

Hello Prime Factor Calculator

This is a sample application for demonstrating multi container applications on Kubernetes in Azure.

It is calculating prime factors in Dotnet Core, NodeJS and GO!

[Learn more »](#)

Random start number

3348886

keep posting in a loop

loop frequency 200 ms



Request prime factors

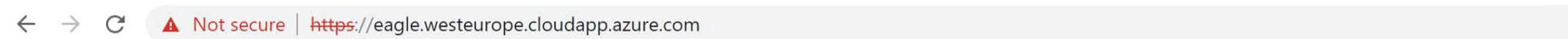
Result

Version	Value	Host	Timestamp
1.0	[2,2,2429771]	netcorecalcbbackend-v1-7cb7b98787-wdd4t	2019-06-03 19:40:35Z

Orders

225417

2019-06-03 19:16:44.129961473 +0000 UTC m=+315.841292634



Welcome to nginx!

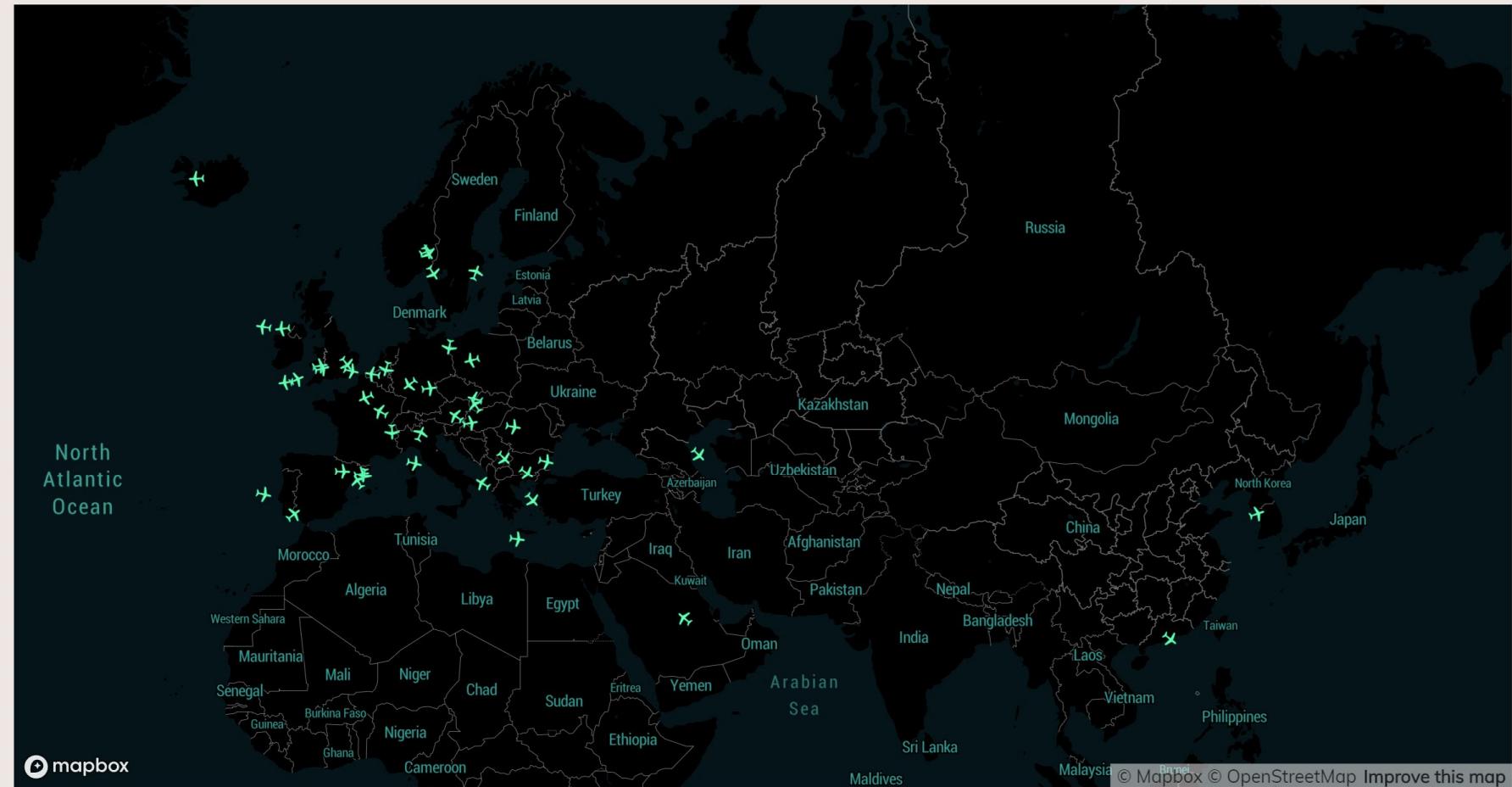
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

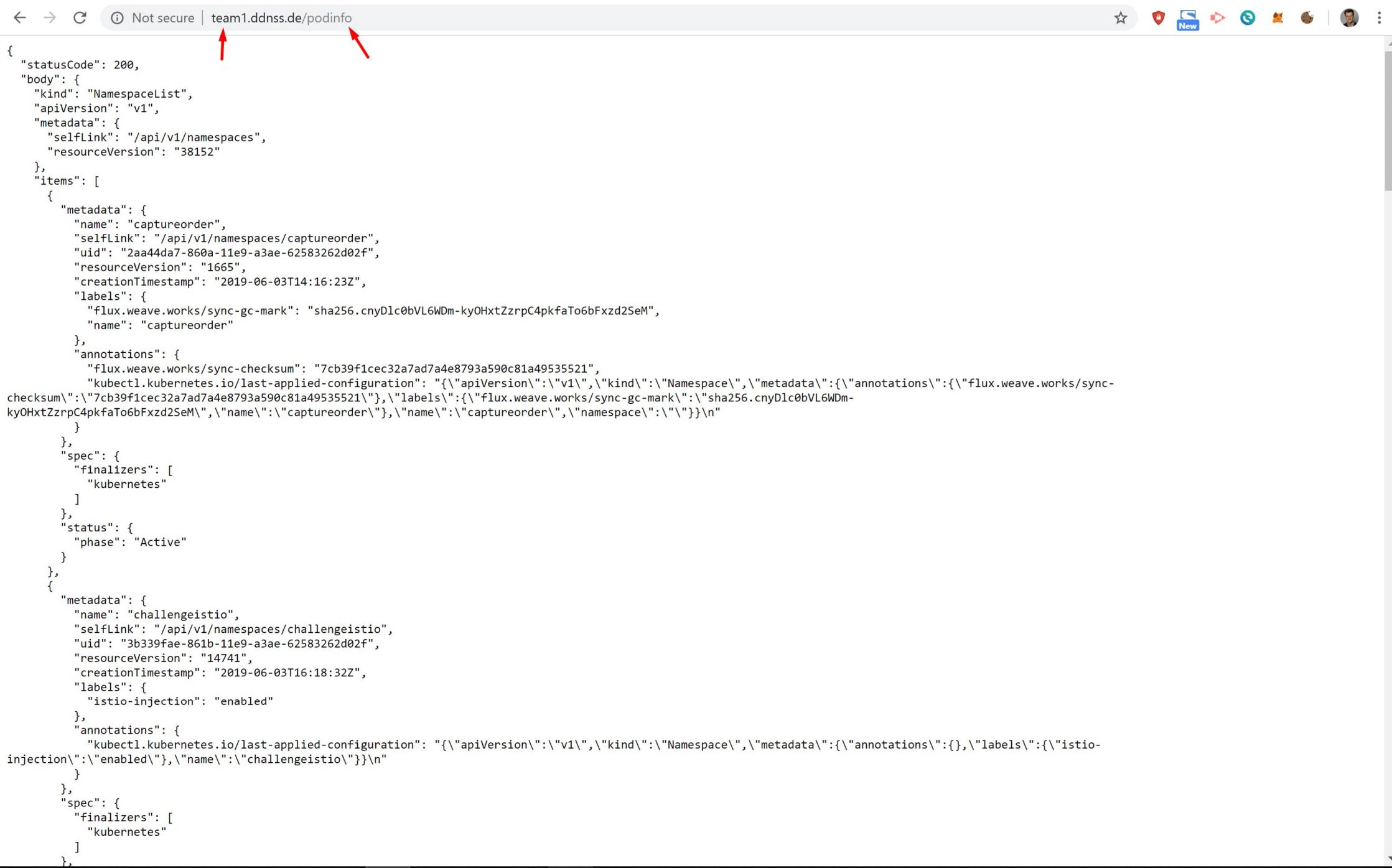
Thank you for using nginx.

