Firefox File Edit View History Bookmarks Tools Window Help ssh Thu 15:40 Niklaus Hirt 87° 10.5W Charged

Welcome, let's get started.

The IBM® Cloud Pak for Multicloud Management, running on Red Hat® OpenShift®, provides consistent visibility, governance, and automation from on premises to the edge. Enterprises gain capabilities such as multicluster management, event management, application management and infrastructure management. Enterprises can use this IBM Cloud Pak to help increase operational efficiency that is driven by intelligent data, analysis, and predictive golden signals, and gain built-in support for their compliance management.

Define and deploy your own applications

Use policy based deployment to automate across environments.

Docs

Be notified when problems occur

Set up procedures and automation.

Docs

Monitor your application performance

As well as your infrastructure, including components in and outside Kubernetes.

Docs

Automate cloud provisioning

Customize how you want to provision clusters and infrastructure.

Docs

Overview

Topology

Applications

Search

Clusters

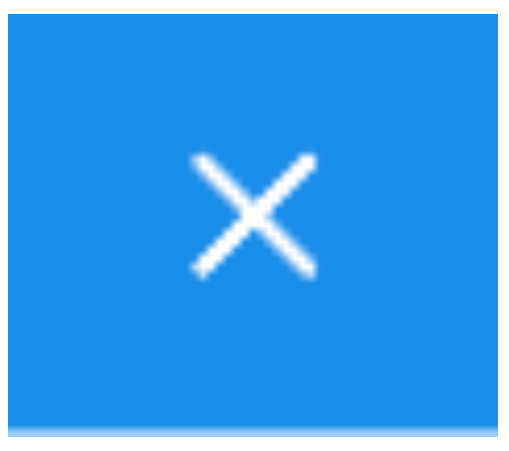
Governance and risk

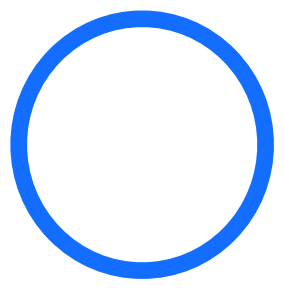
Metering

Monitoring

Helm Releases

Local Cluster





Firefox File Edit View History Bookmarks Tools Window Help ssh Thu 15:40 Niklaus Hirt Charged

IBM Multicloud Manager

https://5.39.74.54:8443/multicloud/welcome

IBM **Cloud Pak for Multicloud Management**

Create resource | Catalog

- Overview
- Topology
- Applications
- Search
- Clusters
- Governance and risk
- Metering
- Monitoring
- Helm Releases
- Local Cluster

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Docs

Web Terminal
Web version of CLI

Visual Web Terminal
CLI with enhanced visuals and interactions

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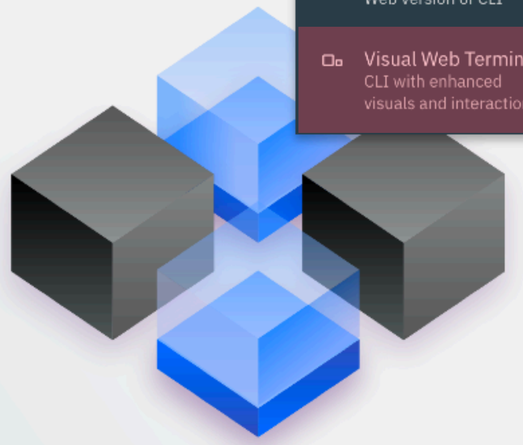

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Firefox File Edit View History Bookmarks Tools Window Help ssh Thu 15:40 Niklaus Hirt Charged

IBM Multicloud Manager

https://5.39.74.54:8443/multicloud/welcome

IBM **Cloud Pak for Multicloud Management** Create resource Catalog

Welcome, let's get started.

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Customize how you want to provision clusters and infrastructure.

Docs

End Demo

Next Topic

IBM Cloud Pak for Multicloud Management

Catalog

Search the catalog...

All Categories
AI & Watson
Blockchain
Business Automation
Data
Data Science & Analytics
DevOps
Integration
IoT
Network
Operations
Runtimes & Frameworks
Security
Storage
Tools
Other

Classification Cloud Platform Architecture Qualification Repositories Reset all

Cloud Paks

ibm-icp4i-prod

A Helm chart for the IBM Cloud Pak for Integration Navigator

Helm Charts

aqua-enforcer
ibm-community-charts
A Helm chart for the Aqua Enforcer

aqua-scanner
ibm-community-charts
A Helm chart for the aqua scanner cli component

aqua-server
ibm-community-charts
A Helm chart for the Aqua Console Componants

artifactory-ha
ibm-community-charts
Universal Repository Manager supporting all major packaging formats, build tools and CI servers.

