

What is cloud.redhat.com

An overview

Agenda

- What is cloud.redhat.com
 - What services / applications exist on cloud.redhat.com
 - What can you do with these services
- Settings
- Services covered
 - Insights
 - Ansible Automation Platform
 - OpenShift Cluster Manager

Overall View

Red Hat

Manage, automate, and optimize your IT

Red Hat Insights

Identify and remediate configuration issues in your Red Hat® environments.

- Dashboard
- Advisor
- Vulnerability
- Compliance
- Patch
- Drift
- Policies

Open →

Red Hat OpenShift Cluster Manager

Install, register, and manage Red Hat OpenShift® 4 clusters.

Cluster Manager

Open →

Red Hat Ansible Automation Platform

Extend your automation with analytics, content management, and policy and governance.

- Automation Analytics
- Automation Hub
- Automation Services Catalog

Open →

Subscription Watch

Account-level summaries of your Red Hat subscription utilization

- Red Hat Enterprise Linux
- Red Hat OpenShift

Open →

Insights for SAP

Leverage Red Hat Insights to manage, optimize and remediate risks to your SAP landscape.

Dashboard

Open →

Cost Management

Analyze, forecast and optimize your Red Hat OpenShift cluster costs in hybrid cloud environments.

Cost Management

Open →

Migration Services

Get recommendations on migrating your applications and infrastructure to Red Hat.

Migration Analytics

Open →

Covered by Brad next week

Settings

The screenshot displays the Red Hat Ansible Automation Platform interface. The top navigation bar includes the Red Hat logo on the left and a user profile for Brian Dumont on the right. A settings gear icon is highlighted with a red box and a red arrow pointing to the word "Settings" below it. On the left, a dark sidebar menu is also highlighted with a red box and a red arrow pointing to "Settings" below it. The main content area is titled "Sources" and features a search bar with "RBAC" entered. Below the search bar is a table with two rows of source data. The table columns are Name, Type, Applications, Date added, and Status.

Name	Type	Applications	Date added	Status
tower	Red Hat Ansible Automation Platform	Automation Services Catalog	24 days ago	OK
satellite.dumont-lab.lan	Red Hat Satellite	Remediations	2 months ago	OK

Role Based Access Control - User Access

- Inherits Users from the customer portal
 - Brought across with “default user access” role
- Roles
 - Aggregate granular permissions for service access
- Groups
 - Assign roles and users to group to complete access control

Role Examples

Roles > Remediations administrator

Remediations administrator

Perform any available operation against any Remediations resource

Permissions

Filter by permission

Application	Resource type	Operation
remediations	*	*
inventory	*	read

Roles > Remediations user

Remediations user

Perform create, view, update, delete operations against any Remediations resource.

Permissions

Filter by permission

Application	Resource type	Operation
remediations	remediation	read
remediations	remediation	write

▶ Remediations Administrator Role

- Complete access to all remediation resource types within remediations application
- Read access to inventory applications

▶ Remediations User Role

- Read and Write access to remediation resource types within Remediation application

Group Examples

Groups > Remediation Admins Group

Remediation Admins Group

Able to execute remediations

Roles Members

Name Filter by name Add role

Name

Description

Remediations administrator Perform any available operation against any Remediations resource

