Codeurs en Seine 2015 | @vspiewak

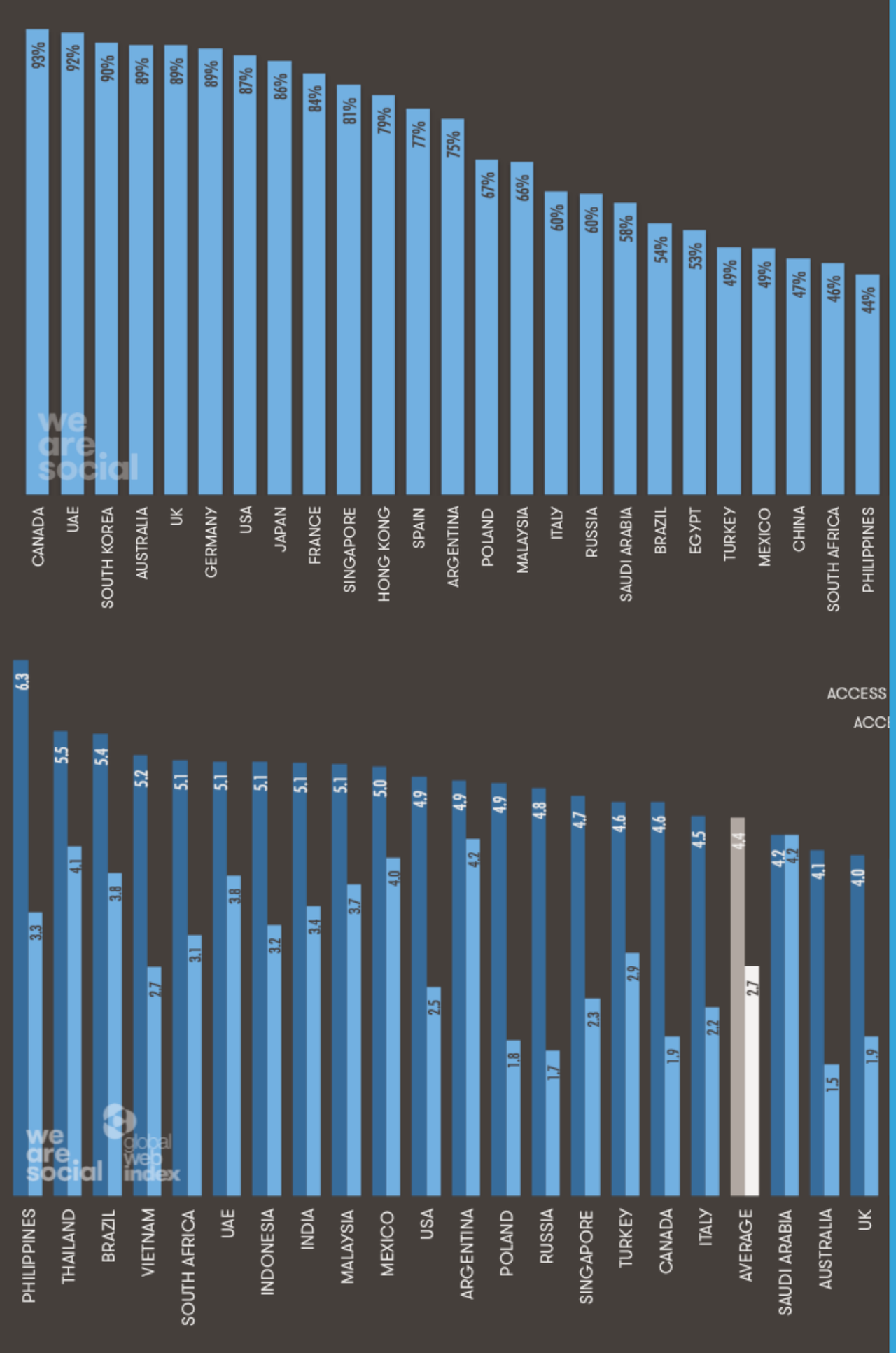
INFRASTRUCTURES RÉACTIVES

SPEAKER

VINCENT SPIEWAK

Scrum Master

Agile, DevOps, Craftman



42% connectés
7h/J

@WeAreSocial

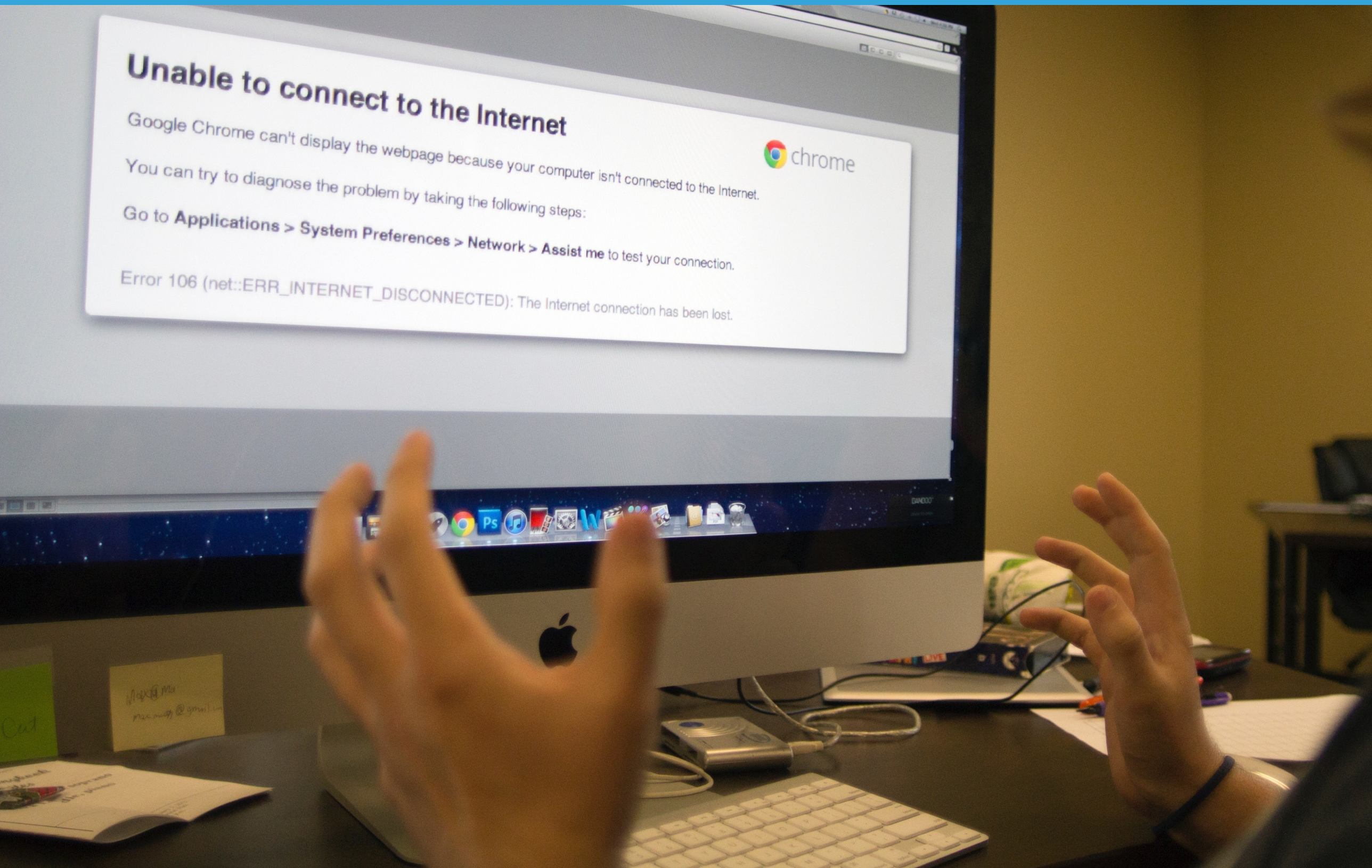