audit-logging
mgmt-charts
Audit logging storage and search management solution

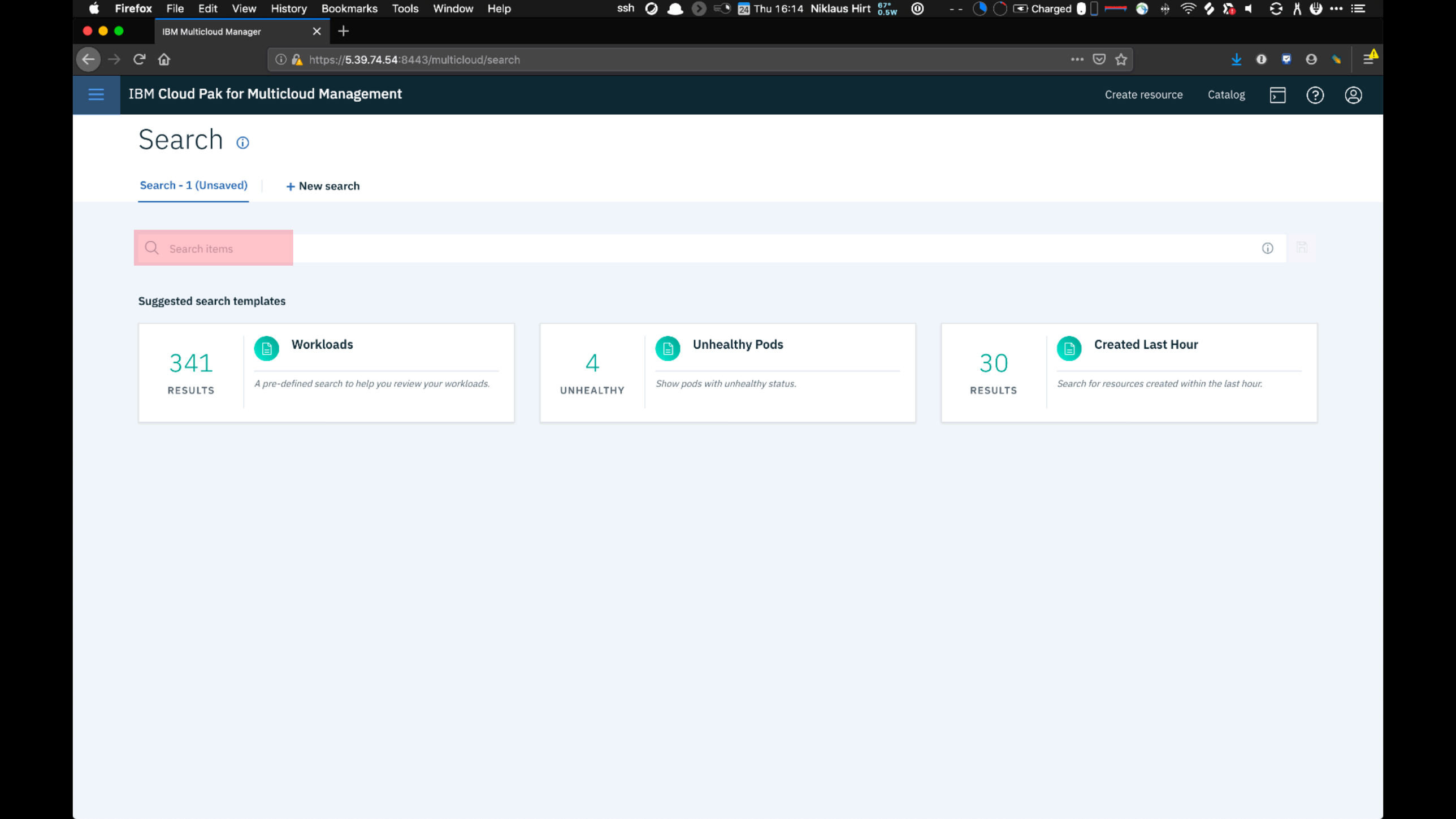
auth-apikeys
mgmt-charts
ICP IAM Token Service

auth-idp

auth-pap

auth-pdp

Dashboard


Firefox File Edit View History Bookmarks Tools Window Help
ssh Thu 16:14 Niklaus Hirt Charged
IBM Multicloud Manager
https://5.39.74.54:8443/multicloud/search
IBM Cloud Pak for Multicloud Management
Create resource
Catalog
Search
Search - 1 (Unsaved)
+ New search
Search items
Suggested search templates
341
RESULTS
Workloads
A pre-defined search to help you review your workloads.
4
UNHEALTHY
Unhealthy Pods
Show pods with unhealthy status.
30
RESULTS
Created Last Hour
Search for resources created within the last hour.

Governance and risk

Refresh every 10s | Filter

Last update: 9:51:57 AM

Create policy

Overview | Policies | Security findings

Recent activity

1	1	8	--------	--------
POLICY VIOLATIONS	CLUSTER VIOLATIONS	HIGH SEVERITY FINDINGS	MEDIUM SEVERITY FINDINGS	LOW SEVERITY FINDINGS

Top violations

Policies | Clusters

1 **rhocp5**
policy-prod

Top security findings

Security findings | Clusters

8 **Policy that is not compliant**
rhocp5 (6), fyre-prod, ibm-rhocp

Most impacted controls

Key

- Policy violations
- Security findings

Firefox File Edit View History Bookmarks Tools Window Help ssh Fri 10:17 Niklaus Hirt 82° 43.4W 1:39