Remediation Admins Group

Able to execute remediations

Roles Members

Filter by username Add member

Status

Username

Active bdumont@redhat.com

Sources

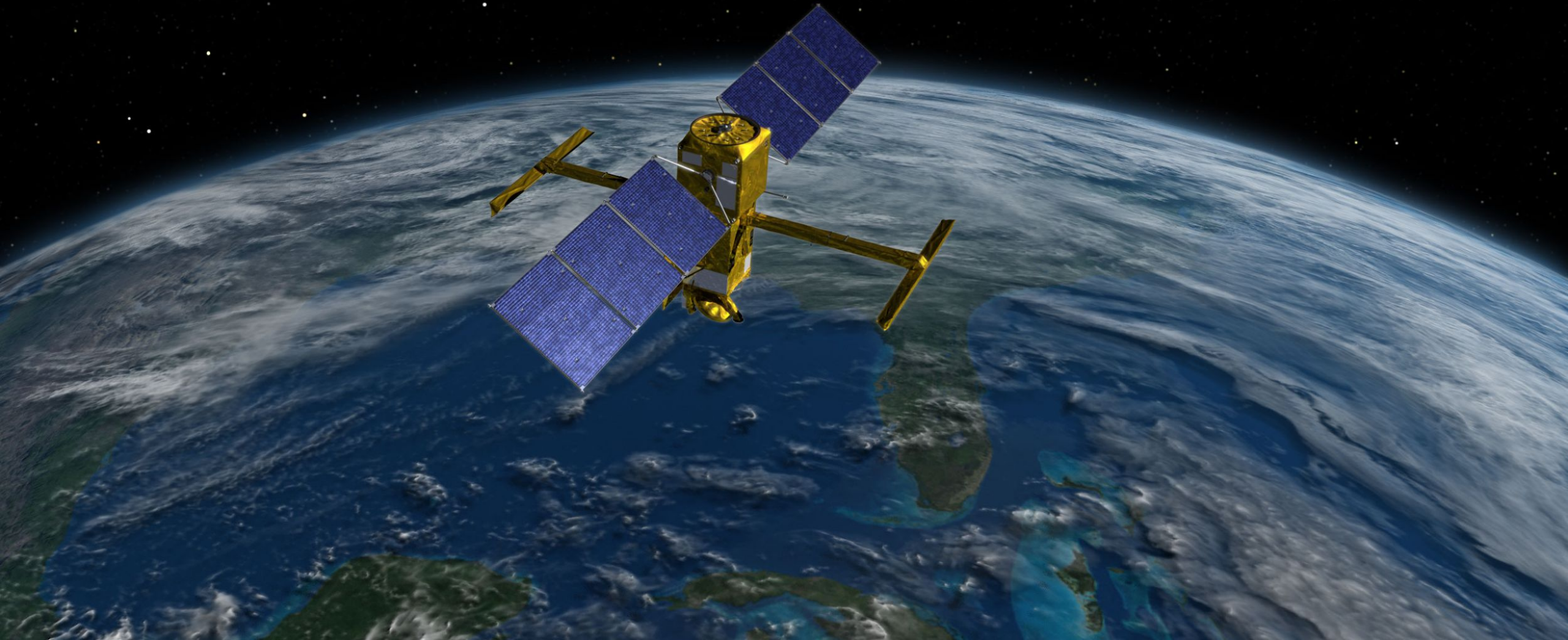
- Used in combination with applications to connect data sources to applications
- Satellite data source is added by the Cloud Connector process
- Ansible Automation Platform data source is added manually using credentials and tokens

Sources

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Insights Overview

INSIGHTS & AUTOMATION



Modern application infrastructure includes many elements and complexity. Keeping that infrastructure safe and compliant is a challenge.

Infrastructure vulnerability and compliance remediation can be achieved using a combination of smart management and orchestrated automation using Red Hat solutions.



Day 2 operations automation is critical

In high-performing organizations,
infrastructure delivery *is* software delivery:

API-driven
on-demand
infrastructure

Infrastructure as
code

Automation and
system integration

Software delivery performance metrics

Red Hat Platform Management

Life-cycled content management, automated remediation, and prescriptive analytics.

 **Red Hat**
Smart
Management

CONTENT

**BUILD A TRUSTED & SECURE
RED HAT ENVIRONMENT**

- Manage content and patches
- Provision and configure at scale
- Define and implement your SOE

 **Red Hat**
Insights

ANALYTICS

**PROACTIVE AUTOMATED
RESOLUTIONS**

- Continuous insights
- Verified knowledge
- Proactive resolution

 **Red Hat**
Ansible Automation
Platform

AUTOMATION

**CENTRALIZED AUTOMATION
GOVERNANCE**

- Centralized control
- Team & user delegation
- Audit trail



STANDARD OPERATING ENVIRONMENT (SOE)

Overview of expanded Red Hat Insights services



Advisor

Availability, performance, and stability risk analysis



Vulnerability

Assess, remediate and report on Red Hat Enterprise Linux Common Vulnerability and Exposures (CVEs)



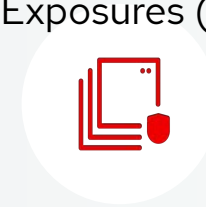
Compliance

Assess and monitor regulatory compliance, built on OpenSCAP



Drift

Create baselines and compare system profiles



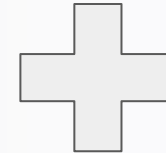
Policies

Define and monitor against your own policies to identify misalignment



Patch

Analyze for Red Hat product advisory applicability to stay up to date



Subscription Watch

Track progress of your Red Hat subscription usage efficiently and confidently.