 DASHBOARD FLIGHTS EARTHQUAKES WEATHER PROFILE

FLIGHT MAP

[Back to Dashboard](#)[Github Repo](#) 

Not secure | team1.ddnss.de/podinfo



```
{ "statusCode": 200, "body": { "kind": "NamespaceList", "apiVersion": "v1", "metadata": { "selfLink": "/api/v1/namespaces", "resourceVersion": "38152" }, "items": [ { "metadata": { "name": "captureorder", "selfLink": "/api/v1/namespaces/captureorder", "uid": "2aa44da7-860a-11e9-a3ae-62583262d02f", "resourceVersion": "1665", "creationTimestamp": "2019-06-03T14:16:23Z", "labels": { "flux.weave.works/sync-gc-mark": "sha256.cnyDlc0bVL6WDm-ky0HxtZzrpC4pkfaTo6bFxzd2SeM", "name": "captureorder" }, "annotations": { "flux.weave.works/sync-checksum": "7cb39f1cec32a7ad7a4e8793a590c81a49535521", "kubectl.kubernetes.io/last-applied-configuration": "{\"apiVersion\":\"v1\",\"kind\":\"Namespace\",\"metadata\":{\"annotations\":{\"flux.weave.works/sync-checksum\":\"7cb39f1cec32a7ad7a4e8793a590c81a49535521\"},\"labels\":{\"flux.weave.works/sync-gc-mark\":\"sha256.cnyDlc0bVL6WDm-ky0HxtZzrpC4pkfaTo6bFxzd2SeM\"},\"name\":\"captureorder\"},\"name\":\"captureorder\",\"namespace\":\"\"}\n" } }, "spec": { "finalizers": [ "kubernetes" ] }, "status": { "phase": "Active" } }, { "metadata": { "name": "challengeistio", "selfLink": "/api/v1/namespaces/challengeistio", "uid": "3b339fae-861b-11e9-a3ae-62583262d02f", "resourceVersion": "14741", "creationTimestamp": "2019-06-03T16:18:32Z", "labels": { "istio-injection": "enabled" }, "annotations": { "kubectl.kubernetes.io/last-applied-configuration": "{\"apiVersion\":\"v1\",\"kind\":\"Namespace\",\"metadata\":{\"annotations\":{},\"labels\":{\"istio-injection\":\"enabled\"},\"name\":\"challengeistio\"}}\n" } }, "spec": { "finalizers": [ "kubernetes" ] }
```

Microsoft Azure

Search resources, services, and docs

Home > eagle2 - Repositories

eagle2 - Repositories

Container registry

Search (Ctrl+ /)

Refresh

Search to filter repositories ...

REPOSITORIES

- sky/data_api
- sky/flights_api
- sky/quakes_api
- sky/service_tracker_ui
- sky/weather_api

Overview

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Application Insights

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Virtual machines

Disk

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API Management services

Resource Graph Explorer

Florian.Boehm@pla...
PLANB. GMBH

The screenshot shows the Microsoft Azure portal interface. The left sidebar contains a navigation menu with various service icons and names. A red box highlights the 'Container registries' icon. In the main content area, the 'eagle2 - Repositories' page is displayed for a 'Container registry'. The left sidebar under 'Services' has a red box around the 'Repositories' item. The main content area shows a list of repositories with a red box around them. The repositories listed are: sky/data_api, sky/flights_api, sky/quakes_api, sky/service_tracker_ui, and sky/weather_api.

Azure DevOps

FlorianBoehmack / sky / Pipelines / Builds

Search all pipelines

Overview Boards Repos Pipelines Builds Releases Library Task groups Deployment groups Test Plans Artifacts

sky

sky-yaml CI

History Analytics

Commit Build #

Commit	Build #
remove resources Manual build for Florian Böhmk	20190603.1
remove resources Manual build for Florian Böhmk	20190515.1
remove resources CI build for Florian Böhmk	20190514.6
change resources Manual build for Florian Böhmk	20190514.5
change resources CI build for Florian Böhmk	20190514.4
cleanup and change repository server CI build for Florian Böhmk	20190514.3
change to yaml Manual build for Florian Böhmk	20190514.2
increase replica Manual build for Florian Böhmk	20190514.1

FB Edit Queue

Azure DevOps

FlorianBoehmka / sky / Pipelines

Search

S sky

Overview

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Project settings

... > data-api > data-api CI

YAML Variables Triggers History | Save & queue Discard Summary Queue ...

Variable groups

Predefined variables

Name	Value
ACR eagle (3)	
dockerPass	*****
dockerUser	eagle2
registryServer	eagle2.azurecr.io

Link variable group | Manage variable groups

The screenshot shows the Azure DevOps Pipelines interface for a project named 'sky'. The pipeline is named 'data-api CI'. The 'Variables' tab is selected. A red box highlights the 'Variable groups' section. Another red box highlights the 'ACR eagle (3)' variable group, which contains three variables: 'dockerPass' (value: *****), 'dockerUser' (value: eagle2), and 'registryServer' (value: eagle2.azurecr.io). The 'Link variable group' and 'Manage variable groups' buttons are visible at the bottom of the variable group list.