Overview

System Overview

Nodes 1

100% Active

1 Active
0 Inactive

Shared Storage 60 Gi

0% Available

0 B Available
60 Gi Used
0 B Released
0 B Failed

Deployments 80

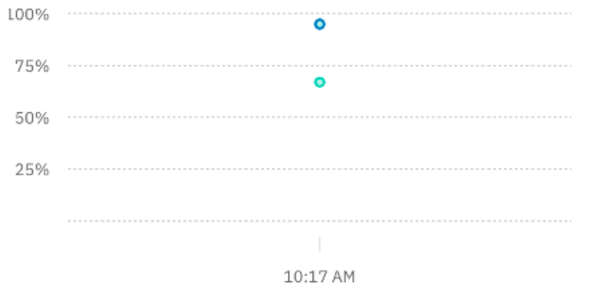
99% Healthy

79 Healthy
1 Unhealthy

Resource Overview

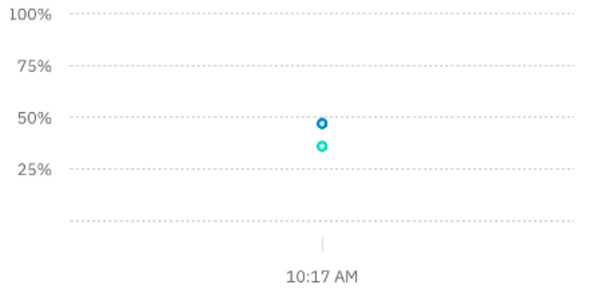
CPU 12

Utilization 8.09 CPU | 67% **Allocation** 11.41 CPU | 95%



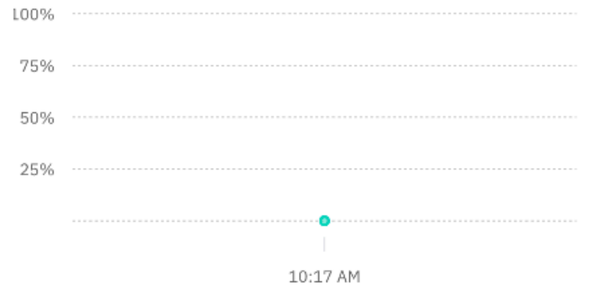
Memory 62.81 Gi

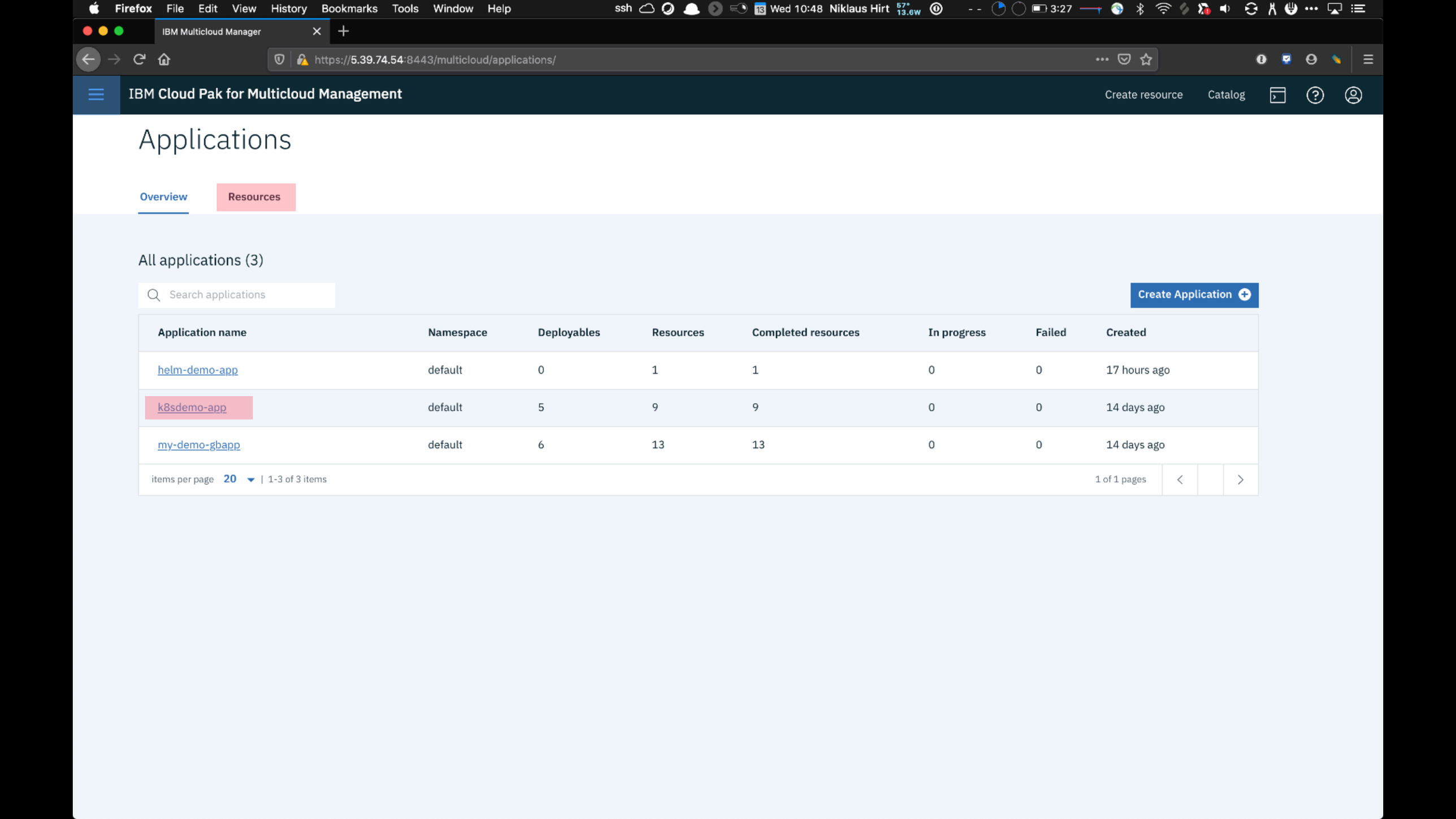
Utilization 22.74 Gi | 36% **Allocation** 29.71 Gi | 47%

