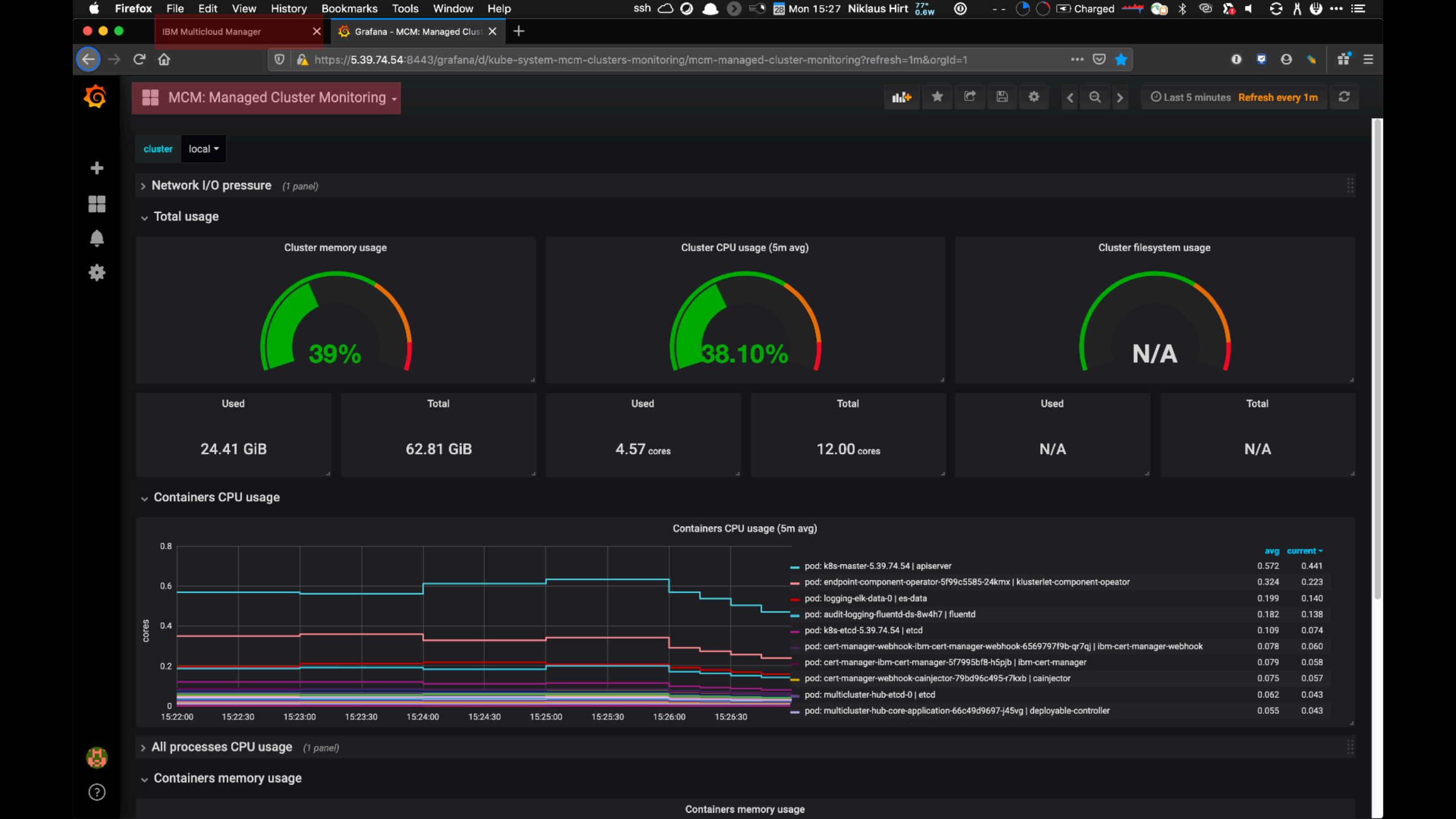
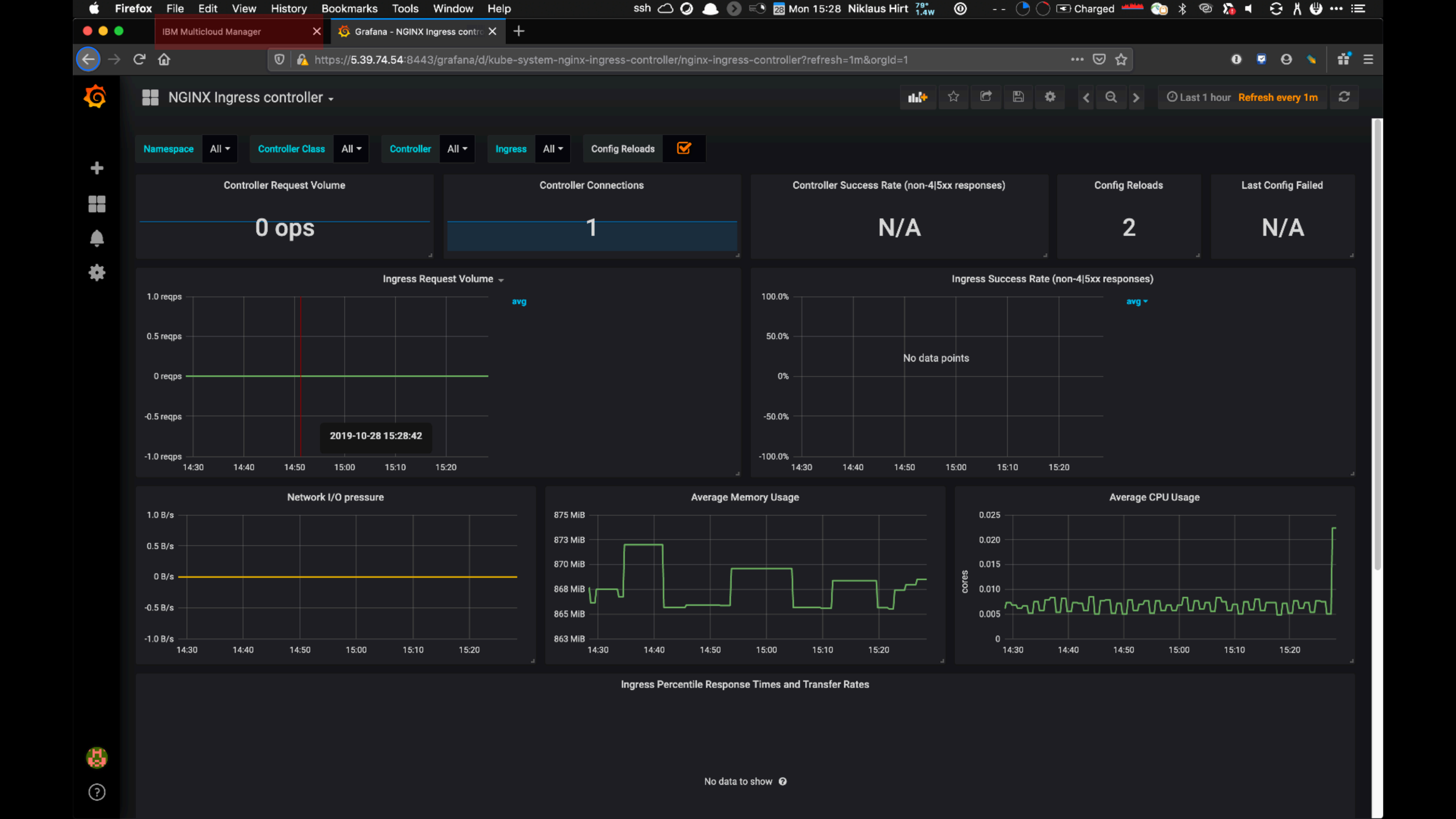