S sky



All pipelines > ⚡ sky CD (helm)



Create release

View releases



Pipeline

Tasks

Variables

Retention

Options

History

Artifacts | + Add

Stages | + Add ▾



_sky-helm CI



_sky_flights_api



_sky_quakes_api



_sky_service_tracker_ui



Stages | + Add ▾

production

1 job, 3 tasks



Overview

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Azure DevOps

FlorianBoehm / sky / Pipelines

Search

S sky +

Overview Boards Repos Pipelines Builds Releases Library Task groups Deployment groups Test Plans Artifacts Project settings

All pipelines > sky CD (helm)

Pipeline Tasks Variables Retention Options History

production Deployment process

Agent job Run on agent

Install Helm 2.9.1 Helm tool installer

helm init Package and deploy Helm charts

helm upgrade Package and deploy Helm charts

Package and deploy Helm charts

Task version 0.*

Display name * helm init

Kubernetes Cluster ^

Connection Type * Azure Resource Manager

Azure subscription * Manage sky

Scoped to resource group 'eagle-cluster'

Resource group * eagle-cluster

Kubernetes cluster * eagle

Namespace Namespace

Commands ^

This screenshot shows the Azure DevOps Pipelines interface for a project named 'sky'. The 'Tasks' tab is active, displaying a list of steps in a deployment pipeline named 'sky CD (helm)'. One step, 'helm init', is currently being configured. The configuration pane on the right allows setting the task version (0.*), display name (set to 'helm init'), and selecting the Kubernetes Cluster (set to 'Azure Resource Manager'). It also shows the Azure subscription ('sky') and resource group ('eagle-cluster') associated with the task. Other fields like 'Namespace' and 'Commands' are present but empty.

S sky +

- Overview
- Boards
- Repos
- Pipelines
- Builds
- Releases**
- Library
- Task groups
- Deployment groups
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- Artifacts

Project settings <<

Search all pipelines New

sky CD (helm)

Releases Deployments Analytics

All releases :

Releases	Created	Stages
Release-17 FB 20190515... ↗ master	2019-06-03 20:49	
Release-16 FB 20190515... ↗ master	2019-06-03 20:46	
Release-15 FB 20190514... ↗ master	2019-05-14 12:04	

Edit Create release

Azure DevOps

FlorianBoehmka / sky / Repos / Files / data-api

Search

Fork Clone

S sky +

Overview Boards Repos Files Commits Pushes Branches Tags Pull requests Pipelines Test Plans Artifacts

Project settings

data-api / azure-pipelines.yml

Contents History Compare Blame Edit Rename Delete Download

```
1 pool:
2   vmImage: 'Ubuntu 16.04'
3
4 variables:
5   # don't use dashes (-) in image names, because Azure DevOps will generate Environment Variables
6   # based on the image name and we need this variable to replace variables in the release pipeline.
7   # bad : RELEASE_ARTIFACTS_SKY_DATA-API_BUILDNUMBER => echo $RELEASE_ARTIFACTS_SKY_DATA-API_BUILDNUMBER -> error
8   # good: RELEASE_ARTIFACTS_SKY_DATA-API_BUILDNUMBER => echo $RELEASE_ARTIFACTS_SKY_DATA-API_BUILDNUMBER -> okay
9   imageTag: '$(registryServer)/sky/data_api:$(Build.BuildId)'
10
11 steps:
12 - script: |
13   docker build -t $(imageTag) .
14   displayName: 'Docker Build'
15
16 - script: |
17   docker login -u $(dockerUser) -p $(dockerPass) $(registryServer)
18   displayName: 'Docker Login'
19
20 - script: |
21   docker push $(imageTag)
22   displayName: 'Docker Push'
23
24
```

EXPLORER

OPEN EDITORS 1 UNSAVED

REPOS

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- 2.3 demonstrate monitoring istio.md
- 2.4. demonstrate networking.md
- 3.0 featurelist.md
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- 3.1 workshop hands-on.md
- 3.1. investigate-pod.md
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- tiller
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- fibo
- flights-api
- istio

OUTLINE

```
1  ---
2  apiVersion: v1
3  kind: Service
4  metadata:
5    name: nginx
6    labels:
7      name: nginx
8    namespace: {{ .Values.namespace }}
9  spec:
10   type: "ClusterIP"
11   ports:
12     - name: http
13       port: 80
14       targetPort: 80
15     selector:
16       app: nginx
17   ---
18  apiVersion: apps/v1
19  kind: Deployment
20  metadata:
21    name: "nginx"
22    namespace: {{ .Values.namespace }}
23  spec:
24    replicas: {{ .Values.replicas }}
25    selector:
26      matchLabels:
27        app: nginx
28    template:
29      metadata:
30        labels:
31          app: nginx
32    spec:
33      containers:
34        - image: nginx
35          imagePullPolicy: Always
36          name: nginx
37          resources:
38            requests:
39              memory: "256Mi"
40              cpu: "500m"
41            limits:
42              memory: "512Mi"
43              cpu: "1000m"
44          ports:
45            - containerPort: 80
46              protocol: TCP
```

NAMESPACE	NAME	REFERENCE	TARGETS	MINPODS	MAXPODS	REPLICAS	AGE
captureorder	horizontalpodautoscaler.autoscaling/backend	Deployment/backend	1%/50%	2	10	2	156m
istio-system	horizontalpodautoscaler.autoscaling/istio-ingressgateway	Deployment/istio-ingressgateway	3%/80%	1	5	1	3h43m
istio-system	horizontalpodautoscaler.autoscaling/istio-pilot	Deployment/istio-pilot	1%/80%	1	5	1	3h43m
istio-system	horizontalpodautoscaler.autoscaling/istio-policy	Deployment/istio-policy	4%/80%	1	5	1	3h43m
istio-system	horizontalpodautoscaler.autoscaling/istio-telemetry	Deployment/istio-telemetry	0%/80%	1	5	1	3h43m
team1	horizontalpodautoscaler.autoscaling/fibo	Deployment/fibo	0%/50%	2	10	2	5h36m

NAMESPACE	NAME	COMPLETIONS	DURATION	AGE
istio-system	job.batch/istio-init-crd-10	1/1	21s	5h42m
istio-system	job.batch/istio-init-crd-11	1/1	20s	5h42m
team1	job.batch/loadtest	5/5	2m27s	4h46m

PS C:\Repos\Handelsblatt\azure-kubernetes\eagle> k get ns

NAME	STATUS	AGE
captureorder	Active	5h44m
challengeistio	Active	3h41m
default	Active	5h52m
flux	Active	5h45m
happyday	Active	39m
hello	Active	5h44m
istio-system	Active	5h42m
kube-public	Active	5h52m
kube-system	Active	5h52m
nginx	Active	5h44m
podinfo	Active	5h44m
sky	Active	3h15m
sky-helm	Active	3h15m
team1	Active	5h41m