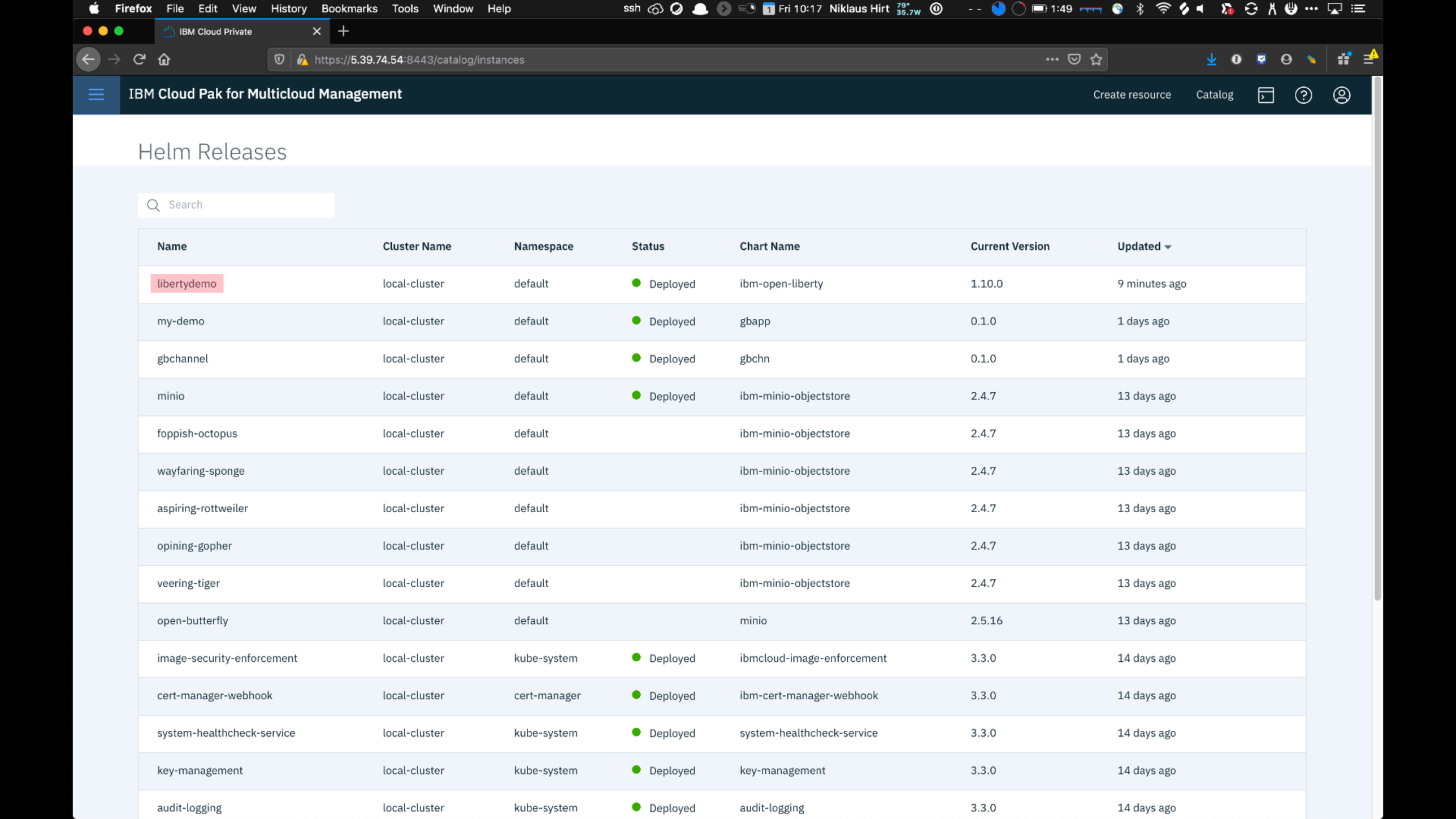


GPU 0

Utilization 0 GPU | 0% **Allocation** 0 GPU | 0%




Firefox File Edit View History Bookmarks Tools Window Help
Wed 10:48 Niklaus Hirt
IBM Multicloud Manager
https://5.39.74.54:8443/multicloud/applications/
IBM Cloud Pak for Multicloud Management
Create resource
Catalog
Applications
Overview
Resources
All applications (3)
Search applications
Create Application
Application name
Namespace
Deployables
Resources
Completed resources
In progress
Failed
Created
helm-demo-app
default
0
1
1
0
0
17 hours ago
k8sdemo-app
default
5
9
9
0
0
14 days ago
my-demo-gbapp
default
6
13
13
0
0
14 days ago
items per page 20 | 1-3 of 3 items
1 of 1 pages


