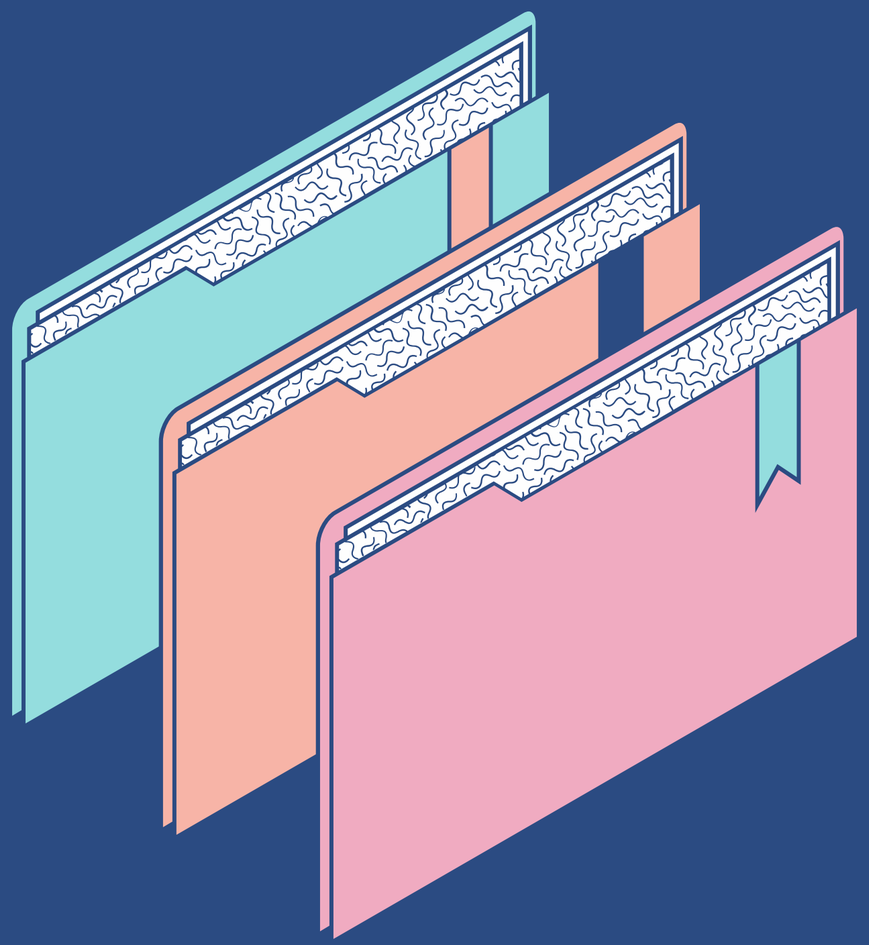
AIDO MEETUP #16

Datadog - Modern Cloud Monitoring as a Service

Bydgoszcz, 04.06.2021



Agenda

AUTOMATYZACJA JEST LEPSZA NIŻ NAJLEPSZY INŻYNIER :)

- AiDO i prowadzący.
- Wprowadzenie.
- DataDog.
- Jak monitorować infrastrukturę i sieć?
- Jak monitorować aplikację?
- Powiadomienia.

Bydgoszcz, 04.06.2021

Grzegorz Bołtuć

- Experienced Cloud DevOps Engineer with a demonstrated history of working in the financial services industry at both international companies and start-ups. Skilled in AWS, GCP, K8s, Docker, Ansible, Helm, Terraform, ELK and DataDog.
- I'm certified in GCP, RedHat, Kubernetes.
- I'm working on FlipFit app.
- https://pl.linkedin.com/in/greg-boltuc

AiDO

https://github.com/Ansible-in-DevOps/general/blob/main/AiDO_description_v2.pdf

- AiDO is DevOps Meetup sharing knowledge and experience from DevOps area and CI/CD flows. Shows automation from code to business product using Clouds.
- AiDO is official Red Hat Ansible Community in Poland.

AiDO
DevOps and more

Bydgoszcz, 04.06.2021

Jak jest z tym monitorowaniem?