PS C:\Repos\Handelsblatt\azure-kubernetes\eagle> k get all -n flux

NAME	READY	STATUS	RESTARTS	AGE
pod/flux-d666bfc45-wsrrl	1/1	Running	0	5h45m
pod/flux-helm-operator-6679fc688c-dvd45	1/1	Running	0	5h45m
pod/flux-memcached-757756884-7dm4p	1/1	Running	0	5h45m

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
service/flux	ClusterIP	10.0.157.99	<none>	3030/TCP	5h45m
service/flux-memcached	ClusterIP	10.0.255.20	<none>	11211/TCP	5h45m

NAME	READY	UP-TO-DATE	AVAILABLE	AGE
deployment.apps/flux	1/1	1	1	5h45m
deployment.apps/flux-helm-operator	1/1	1	1	5h45m
deployment.apps/flux-memcached	1/1	1	1	5h45m

NAME	DESIRED	CURRENT	READY	AGE
replicaset.apps/flux-d666bfc45	1	1	1	5h45m
replicaset.apps/flux-helm-operator-6679fc688c	1	1	1	5h45m
replicaset.apps/flux-memcached-757756884	1	1	1	5h45m

\nPhase 3: Load test - 30 seconds, 1600 users.

Summary:

Total: 36.5170 secs
Slowest: 19.9936 secs
Fastest: 0.0018 secs
Average: 0.9739 secs
Requests/sec: 1067.2007

Total data: 1653526 bytes
Size/request: 43 bytes

Response time histogram:



Latency distribution:

10% in 0.0042 secs
25% in 0.0106 secs
50% in 0.0596 secs
75% in 0.3527 secs
90% in 2.1281 secs
95% in 6.9712 secs
99% in 15.0827 secs

Details (average, fastest, slowest):

DNS+dialup: 0.0157 secs, 0.0018 secs, 19.9936 secs
DNS-lookup: 0.0000 secs, 0.0000 secs, 0.0000 secs
req write: 0.0002 secs, 0.0000 secs, 0.0975 secs
resp wait: 0.9579 secs, 0.0018 secs, 19.9935 secs
resp read: 0.0000 secs, 0.0000 secs, 0.0572 secs

Status code distribution:

[200] 38330 responses
[500] 42 responses

```
PS C:\Repos\Handelsblatt\azure-kubernetes\eagle\flux\releases> kubectl get hpa -n captureorder --watch
```

NAME	REFERENCE	TARGETS	MINPODS	MAXPODS	REPLICAS	AGE
backend	Deployment/backend	1%/50%	2	10	2	107m
backend	Deployment/backend	232%/50%	2	10	2	107m
backend	Deployment/backend	232%/50%	2	10	4	107m
backend	Deployment/backend	232%/50%	2	10	8	107m
backend	Deployment/backend	232%/50%	2	10	10	108m
backend	Deployment/backend	211%/50%	2	10	10	108m

```
PS C:\Repos\Handelsblatt\azure-kubernetes\podinfo> kubectl get pod -n captureorder --watch
NAME                               READY   STATUS    RESTARTS   AGE
backend-77fc67c58c-5dv59          1/1     Running   1          105m
backend-77fc67c58c-rc9qj          1/1     Running   1          105m
frontend-85b7b749bf-7jbwn         2/2     Running   0          105m
orders-mongo-mongodb-7968ffc4c-nwqbf 1/1     Running   0          106m
backend-77fc67c58c-2t2jx          0/1     Pending   0          <invalid>
backend-77fc67c58c-2t2jx          0/1     Pending   0          <invalid>
backend-77fc67c58c-56c8f          0/1     Pending   0          <invalid>
backend-77fc67c58c-56c8f          0/1     Pending   0          <invalid>
backend-77fc67c58c-2t2jx          0/1     ContainerCreating 0          <invalid>
backend-77fc67c58c-56c8f          0/1     ContainerCreating 0          <invalid>
backend-77fc67c58c-2t2jx          0/1     Running   0          <invalid>
```

EXPLORER 1 OPEN EDITORS 1 UNSAVED

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 - 2-managed.yaml
 - 3-dedicated.yaml
 - 3-shared.yaml
 - readme.md
 - azureFile
 - 1-static.yaml
 - 2-static-pvc.yaml

```
1 apiVersion: v1
2 kind: Pod
3 metadata:
4   name: static-managed-azure-disk-volume
5   namespace: snippets
6 spec:
7   containers:
8     - image: nginx
9       name: static-azure-disk-volume
10      volumeMounts:
11        - mountPath: /mnt/azure
12          name: volume1
13      volumes:
14        - name: volume1
15        azureDisk:
16          diskName: static-managed-azure-disk-volume
17          kind: Managed
18          diskURI: /subscriptions/4427b046-b93b-421e-b487-f1bf5214fcb1/resourceGroups/MC_eagle-cluster_eagle_westeurope/providers/
19
```

File Edit Selection View Go Debug Terminal Help

2-static-pvc.yaml - Repos - Visual Studio Code

EXPLORER 1 UNSAVED

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 - readme.md
 - readme.md

3.1 workshop hands-on.md 2.3 demonstrate monitoring azure.md ! 2-static-pvc.yaml ✘ 1.3 setup devops - existing.md 2.2 demonstrate sca

```
6  apiVersion: rbac.authorization.k8s.io/v1
7  kind: ClusterRole
8  metadata:
9    name: system:azure-cloud-provider
10 rules:
11   - apiGroups: [ '' ]
12     resources: [ 'secrets' ]
13     verbs:      [ 'get', 'create' ]
14   ---
15   apiVersion: rbac.authorization.k8s.io/v1
16   kind: ClusterRoleBinding
17   metadata:
18     name: system:azure-cloud-provider
19   roleRef:
20     kind: ClusterRole
21     apiGroup: rbac.authorization.k8s.io
22     name: system:azure-cloud-provider
23   subjects:
24     - kind: ServiceAccount
25       name: persistent-volume-binder
26       namespace: kube-system
27   ---
28   #
29   # start here
30   #
31   ---
32   apiVersion: v1
33   kind: PersistentVolume
34   metadata:
35     name: static-azure-file-volume
36   spec:
37     capacity:
38       storage: 10Gi
39     accessModes:
40       - ReadWriteMany
41     persistentVolumeReclaimPolicy: Retain
42     azureFile:
43       secretName: eagle2 # your kubernetes storage secret name
44       shareName: static-azure-file-volume
45       readOnly: false
46   ---
47   apiVersion: v1
48   kind: PersistentVolumeClaim
49   metadata:
50     name: static-azure-file-volume
51     namespace: snippets
```