Firefox File Edit View History Bookmarks Tools Window Help
Fri 10:17 Niklaus Hirt
IBM Cloud Private
https://5.39.74.54:8443/catalog/instances
IBM Cloud Pak for Multicloud Management
Create resource
Catalog
Helm Releases
Search
Name
Cluster Name
Namespace
Status
Chart Name
Current Version
Updated
libertydemo local-cluster default Deployed ibm-open-liberty 1.10.0 9 minutes ago
my-demo local-cluster default Deployed gbapp 0.1.0 1 days ago
gbchannel local-cluster default Deployed gbchn 0.1.0 1 days ago
minio local-cluster default Deployed ibm-minio-objectstore 2.4.7 13 days ago
foppish-octopus local-cluster default ibm-minio-objectstore 2.4.7 13 days ago
wayfaring-sponge local-cluster default ibm-minio-objectstore 2.4.7 13 days ago
aspiring-rottweiler local-cluster default ibm-minio-objectstore 2.4.7 13 days ago
opining-gopher local-cluster default ibm-minio-objectstore 2.4.7 13 days ago
veering-tiger local-cluster default ibm-minio-objectstore 2.4.7 13 days ago
open-butterfly local-cluster default minio 2.5.16 13 days ago
image-security-enforcement local-cluster kube-system Deployed ibmcloud-image-enforcement 3.3.0 14 days ago
cert-manager-webhook local-cluster cert-manager Deployed ibm-cert-manager-webhook 3.3.0 14 days ago
system-healthcheck-service local-cluster kube-system Deployed system-healthcheck-service 3.3.0 14 days ago
key-management local-cluster kube-system Deployed key-management 3.3.0 14 days ago
audit-logging local-cluster kube-system Deployed audit-logging 3.3.0 14 days ago

Firefox File Edit View History Bookmarks Tools Window Help ssh Thu 15:47 Niklaus Hirt Charged

IBM Multicloud Manager | Grafana - MCM: Managed Clust

https://5.39.74.54:8443/grafana/d/kube-system-mcm-clusters-monitoring/mcm-managed-cluster-monitoring?refresh=1m&orgId=1&var-cluster=rh

MCM: Managed Cluster Monitoring

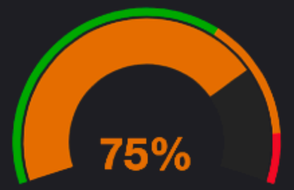
Last 5 minutes Refresh every 1m

cluster rhocp4

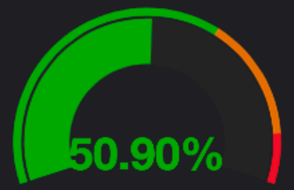
Network I/O pressure *(1 panel)*

Total usage

Cluster memory usage



Cluster CPU usage (5m avg)

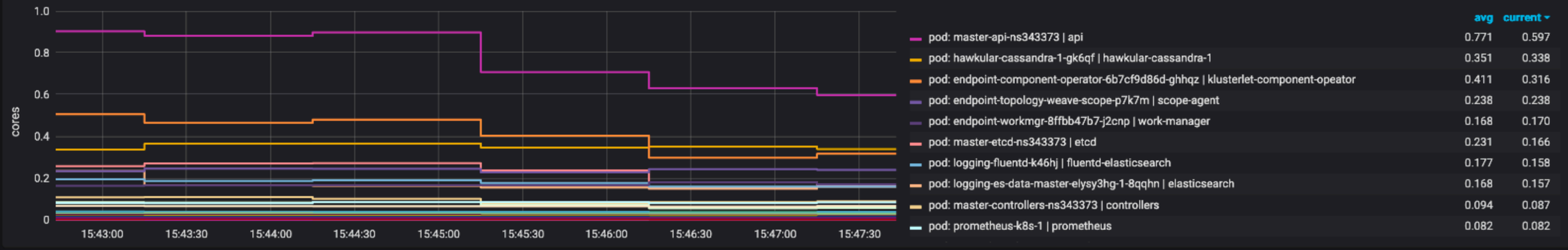


Cluster filesystem usage

Used	Total	Used	Total	Used	Total
23.42 GiB	31.25 GiB	4.07 cores	8.00 cores	N/A	N/A