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Covered by Brad next week

Insights system inventory

22 75% of total systems ⓘ

Systems running insights-client

⚠️ 0 stale systems

🚫 0 systems to be removed

Subscription Watch utilization summary

Red Hat Enterprise Linux

22%

Patch

28 systems affected



- 87 security advisories
- 141 bug fixes
- 8 enhancements

2 Incidents in Advisor [recommendations](#)

Total risk ⓘ

🚫 0 Critical

🚩 1 Important

🟡 9 Moderate

🟢 3 Low

Category



- 5 Availability
- 1 Stability
- 3 Performance
- 4 Security

Compliance



Protection Profile for General Purpose Operating Systems
1 system 0% passes



Health Insurance Portability and Accountability Act (HIPAA)
9 systems 0% passes

Vulnerability

185 CVEs impacting your systems



17 CVSS 8.0 - 10 150 CVSS 4.0 - 7.9 18 CVSS 0.0 - 3.9

25

Last 90 days

12

Last 30 days

0

Last 7 days

Remediations

🚫 No activity [HIPAA-2](#)

🚫 No activity [test45678](#)

✅ Success [test12345](#)
27 Oct 2020 19:01 UTC

🚫 No activity [ff](#)

[19 more remediations](#)

Dashboard

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[19 more remediations](#)

Remediations

Remediations



Search playbooks



Download playbook



1 - 18 of 18



HiPAA-2

Last modified: 5 days ago

Systems

3

Complete actions

73 of 73

Execute playbook

Download playbook

Archive playbook

test45678

Last modified: 6 days ago

Systems

1

Complete actions

4 of 4

test12345

Last modified: 6 days ago

Systems

2

Complete actions

6 of 6

demo-compliance

Last modified: 6 days ago

Systems

2

Complete actions

8 of 8

dfdd

Last modified: 6 days ago

Systems

1

Complete actions

1 of 1

compliance Insights test1

Last modified: 11 days ago

Systems

1

Complete actions

58 of 58

compliance test

Last modified: 11 days ago

Systems

0

Complete actions

0 of 0

Compliance demo

Last modified: 11 days ago

Systems

0

Complete actions

0 of 0

compliance

Last modified: 25 days ago

Systems


1

Complete actions


5 of 5

OpenShift Cluster Manager

Overall View




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- [Open](#) →
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- [Drift](#)
- [Policies](#)



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- [Migration Analytics](#)
- [Open](#) →

Covered by Brad next week

Clusters

Filter by name or ID... Filter Create cluster 1-1 of 1

Name ↑	Status	Type	Created	Version	Provider (Location)
fc2b4a43-13a7-4f74-9c01-57534e9a6f1a	Ready	OCP	01 Nov 2020	4.6.1	N/A

1-1 of 1

- Open console
- Edit display name
- Edit console URL
- Archive cluster
- Edit subscription settings
- Transfer cluster ownership

OpenShift Cluster Manager

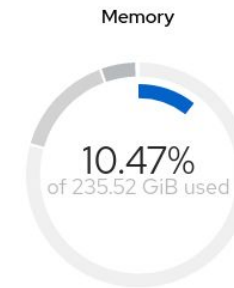
Clusters > fc2b4a43-13a7-4f74-9c01-57534e9a6f1a