Create a resource

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★ FAVORITES

All resources

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API Management services

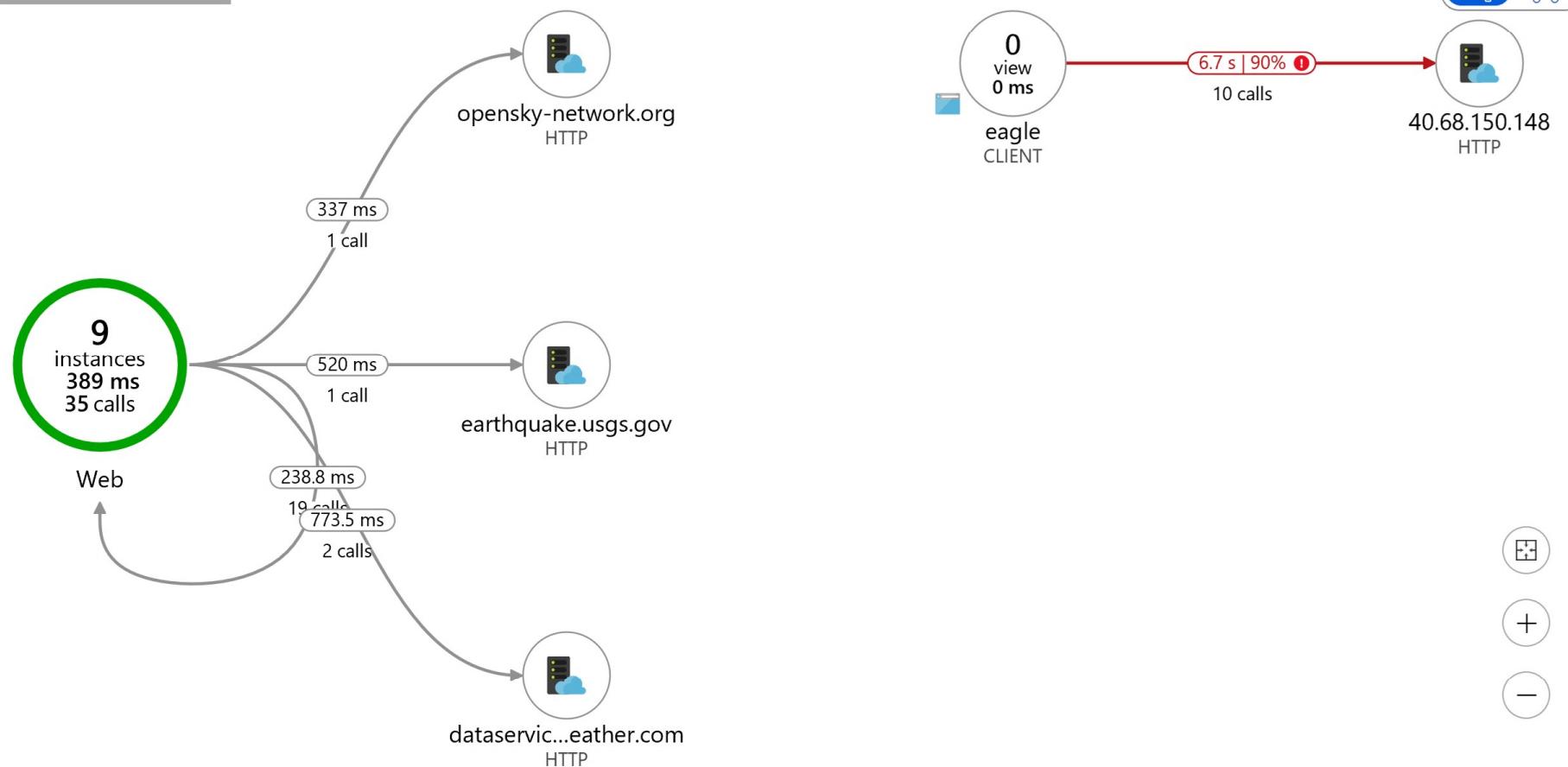
Resource Graph Explorer

Application map

Last hour[Refresh](#) [Feedback](#) [Suggest an idea](#) [Learn more](#) [Troubleshooting](#)

Last hour

Update map components





eagle - Insights

Kubernetes service

Search (Ctrl+ /)

Refresh

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New support request

Time range = Last 6 hours

Add Filter

Cluster

Nodes

Controllers

Containers

Forums

Learn more

Search by name...

Metric: CPU Usage (millicores)

Min

Avg

50th

90th

95th

Max

157 items

NAME	STATUS	MA...	MAX	POD	NODE	RESTA...	UPTIME	TREND MAX % (1 BAR = 15M)
jscalfrontend	✓ O...	1%	22 mc	jscalfronte...	aks-eagle-3...	0	2 hours	
weather-api	✓ O...	1%	6 mc	weather-api...	aks-eagle-3...	0	16 mins	
netcorecallbackend	✓ O...	1%	19 mc	netcorecalc...	aks-eagle-3...	0	2 hours	
weather-api	✓ O...	1%	5 mc	weather-api...	aks-eagle-3...	0	1 hour	
frontend	✓ O...	0.9%	4 mc	frontend-85...	aks-eagle-3...	0	1 hour	
gocalcallbackend	✓ O...	0.8%	16 mc	gocalbacken...	aks-eagle-3...	0	2 hours	

frontend-85b7b749bf-7jbwn (frontend)

Logs

Events

(No New Data) !

Search...

0/5

Scroll || Pause Clear

2019-06-03T19:02:50.36650871Z setting ip:40.68.193.160
2019-06-03T19:02:51.367895399Z setting ip:40.68.193.160
2019-06-03T19:02:52.369296588Z setting ip:40.68.193.160
2019-06-03T19:02:53.371625276Z setting ip:40.68.193.160
2019-06-03T19:02:54.372417765Z setting ip:40.68.193.160

frontend

Container

View live data(preview)

View in analytics

Container Name

frontend

Container ID

2918e8e166ca0e85d691c877f1dbff0a122f9
12287c6028d8049771e0e747ebb

Container Status

running

Container Status Reason

-

Image

captureorder-frontend

Image Tag

v0.0.5

Container Creation Time Stamp

03/06/2019 19:24:32

Start Time

03/06/2019 19:24:32

Finish Time

-

CPU Limit

500 ms



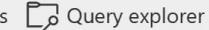
New Query 1*



eagle



Time range: Set in query



Schema

Filter

Filter by name or type...