Containers CPU usage

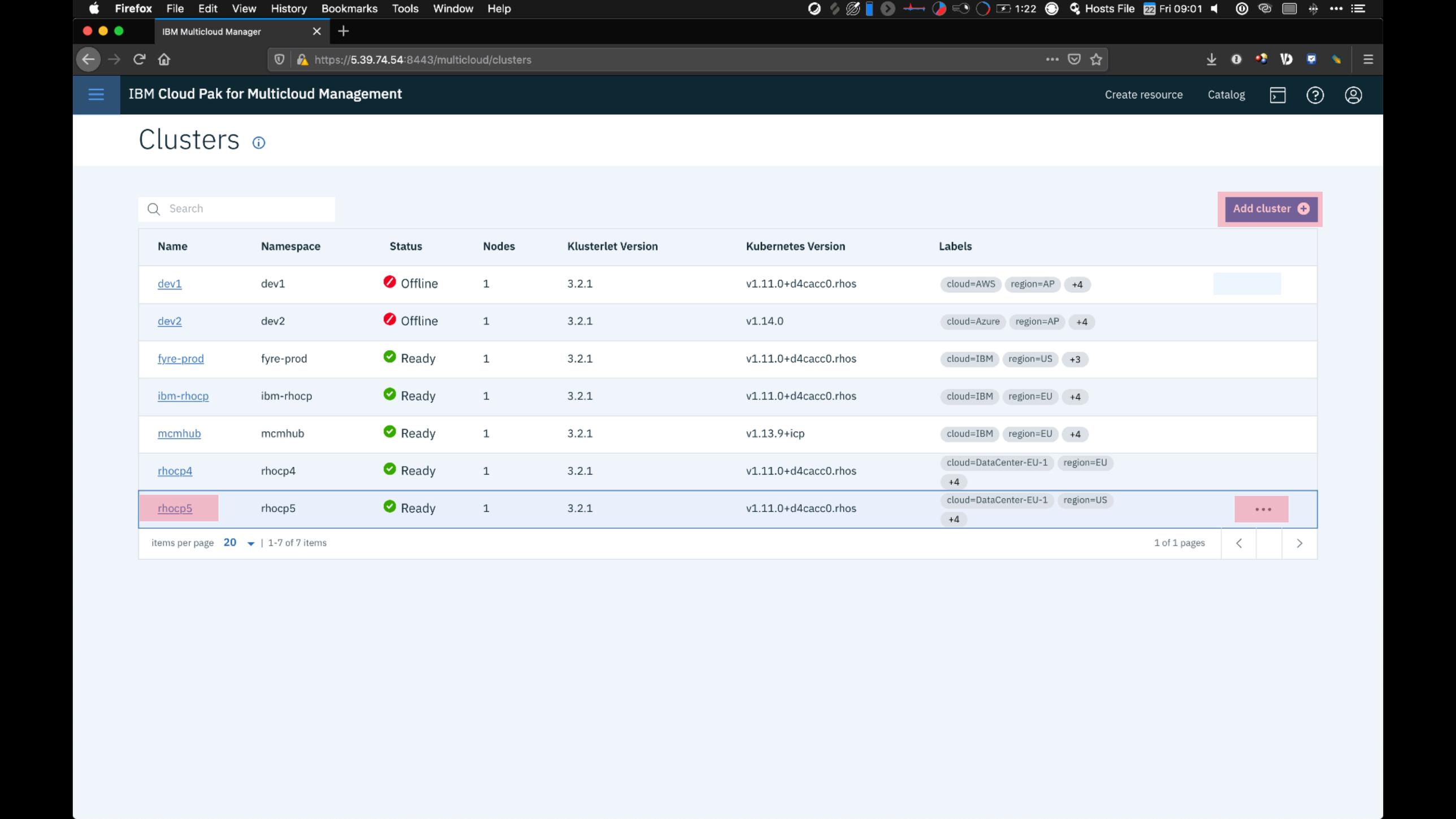
Containers CPU usage (5m avg)