Firefox File Edit View History Bookmarks Tools Window Help
Mon 15:27 Niklaus Hirt
Charged
IBM Multicloud Manager
Grafana - MCM: Managed Clust
https://5.39.74.54:8443/grafana/d/kube-system-mcm-clusters-monitoring/mcm-managed-cluster-monitoring?refresh=1m&orgId=1
MCM: Managed Cluster Monitoring
Last 5 minutes
Refresh every 1m
cluster
local
Network I/O pressure (1 panel)
Total usage
Cluster memory usage
39%
Cluster CPU usage (5m avg)
38.10%
Cluster filesystem usage
N/A
Used
24.41 GiB
Total
62.81 GiB
Used
4.57 cores
Total
12.00 cores
Used
N/A
Total
N/A
Containers CPU usage
Containers CPU usage (5m avg)
cores
0.8
0.6
0.4
0.2
0
15:22:00
15:22:30
15:23:00
15:23:30
15:24:00
15:24:30
15:25:00
15:25:30
15:26:00
15:26:30
avg
current
pod: k8s-master-5.39.74.54 | apiserver 0.572 0.441
pod: endpoint-component-operator-5f99c5585-24kmx | klusterlet-component-opeator 0.324 0.223
pod: logging-elk-data-0 | es-data 0.199 0.140
pod: audit-logging-fluentd-ds-8w4h7 | fluentd 0.182 0.138
pod: k8s-etcd-5.39.74.54 | etcd 0.109 0.074
pod: cert-manager-webhook-ibm-cert-manager-webhook-6569797f9b-qr7qj | ibm-cert-manager-webhook 0.078 0.060
pod: cert-manager-ibm-cert-manager-5f7995bf8-h5pjb | ibm-cert-manager 0.079 0.058
pod: cert-manager-webhook-cainjector-79bd96c495-r7kxb | cainjector 0.075 0.057
pod: multicluster-hub-etcd-0 | etcd 0.062 0.043
pod: multicluster-hub-core-application-66c49d9697-j45vg | deployable-controller 0.055 0.043
All processes CPU usage (1 panel)
Containers memory usage
Containers memory usage