Collapse all

Active

eagle



APPLICATION INSIGHTS

traces

customEvents

pageViews

requests

dependencies

exceptions

availabilityResults

customMetrics

performanceCounters

browserTimings

Functions

Favorite applications

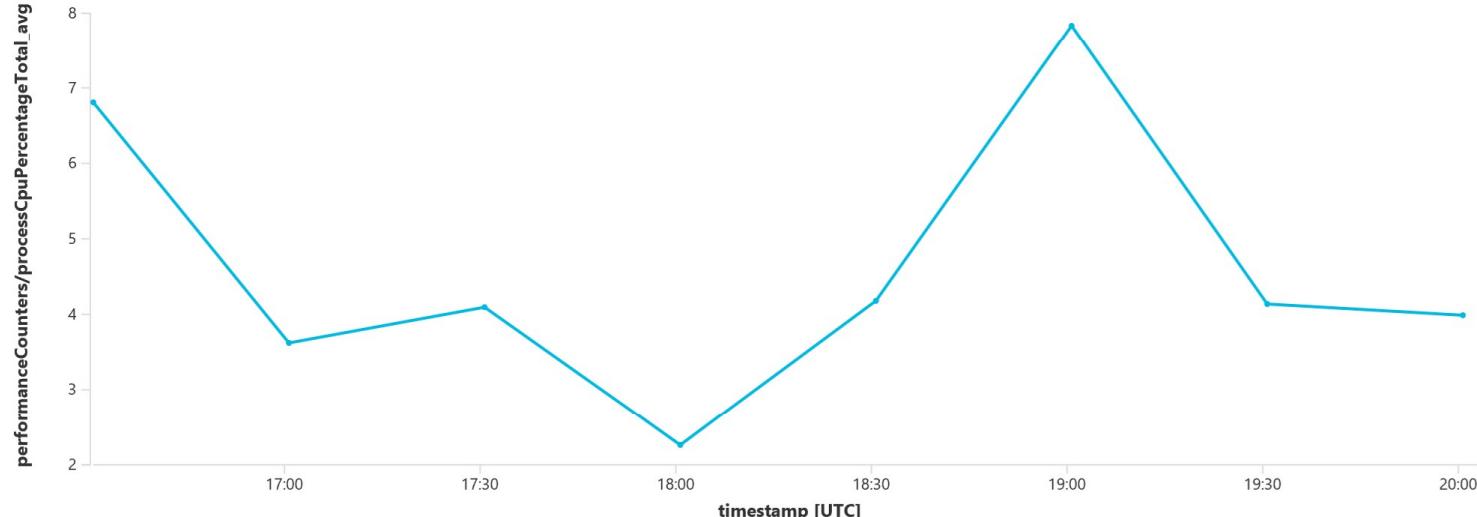
```
// Average of Process CPU (all cores)
performanceCounters
| where timestamp >= now(-1d)
| where ((category == "Process" and counter == "% Processor Time") or name == "processCpuPercentageTotal")
| extend performanceCounter_value = iif(itemType == 'performanceCounter', value, todouble(''))
| summarize ['performanceCounters/processCpuPercentageTotal_avg'] = sum(performanceCounter_value)/count() by bin(timestamp, 30m)
| order by timestamp desc
| render timechart
```

Completed

00:00:00.264 8 records

Display time (UTC+00:00) ▾

TABLE CHART | Line ▾ Timestamp ▾ PerformanceCounters/ProcessCpuPercentageTotal_Avg ▾ Sum ▾



 eagle-cluster - Logs
Resource group

+

New Query 1*

Run

Time range: Last 24 hours

 Help  Settings  Sample queries  Query explorer

eagle-cluster

Save

Copy

Export

+ New alert rule

Pin

Schema Filter

Filter by name or type... 

Collapse all

Active

- eagle-cluster
 - ContainerInsights
 - LogManagement
 - Functions

```
// List our Microservices Application Images
ContainerInventory
| distinct Image
```

```
// images with "captureorder"
ContainerInventory
| distinct Image
| where Image contains "captureorder"
| render table
```

```
// captureorder-backend history
```

Completed. Showing results from the last 24 hours.

 00:00:00.328  53 records  TABLE  CHART Columns ▾

Drag a column header and drop it here to group by that column

Image
> sky/service_tracker_ui
> kube-svc-redirect
> nginx
> azuremonitor/containerinsights/ciprod
> sky/data_api
> kubernetes-ingress-controller/nginx-ingress-controller
> sky/weather_api
> sky/quakes_api
> hyperkube-amd64
> defaultbackend



Page 1 of 2



50 items per page

1 - 50 of 53 items



eagle - Performance

Application Insights

- Search (Ctrl+ /)
- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems

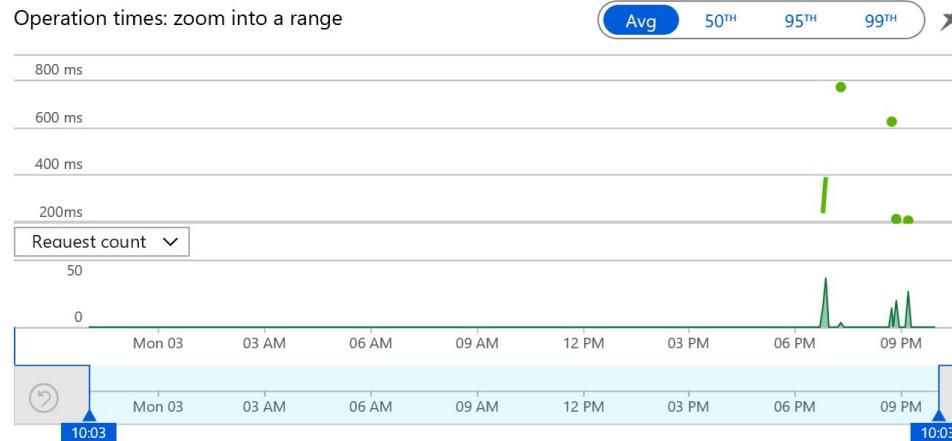
- Investigate
- Application map
- Smart Detection
- Live Metrics Stream
- Metrics
- Search
- Availability
- Failures
- Performance

- Servers
- Browser
- Troubleshooting guides (pre...)
- Workbooks

- Usage
- Users
- Sessions

Refresh Configure Profiler View in Analytics Analyze with Workbooks Feedback

Operations Dependencies Roles

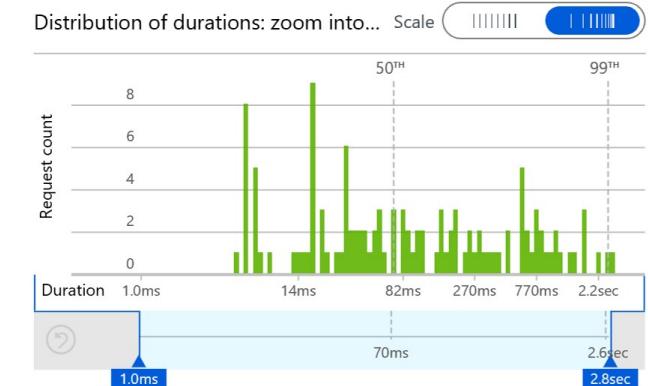


Select operation

Search to filter items...

OPERATION NAME	DURATION (AVG)	COUNT	PIN
Overall	337 ms	117	
GET /refresh	1.76 sec	8	
GET /get/flights/1559581081715	853 ms	2	
GET /get/flights/1559587712157	669 ms	5	
GET /latest	563 ms	13	
GET /get/quakes/1559587706922	255 ms	1	
GET /status	112 ms	32	

Overall



Insights (2)

51% COMMON PROPERTIES:
resultCode, client_OS, performanceBucket, clou...