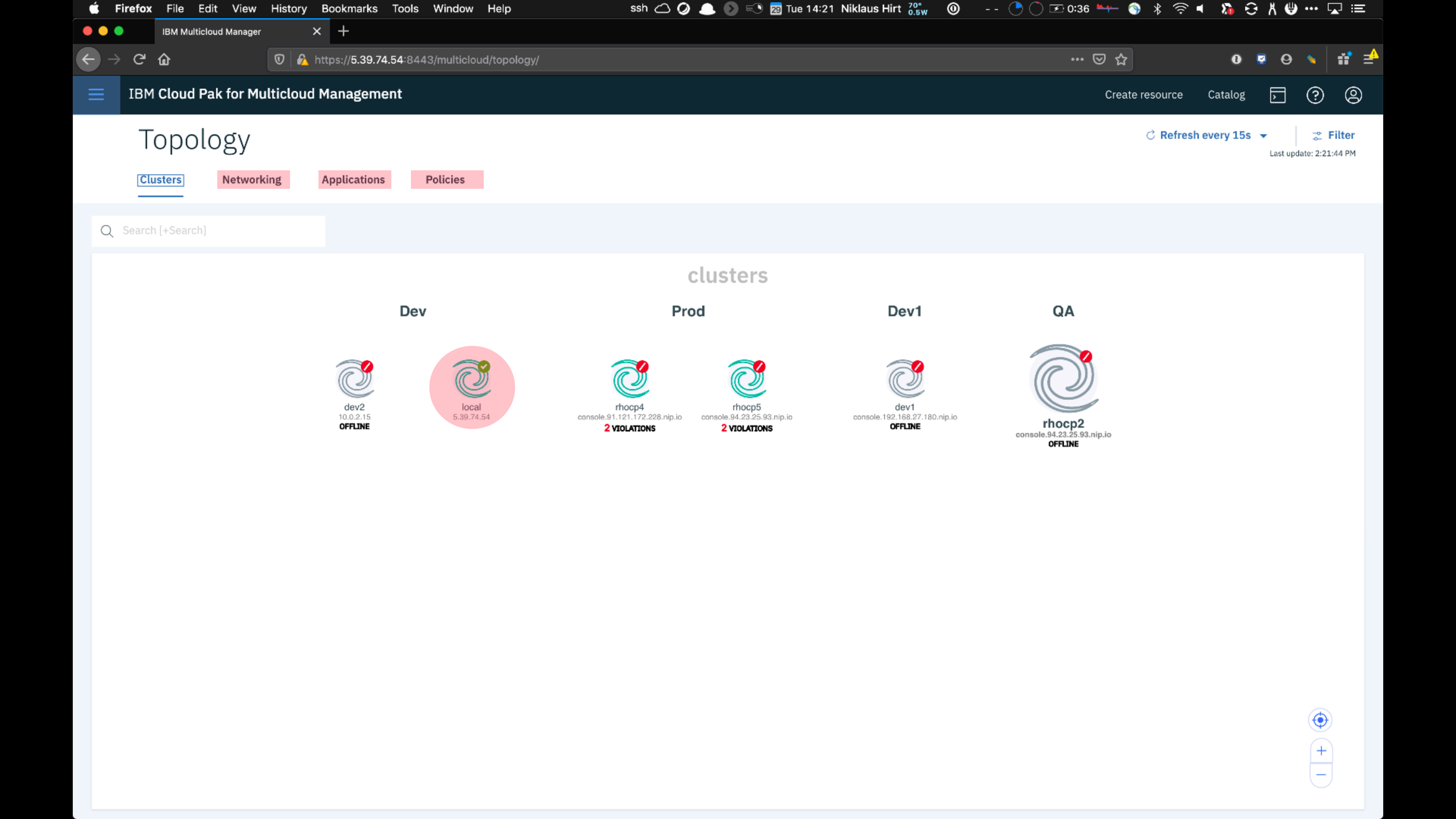


All processes CPU usage *(1 panel)*

Containers memory usage

Containers memory usage


Firefox File Edit View History Bookmarks Tools Window Help
Hosts File Fri 09:01
IBM Multicloud Manager
https://5.39.74.54:8443/multicloud/clusters
IBM Cloud Pak for Multicloud Management
Create resource
Catalog
Clusters
Search
Add cluster
Name Namespace Status Nodes Klusterlet Version Kubernetes Version Labels
dev1 dev1 Offline 1 3.2.1 v1.11.0+d4cacc0.rhos cloud=AWS region=AP +4
dev2 dev2 Offline 1 3.2.1 v1.14.0 cloud=Azure region=AP +4
fyre-prod fyre-prod Ready 1 3.2.1 v1.11.0+d4cacc0.rhos cloud=IBM region=US +3
ibm-rhocp ibm-rhocp Ready 1 3.2.1 v1.11.0+d4cacc0.rhos cloud=IBM region=EU +4
mcmhub mcmhub Ready 1 3.2.1 v1.13.9+icp cloud=IBM region=EU +4
rhocp4 rhocp4 Ready 1 3.2.1 v1.11.0+d4cacc0.rhos cloud=DataCenter-EU-1 region=EU +4
rhocp5 rhocp5 Ready 1 3.2.1 v1.11.0+d4cacc0.rhos cloud=DataCenter-EU-1 region=US +4
items per page 20 | 1-7 of 7 items
1 of 1 pages


Firefox File Edit View History Bookmarks Tools Window Help
Tue 14:21 Niklaus Hirt
IBM Multicloud Manager
https://5.39.74.54:8443/multicloud/topology/
IBM Cloud Pak for Multicloud Management
Create resource
Catalog
Topology
Refresh every 15s
Filter
Last update: 2:21:44 PM
Clusters
Networking
Applications
Policies
Search [+Search]
clusters
Dev
Prod
Dev1
QA
dev2
10.0.2.15
OFFLINE
local
5.39.74.54
rhocp4
console.91.121.172.228.nip.io
2 VIOLATIONS
rhocp5
console.94.23.25.93.nip.io
2 VIOLATIONS
dev1
console.192.168.27.180.nip.io
OFFLINE
rhocp2
console.94.23.25.93.nip.io
OFFLINE