1

MONITOROWANIE SPRZĘTU I SIECI

Zabbix, Nagios, Zenoss itd

2

MONITOROWANIE APLIKACJI

Opsview, Splunk itd

3

MONITOROWANIE LOGÓW

ELK Stack itd

4

MONITOROWANIE MIKROSERWISÓW

Prometheus + Grafana itd

5

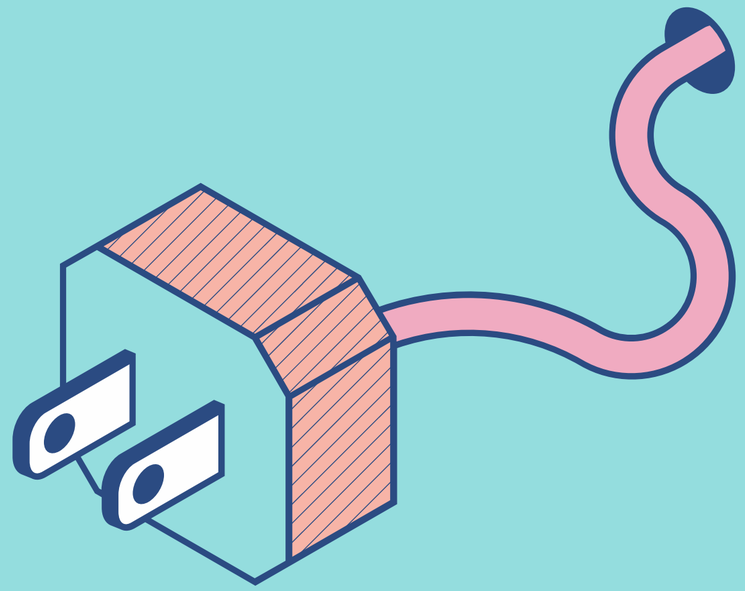
MONITOROWANIE ALL IN ONE

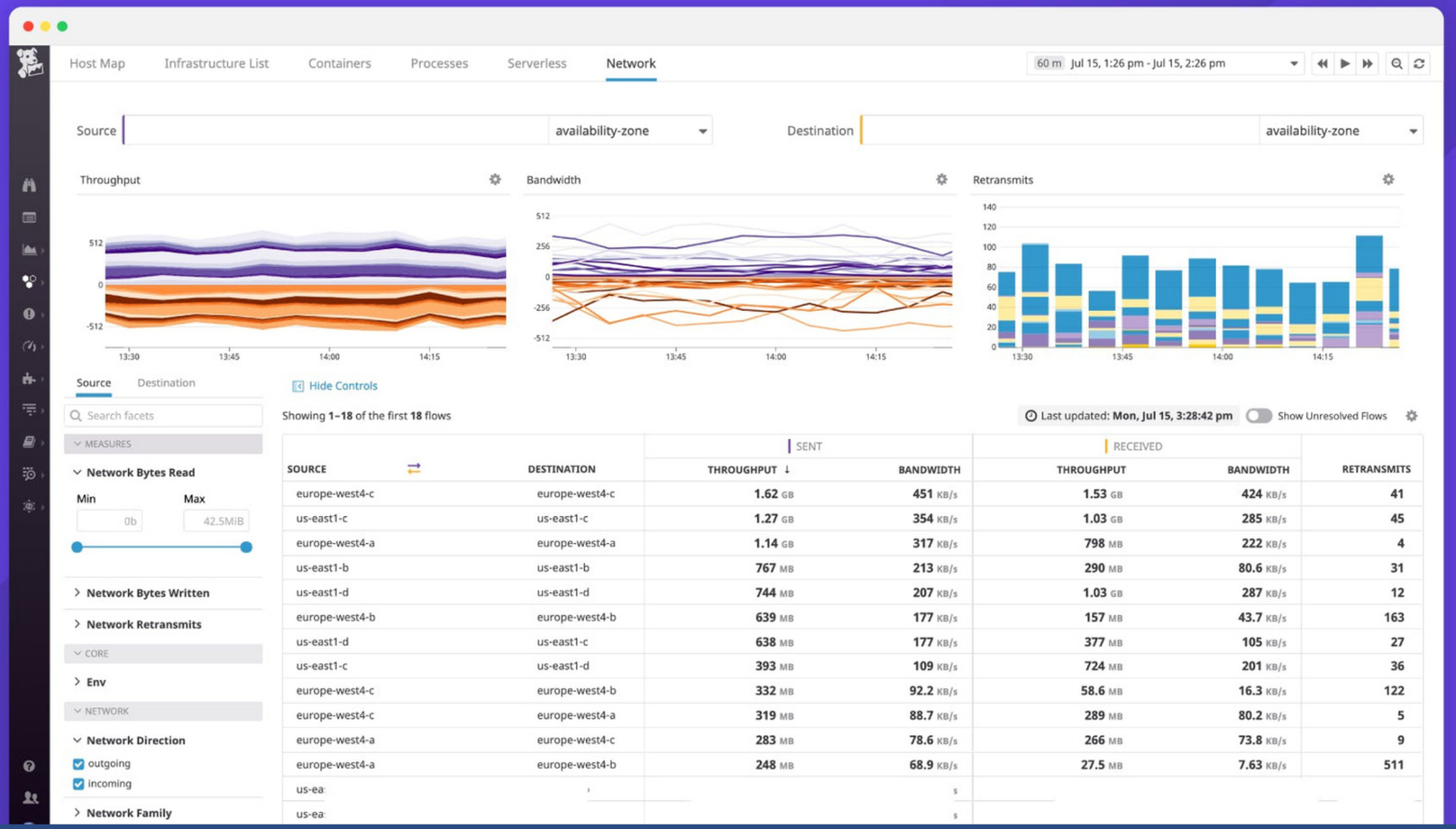