50 Mds $
310 Villes

@Wikipedia

IOT 2020
25 à 50 Mds

@Gartner & Cisco

Résilient

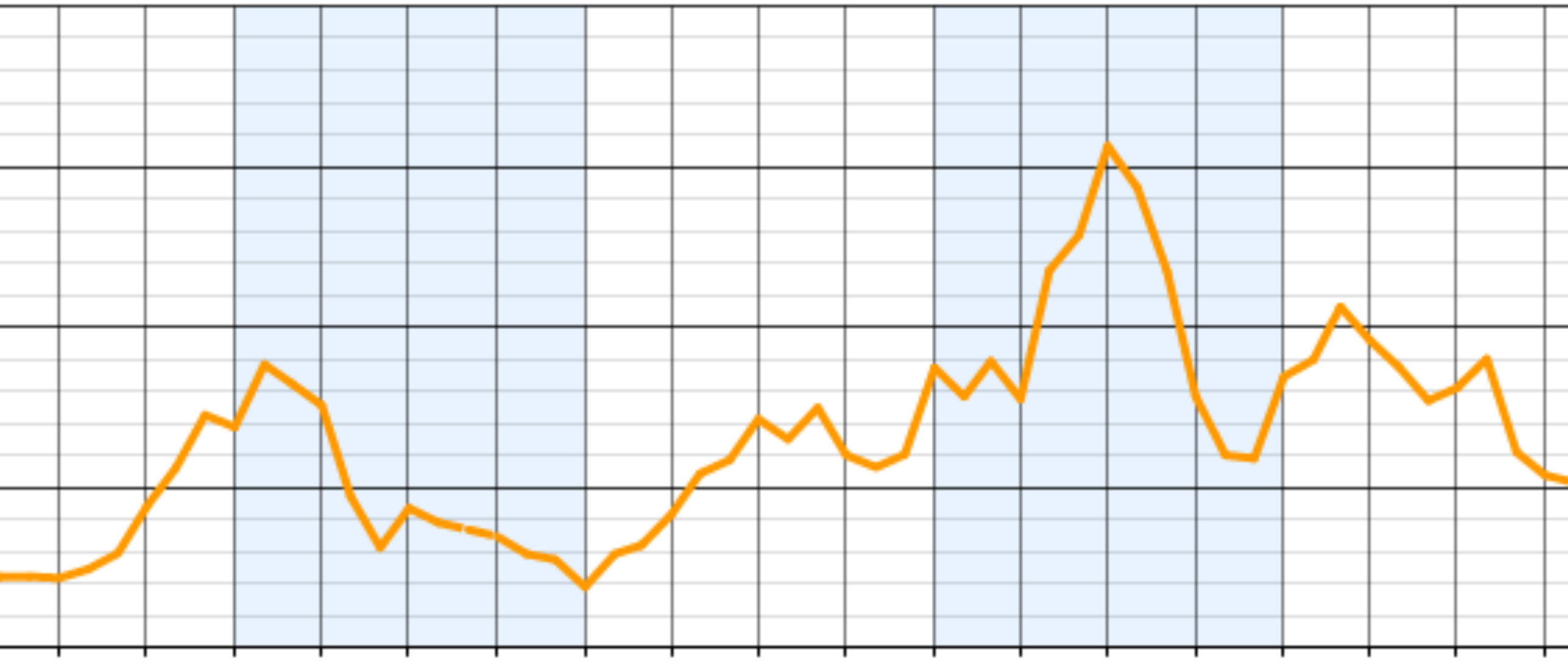

Unable to connect to the Internet
Google Chrome can't display the webpage because your computer isn't connected to the Internet.
You can try to diagnose the problem by taking the following steps:
Go to Applications > System Preferences > Network > Assist me to test your connection.
Error 106 (net::ERR_INTERNET_DISCONNECTED): The Internet connection has been lost.
chrome