Metering

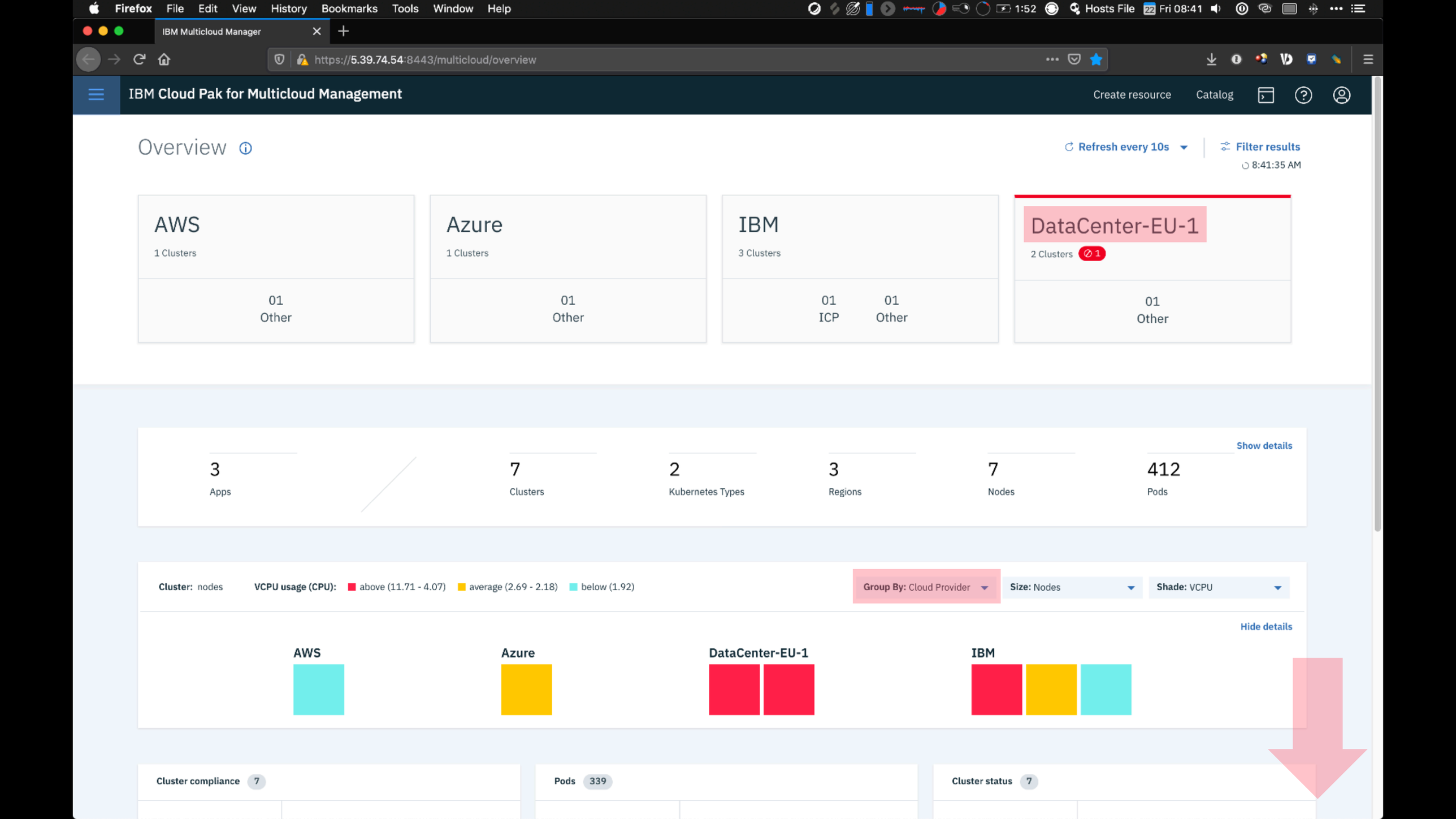
Clusters Products

Search Clusters

Download Report

Name	Available Cores	Nodes Managed	Last Update
dev1/NAMESPACE:dev1	8	1	9 hours ago
dev2/NAMESPACE:dev2	4	1	9 hours ago
fyre-prod/NAMESPACE:fyre-prod	8	1	9 hours ago
local/NAMESPACE:local	12	1	9 hours ago
macbook13-dev/NAMESPACE:macbook13-dev	4	1	9 hours ago
macbook15-dev/NAMESPACE:macbook15-dev	6	1	9 hours ago
mcmhub/NAMESPACE:mcmhub	12	1	9 hours ago
rhocp2/NAMESPACE:rhocp2	8	1	9 hours ago
rhocp4/NAMESPACE:rhocp4	8	1	9 hours ago
rhocp5/NAMESPACE:rhocp5	8	1	9 hours ago

items per page 20 | 1-10 of 10 items


Firefox File Edit View History Bookmarks Tools Window Help
IBM Multicloud Manager
https://5.39.74.54:8443/multicloud/overview
IBM Cloud Pak for Multicloud Management
Create resource
Catalog
Overview
Refresh every 10s
Filter results
8:41:35 AM
AWS
1 Clusters
01
Other
Azure
1 Clusters
01
Other
IBM
3 Clusters
01
ICP
01
Other
DataCenter-EU-1
2 Clusters
1
01
Other
Show details
3
Apps
7
Clusters
2
Kubernetes Types
3
Regions
7
Nodes
412
Pods
Cluster: nodes
VCPU usage (CPU):
above (11.71 - 4.07)
average (2.69 - 2.18)
below (1.92)
Group By: Cloud Provider
Size: Nodes
Shade: VCPU
Hide details
AWS
Azure
DataCenter-EU-1
IBM
Cluster compliance
7
Pods
339
Cluster status
7