Firefox File Edit View History Bookmarks Tools Window Help
Mon 15:28 Niklaus Hirt
Charged
IBM Multicloud Manager
Grafana - NGINX Ingress contro
https://5.39.74.54:8443/grafana/d/kube-system-nginx-ingress-controller/nginx-ingress-controller?refresh=1m&orgId=1
NGINX Ingress controller
Last 1 hour
Refresh every 1m
Namespace All
Controller Class All
Controller All
Ingress All
Config Reloads
Controller Request Volume
0 ops
Controller Connections
1
Controller Success Rate (non-4|5xx responses)
N/A
Config Reloads
2
Last Config Failed
N/A
Ingress Request Volume
avg
1.0 reqps
0.5 reqps
0 reqps
-0.5 reqps
-1.0 reqps
2019-10-28 15:28:42
14:30
14:40
14:50
15:00
15:10
15:20
Ingress Success Rate (non-4|5xx responses)
avg
100.0%
50.0%
0%
-50.0%
-100.0%
No data points
Network I/O pressure
1.0 B/s
0.5 B/s
0 B/s
-0.5 B/s
-1.0 B/s
Average Memory Usage
875 MiB
873 MiB
870 MiB
868 MiB
865 MiB
863 MiB
Average CPU Usage
cores
0.025
0.020
0.015
0.010
0.005
0
Ingress Percentile Response Times and Transfer Rates
No data to show

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.

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

Firefox File Edit View History Bookmarks Tools Window Help

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)*

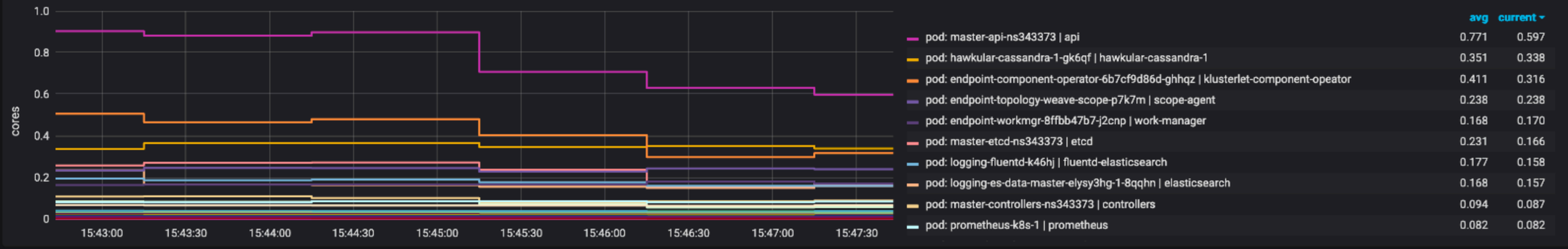
Total usage

Cluster memory usage	Cluster CPU usage (5m avg)	Cluster filesystem usage
75%	50.90%	N/A

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)



	avg	current
pod: master-api-ns343373 | api	0.771	0.597
pod: hawkular-cassandra-1-gk6qf | hawkular-cassandra-1	0.351	0.338
pod: endpoint-component-operator-6b7cf9d86d-ghhqz | klusterlet-component-opeator	0.411	0.316
pod: endpoint-topology-weave-scope-p7k7m | scope-agent	0.238	0.238
pod: endpoint-workmgr-8ffbb47b7-j2cnp | work-manager	0.168	0.170
pod: master-etcd-ns343373 | etcd	0.231	0.166
pod: logging-fluentd-k46hj | fluentd-elasticsearch	0.177	0.158
pod: logging-es-data-master-elysy3hg-1-8qqhn | elasticsearch	0.168	0.157
pod: master-controllers-ns343373 | controllers	0.094	0.087
pod: prometheus-k8s-1 | prometheus	0.082	0.082

All processes CPU usage *(1 panel)*

Containers memory usage

Containers memory usage