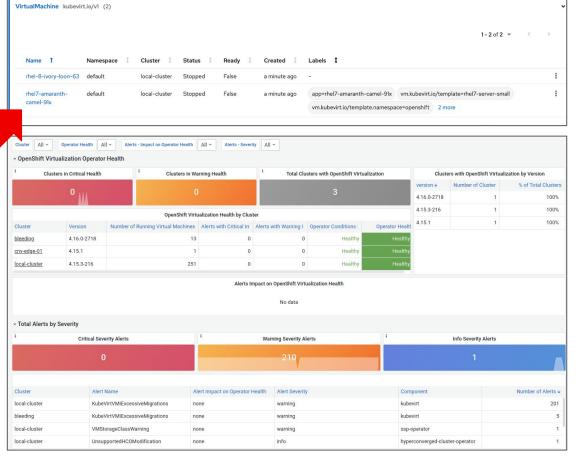


OpenShift Virtualization enhancements

Observe containerized and virtualized workloads across the hybrid cloud



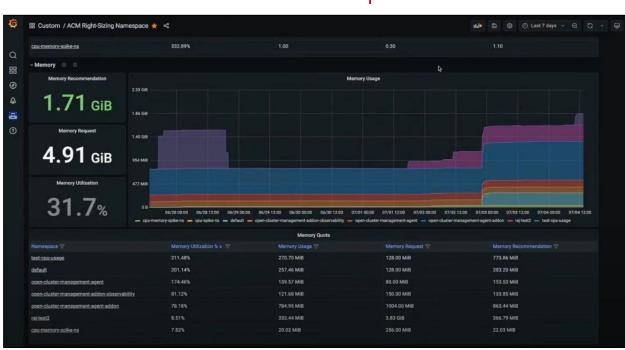
Use enhanced Search to quickly see all virtual machines on your fleet. Gain deeper insights and visibility into your OpenShift Virtualization inventory with a ready-to-use dashboard.

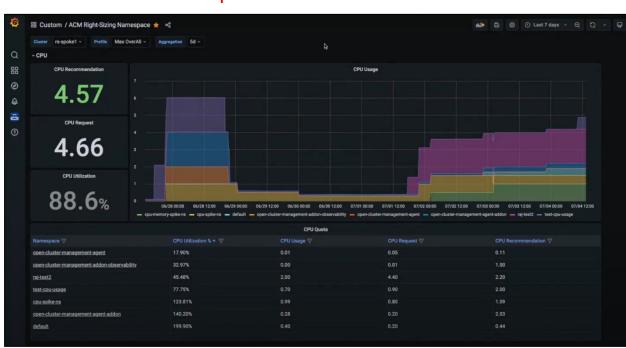




Right-sizing

Optimize resource allocation in cluster namespaces





RHACM's right-sizing analyzes cluster resource usage and provides recommendations for <u>requests and limits</u>, which can lead to significant cost savings.

Right-sizing explainer blog



Fine-grained RBAC for RHACM Observability

Enhance security and reduce cognitive load with granular control over observability access.

kind: ClusterRole
apiVersion: rbac.authorization.k8s.io/v1
metadata:
 name: ocm-metrics-access
rules:
 - verbs:
 - metrics/open-cluster-management-agent
 - metrics/open-cluster-management-agent-addon
 apiGroups:
 - cluster.open-cluster-management.io
 resources:
 - managedclusters
 resourceNames:
 - devcluster1
 - devcluster2

kind: ClusterRoleBinding
apiVersion: rbac.authorization.k8s.io/v1
metadata:
 name: ocm-metrics-access-binding
subjects:
 - kind: User
 apiGroup: rbac.authorization.k8s.io
 name: user1
roleRef:
 apiGroup: rbac.authorization.k8s.io
 kind: ClusterRole
 name: ocm-metrics-access

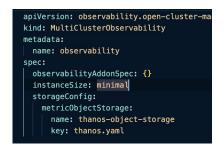
Fine-grain RBAC provides namespace-level granularity by limiting access to specific namespaces. Each team in the organization may now only see metrics restricted to their own teams.

RBAC documentation



Other Enhancements

Enhanced control and insights features



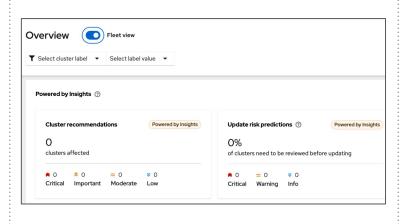
T-shirt sizing
RHACM Observability Stack

(DP)



Multi-cluster Observability for Red Hat Device Edge

(DP)



Upgrade risks in the Fleet View Powered by Red Hat Insights



Gatekeeper operator uplift 3.15.1



EUS to EUS direct upgrades in RHACM

<u>documentation</u>

These updates will help simplify operations across diverse Kubernetes environments, automate routine tasks, improve visibility into cluster health and performance and enhance their security posture.



Thank you

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