DataDog, NewRelic itd

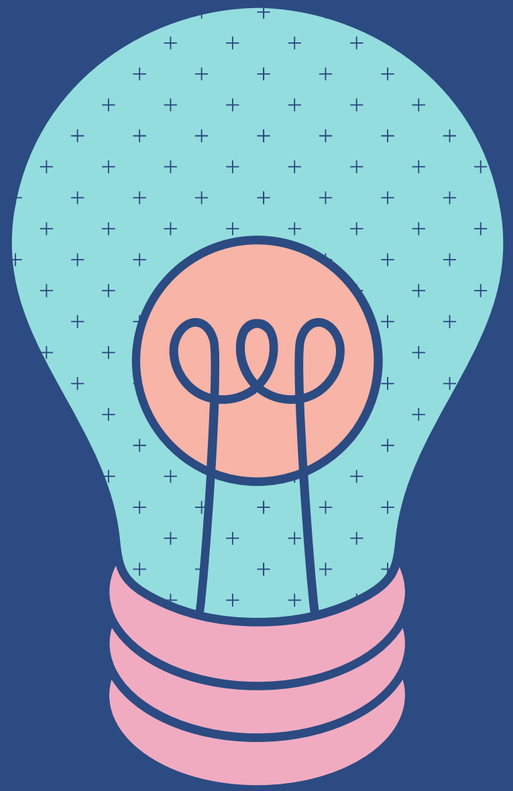
Bydgoszcz, 04.06.2021

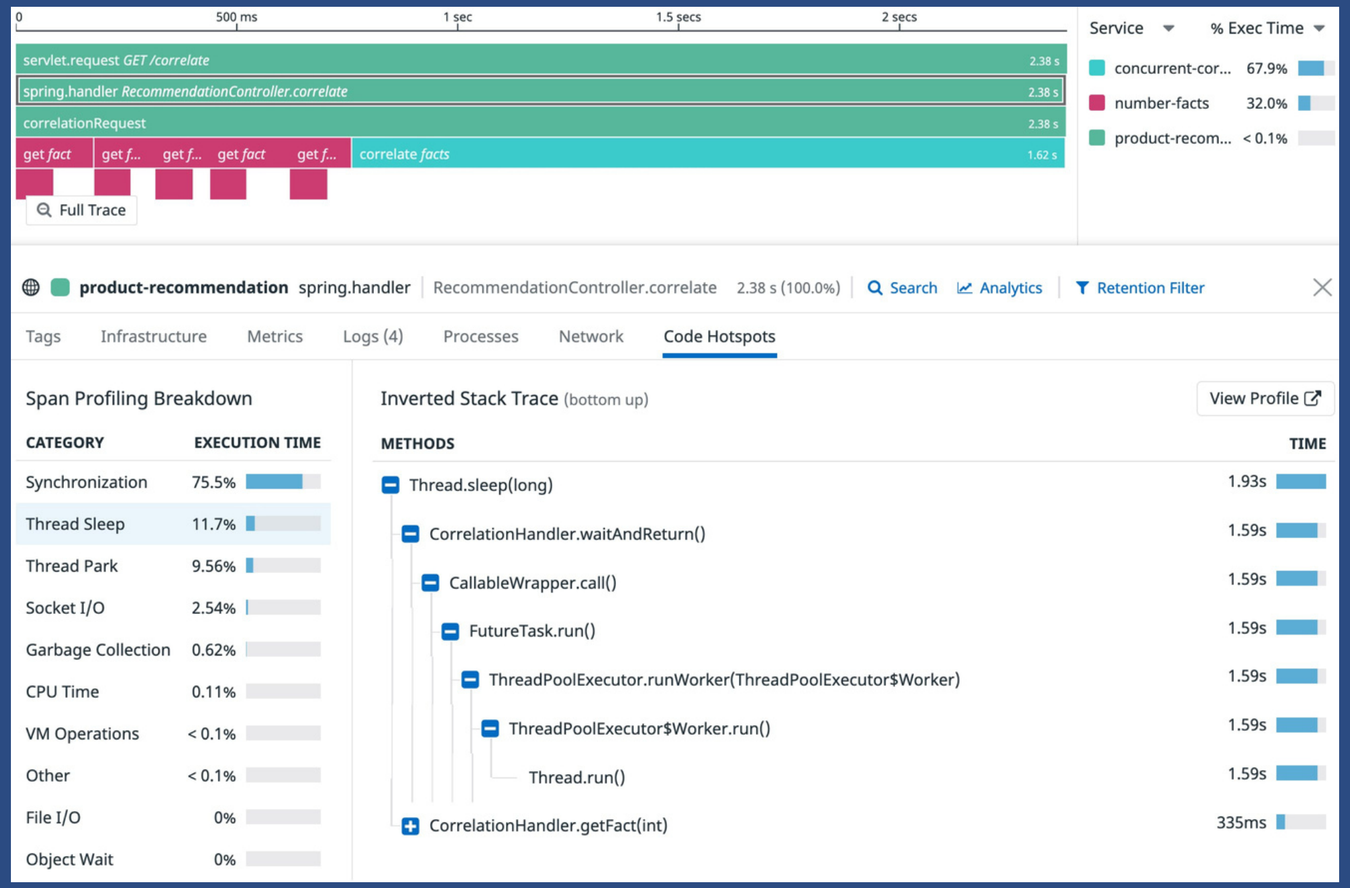
DataDog - Modern Cloud Monitoring as a Service