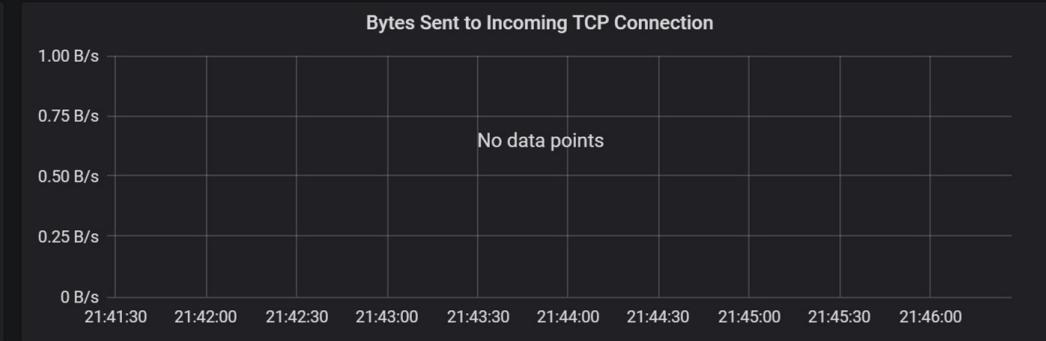
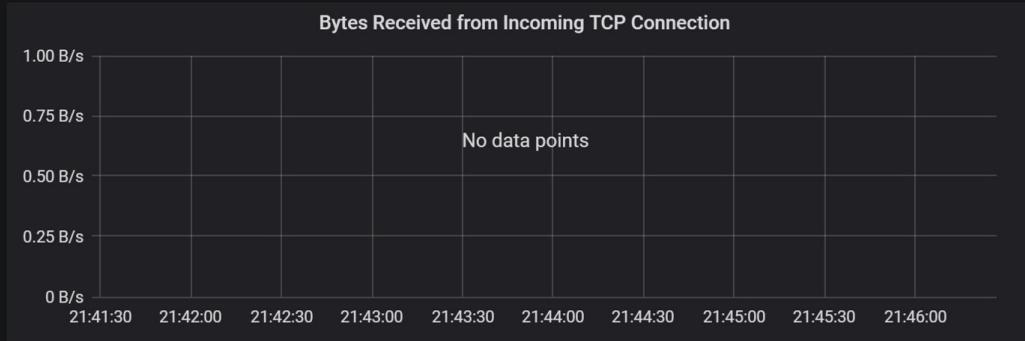
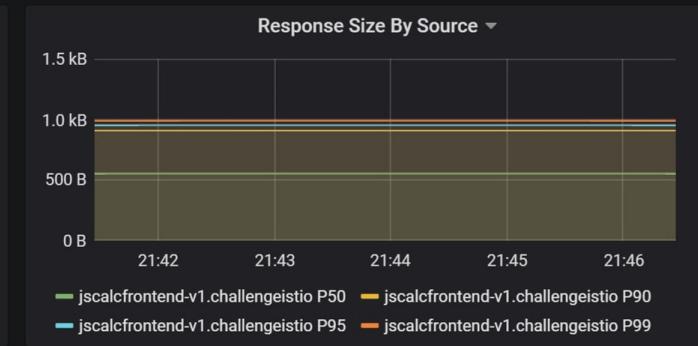
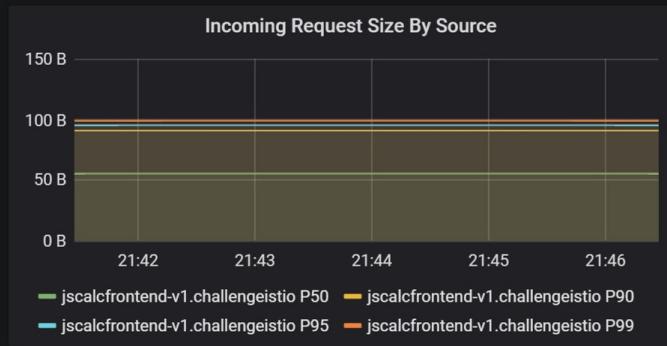
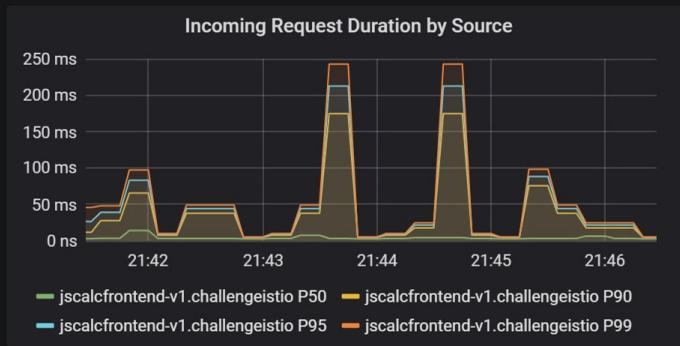
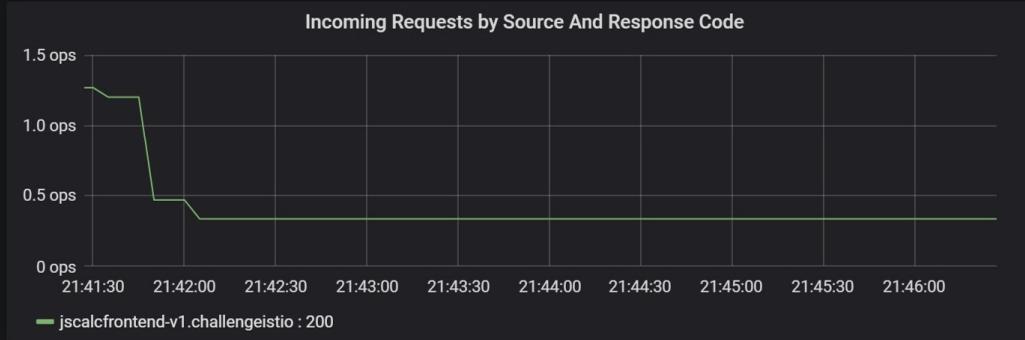
Top 3 Dependencies