fc2b4a43-13a7-4f74-9c01-57534e9a6f1a

Open console Actions

Overview Monitoring Insights Support

Resource usage



Details

Cluster ID
fc2b4a43-13a7-4f74-9c01-57534e9a6f1a

Type
OCP

Location
N/A

Provider
N/A

Version
OpenShift: 4.6.1
Life cycle state: Full support

Status
Ready


Total vCPU
36 vCPU

Total memory
235.52 GiB


Nodes
Master: 3
Compute: 3

Ansible Automation Platform

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Automation Analytics

Automation Analytics | Clusters

Filter

All clusters | Past month

Job status

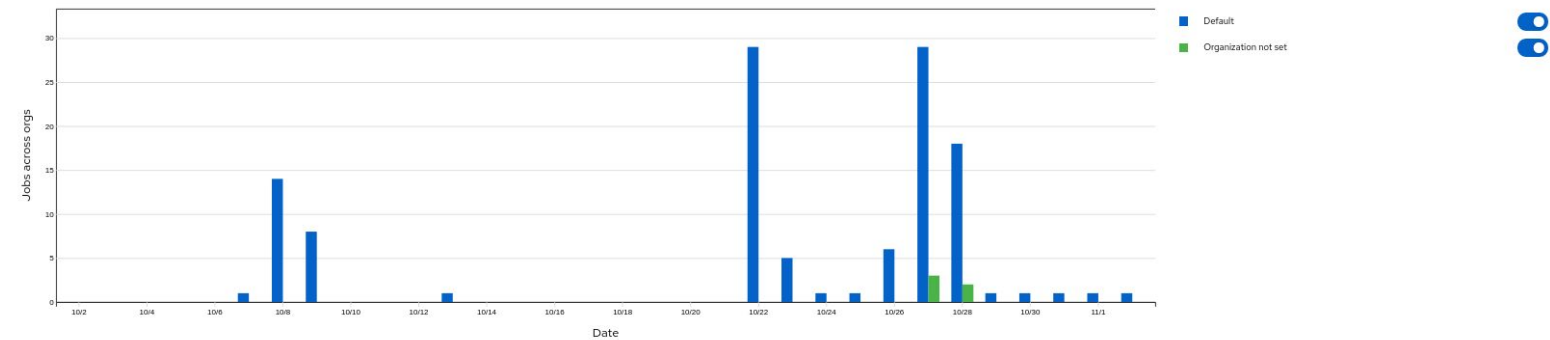


Automation Analytics | Organization Statistics

Filter

Top 5 Orgs | Past Month

Organization Status



Automation Analytics - Job Explorer

Automation Analytics | Jobs explorer

Template Filter by template 1

Ign

Status Successful x Failed x Type Playbook run x Date Last 30 days x Template HIPAA Compliance P... x Clear all filters

Id/Name	Status	Cluster	Organization	Type
> 2372 - HIPAA Compliance Playbook	Successful	192.168.77.28	Default	Playbook run
> 2366 - HIPAA Compliance Playbook	Failed	192.168.77.28	Default	Playbook run
> 2357 - HIPAA Compliance Playbook	Failed	192.168.77.28	Default	Playbook run
> 2342 - HIPAA Compliance Playbook	Successful	192.168.77.28	Default	Playbook run
> 2323 - HIPAA Compliance Playbook	Successful	192.168.77.28	Default	Playbook run

1 - 5 of 11 <<


Automation Analytics - Notifications

Automation Analytics | Notifications

Notifications 3

 **Warning**

Cluster 192.168.77.28 license remaining host capacity is only 9 hosts [🔗](#)

 **Notice**

Notifications last updated 2020-11-02T05:27:44+00:00

 **Error**













Cluster Error: No data from 192.168.77.28 in 1 day [🔗](#)

Automation Hub - Collections




Collections



















Keywords Filter by keywords



 Certified syncope Provided by Apache Syncope 1 Module 0 Roles 0 Plugins	 Certified spectrum_virtualize Provided by IBM Ansible Collections for IBM Spectrum Virtualize 11 Modules 0 Roles 2 Plugins	 Certified mso Provided by Cisco An Ansible collection for managing Cisco ACI Multi... 45 Modules 0 Roles 2 Plugins	 Certified cumulus_linux_roles Provided by Nvidia 0 Modules 17 Roles 0 Plugins	 Certified qradar Provided by IBM Ansible Security Collection for IBM Qradar SIEM 14 Modules 0 Roles 2 Plugins	 Certified sensu_go Provided by Sensu Roles and modules for installing and using Sensu G... 41 Modules 3 Roles 19 Plugins
 Certified nxos Provided by Cisco Ansible Network Collection for Cisco NXOS devices. 94 Modules 0 Roles 70 Plugins	 Certified powermax Provided by dell EMC Ansible modules for Dell EMC PowerMax 9 Modules 0 Roles 2 Plugins	 Certified power_vios Provided by IBM Ansible Content for IBM Power Systems - VIOS provi... 5 Modules 0 Roles 0 Plugins	 Certified ios Provided by Cisco Ansible Network Collection for Cisco IOS devices. 33 Modules 0 Roles 63 Plugins	 Certified tower Provided by ansible Ansible content that interacts with the AWX or Ans... 23 Modules 0 Roles 4 Plugins	 Certified nginx_core Provided by NGINX Install and configure NGINX and NGINX App Protect ... 0 Modules 3 Roles 0 Plugins

Automation Hub - Partners

Search partners   1 - 24 of 43 

 A10 Networks a10 View collections	 Amazon amazon View collections	 ansible ansible View collections	 Arista arista View collections	 Aruba arubanetworks View collections	 Microsoft azure View collections
 Check Point check_point View collections	 chocolatey chocolatey View collections	 Cisco cisco View collections	 cloud cloud View collections	 cumulusnetworks cumulusnetworks View collections	 CyberArk cyberark View collections
 dell EMC dell EMC View collections	 Dynatrace dynatrace_innovationlab View collections	 F5 Networks f5networks View collections	 Fortinet fortinet View collections	 fr fr View collections	 Google Cloud google View collections

Automation Services Catalog



Thank you

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