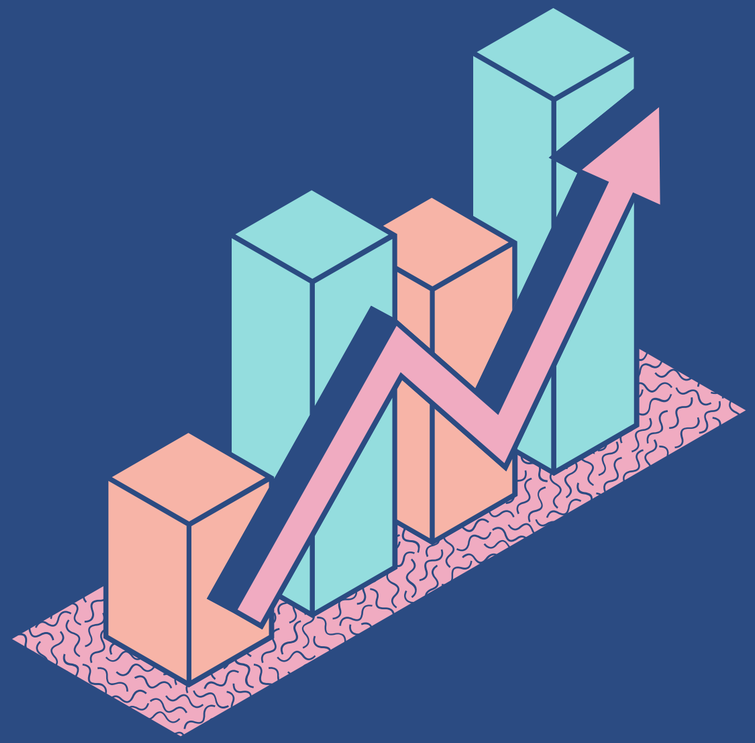
DATADOG

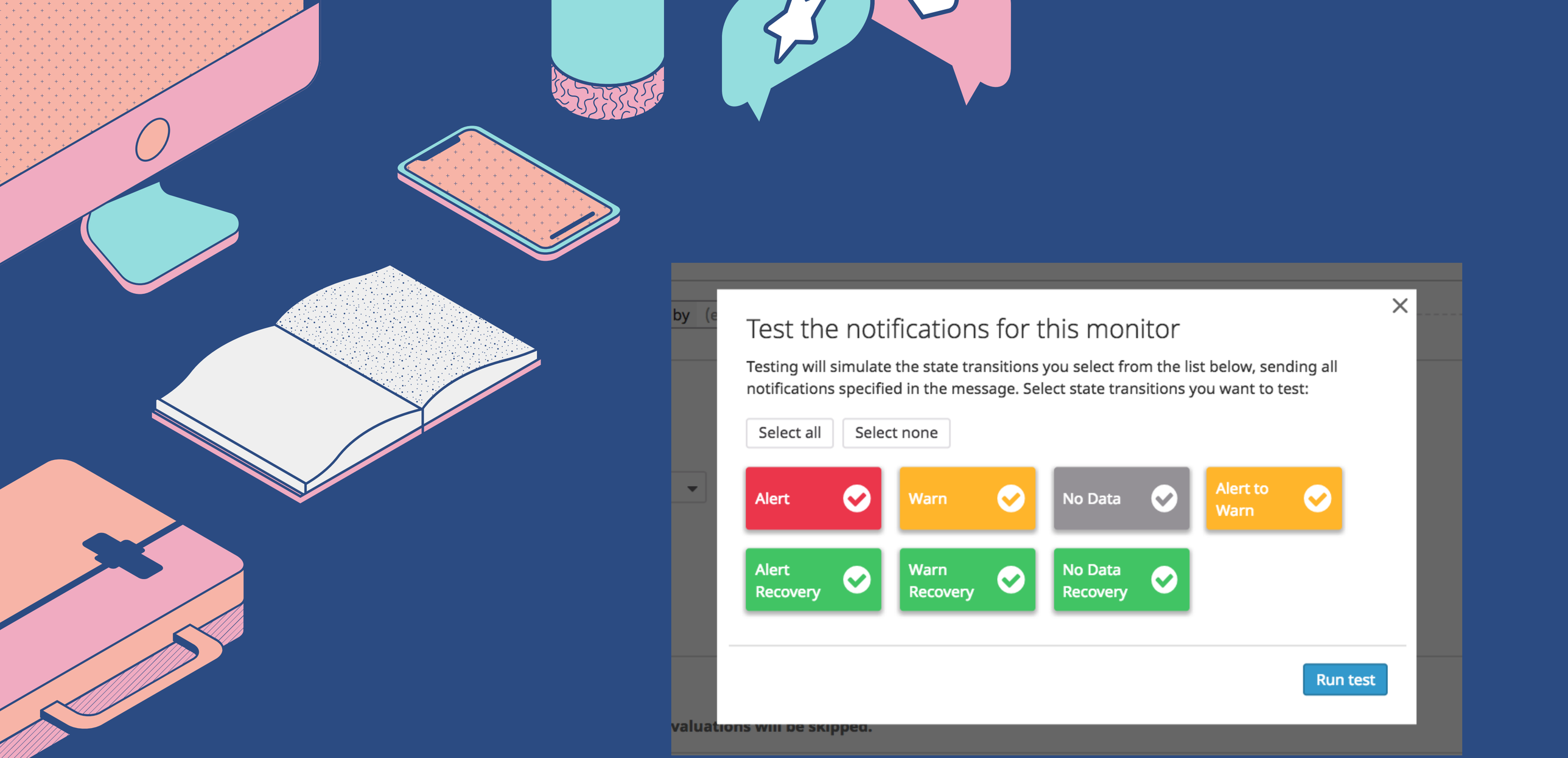



Host Map
Infrastructure List
Containers
Processes
Serverless
Network
60 m Jul 15, 1:26 pm - Jul 15, 2:26 pm
Source
availability-zone
Destination
availability-zone
Throughput
Bandwidth
Retransmits
Source
Destination
Hide Controls
Search facets
MEASURES
Network Bytes Read
Min
Max
0b
42.5MiB
Network Bytes Written
Network Retransmits
CORE
Env
NETWORK
Network Direction
outgoing
incoming
Network Family
Showing 1–18 of the first 18 flows
Last updated: Mon, Jul 15, 3:28:42 pm
Show Unresolved Flows
SENT
RECEIVED
SOURCE
DESTINATION
THROUGHPUT
BANDWIDTH
THROUGHPUT
BANDWIDTH
RETRANSMITS
europe-west4-c europe-west4-c 1.62 GB 451 KB/s 1.53 GB 424 KB/s 41
us-east1-c us-east1-c 1.27 GB 354 KB/s 1.03 GB 285 KB/s 45
europe-west4-a europe-west4-a 1.14 GB 317 KB/s 798 MB 222 KB/s 4
us-east1-b us-east1-b 767 MB 213 KB/s 290 MB 80.6 KB/s 31
us-east1-d us-east1-d 744 MB 207 KB/s 1.03 GB 287 KB/s 12
europe-west4-b europe-west4-b 639 MB 177 KB/s 157 MB 43.7 KB/s 163
us-east1-d us-east1-c 638 MB 177 KB/s 377 MB 105 KB/s 27
us-east1-c us-east1-d 393 MB 109 KB/s 724 MB 201 KB/s 36
europe-west4-c europe-west4-b 332 MB 92.2 KB/s 58.6 MB 16.3 KB/s 122
europe-west4-c europe-west4-a 319 MB 88.7 KB/s 289 MB 80.2 KB/s 5
europe-west4-a europe-west4-c 283 MB 78.6 KB/s 266 MB 73.8 KB/s 9
europe-west4-a europe-west4-b 248 MB 68.9 KB/s 27.5 MB 7.63 KB/s 511




0
500 ms