Take action

(117) Samples



INBOUND WORKLOADS



Find Traces

Service (3)

backend.challengeistio

Operation (1)

all

Tags (1)

http.status_code=200 error=true

Lookback

Last Hour

Min Duration

e.g. 1.2s, 100ms, 500us

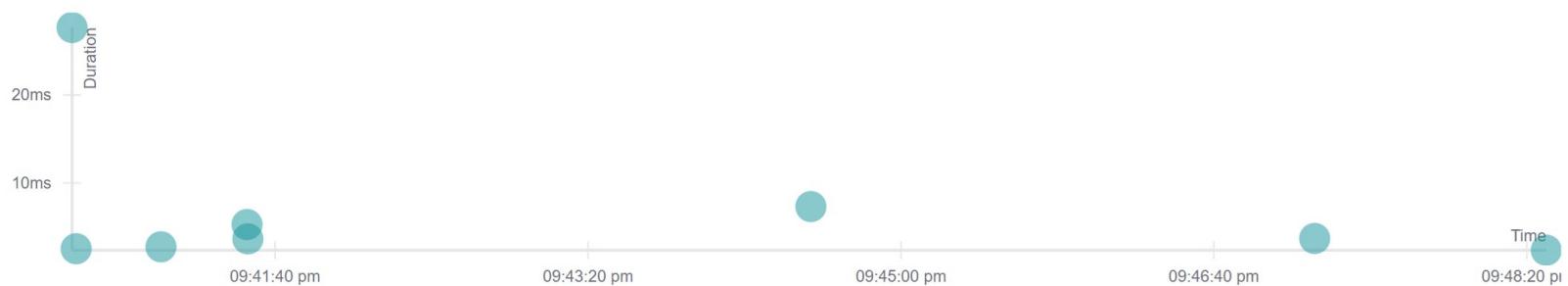
Max Duration

e.g. 1.2s, 100ms, 500us

Limit Results

20

Find Traces



8 Traces

Sort: Most Recent ▾

Compare traces by selecting result items

frontend.challengeistio: calcbackendsvc.challengeistio.svc.cluster.local:80/* a4f16f2 2.37ms

3 Spans backend.challengeistio (2) frontend.challengeistio (1)

Today | 9:48:26 pm
a few seconds ago

frontend.challengeistio: calcbackendsvc.challengeistio.svc.cluster.local:80/* d71b54d 3.7ms

3 Spans backend.challengeistio (2) frontend.challengeistio (1)

Today | 9:47:12 pm
2 minutes ago

frontend.challengeistio: calcbackendsvc.challengeistio.svc.cluster.local:80/* a5e4cc9 7.32ms

3 Spans backend.challengeistio (2) frontend.challengeistio (1)

Today | 9:44:31 pm
4 minutes ago

Overview

Graph

Applications

Workloads

Services

Istio Config

Namespace: challengeistio

Graph

Jun 03, 21:47:01 ... Jun 03, 21:48:01

Display

Edge Labels

Graph Type

Versioned app

Find...

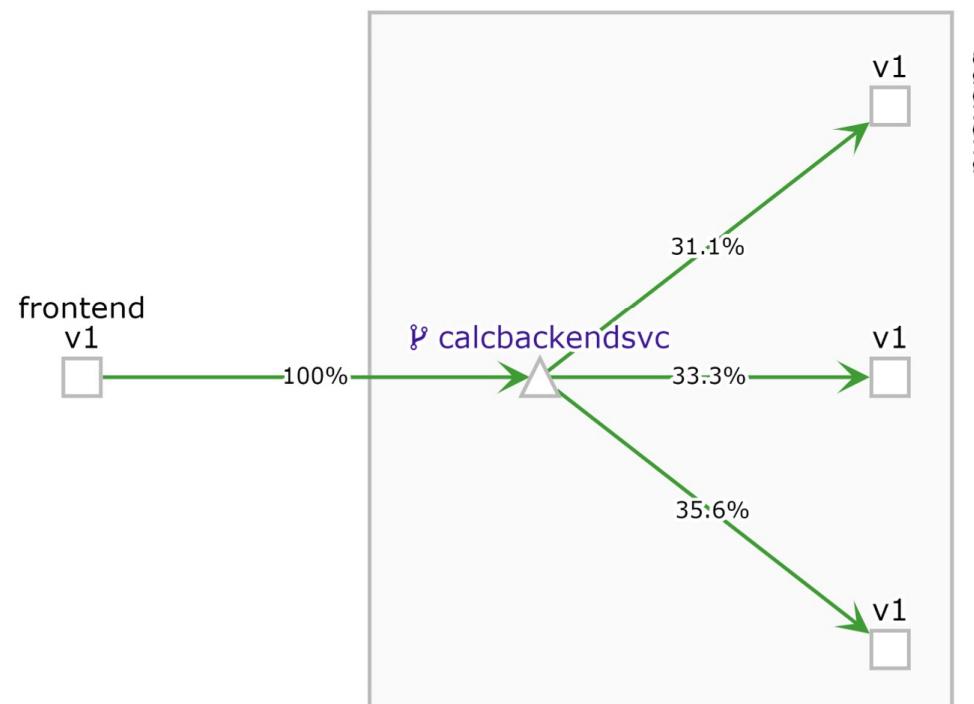
Hide...

Fetching

Last min

Every 15 sec

?



+ - ⌂ ⌂ 1 ⌂ 2 Legend

Namespace: challengeistio
applications, services, workloads

Current Graph:

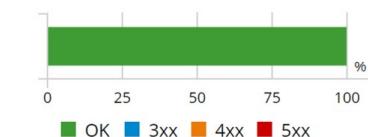
4 apps

1 service

4 edges

HTTP Traffic (requests per second):

Total	%Success	%Error
1.00	100.00	0.00



HTTP - Total Request Traffic min / max:
RPS: 1.93 / 1.93 , %Error 0.00 / 0.00

TCP - Total Traffic - min / max:
Not enough traffic to generate chart.


Search
+ CREATE
☰ Overview

Cluster

Workloads

Namespaces

Nodes

Persistent Volumes

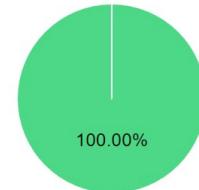
Roles

Storage Classes

Namespace

All namespaces

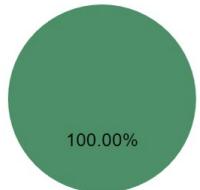
Workloads Statuses



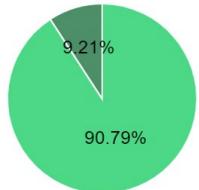
Daemon Sets



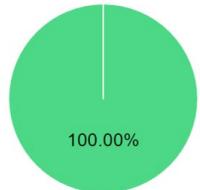
Deployments



Jobs



Pods



Replica Sets

Overview

Workloads

Daemon Sets

Name	Namespace	Labels	Pods	Age	Images
✓ omsagent	kube-system	addonmanager.kubernetes... component: oms-agent kubernetes.io/cluster-serv... tier: node	4 / 4	5 hours	mcr.microsoft.com/azure...
✓ kube-proxy	kube-system	component: kube-proxy kubernetes.io/cluster-serv... tier: node	4 / 4	5 hours	k8s.gcr.io/hyperkube-amd...
✓ kube-svc-redirect	kube-system	addonmanager.kubernetes... component: kube-svc-redirect kubernetes.io/cluster-serv... tier: node	4 / 4	5 hours	docker.io/deis/kube-svc-redirect nginx:1.13.12-alpine

Discovery and Load Balancing

Ingresses

Services

Config and Storage

Enable query history

http_request_duration_microseconds

Load time: 129ms
Resolution: 14s
Total time series: 12

Execute

rest_client_requests_total

Console

Console

- 1h + ↶ Until

Res. (s)

stacked