1 sec
1.5 secs
2 secs
servlet.request GET /correlate 2.38 s
spring.handler RecommendationController.correlate 2.38 s
correlationRequest 2.38 s
get fact
get f...
get f...
get fact
get f...
correlate facts 1.62 s
Full Trace
Service
% Exec Time
concurrent-cor... 67.9%
number-facts 32.0%
product-recom... < 0.1%
product-recommendation spring.handler
RecommendationController.correlate 2.38 s (100.0%)
Search
Analytics
Retention Filter
Tags
Infrastructure
Metrics
Logs (4)
Processes
Network
Code Hotspots
Span Profiling Breakdown
CATEGORY
EXECUTION TIME
Synchronization 75.5%
Thread Sleep 11.7%
Thread Park 9.56%
Socket I/O 2.54%
Garbage Collection 0.62%
CPU Time 0.11%
VM Operations < 0.1%
Other < 0.1%
File I/O 0%
Object Wait 0%
Inverted Stack Trace (bottom up)
View Profile
METHODS
TIME
Thread.sleep(long) 1.93s
CorrelationHandler.waitAndReturn() 1.59s
CallableWrapper.call() 1.59s
FutureTask.run() 1.59s
ThreadPoolExecutor.runWorker(ThreadPoolExecutor$Worker) 1.59s
ThreadPoolExecutor$Worker.run() 1.59s
Thread.run() 1.59s
CorrelationHandler.getFact(int) 335ms




Test the notifications for this monitor
Testing will simulate the state transitions you select from the list below, sending all notifications specified in the message. Select state transitions you want to test:
Select all
Select none
Alert
Warn
No Data
Alert to Warn
Alert Recovery
Warn Recovery
No Data Recovery
Run test

Pytania?

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