Scalabilité Horizontale

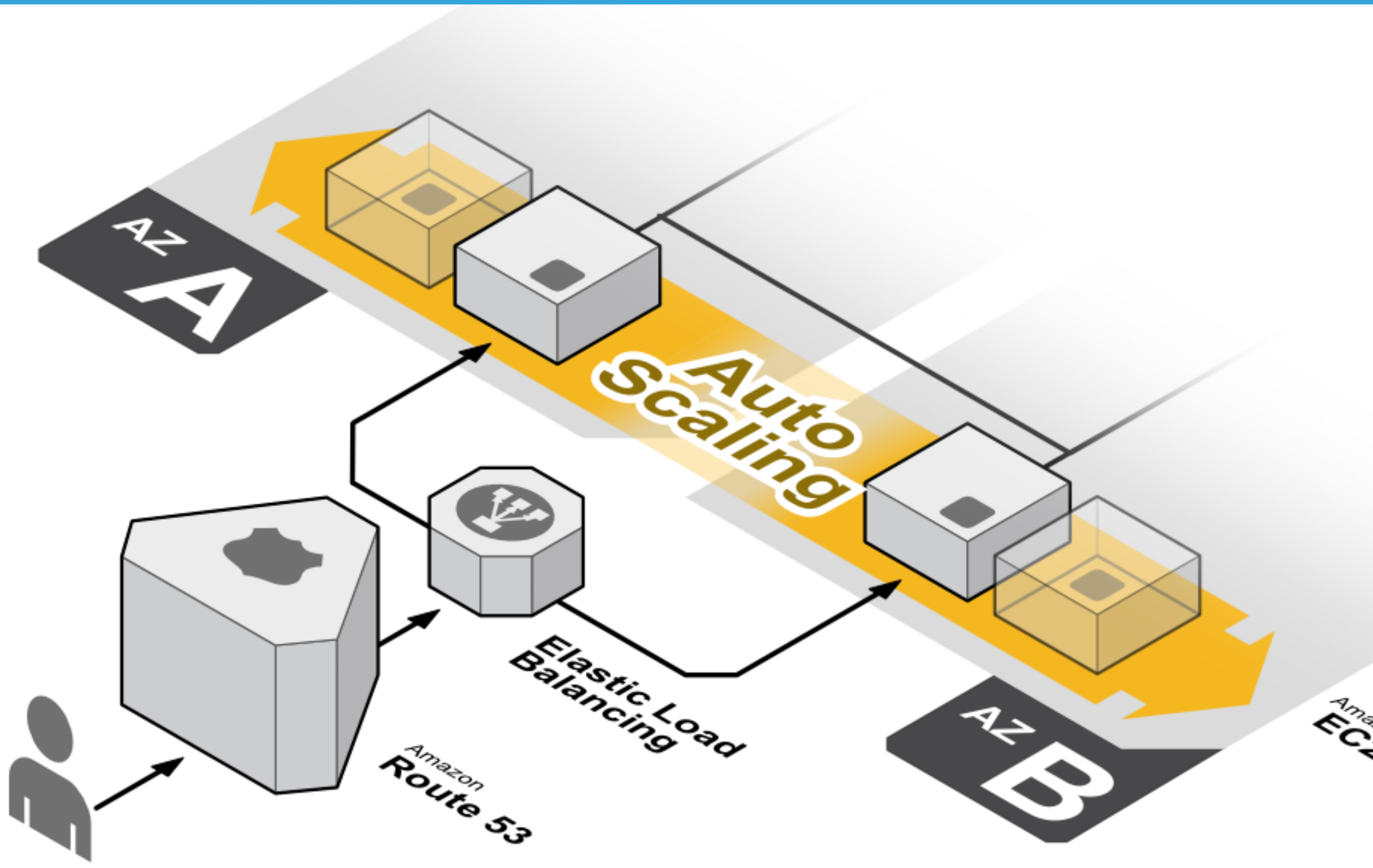
Disponible

Distribué

Maîtrise des coûts

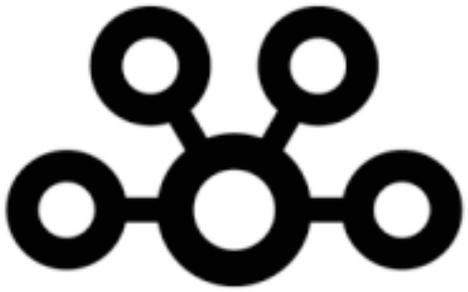


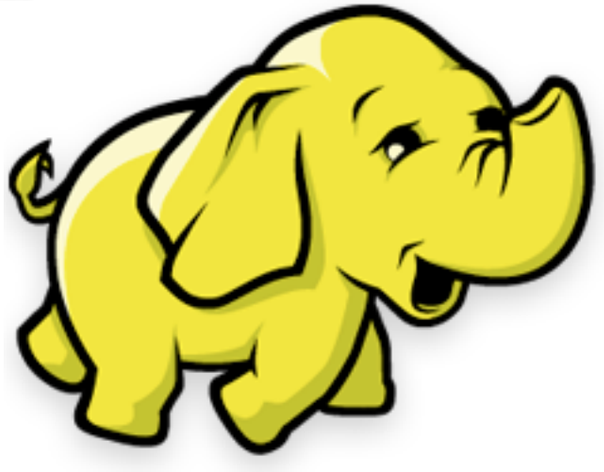
Souple

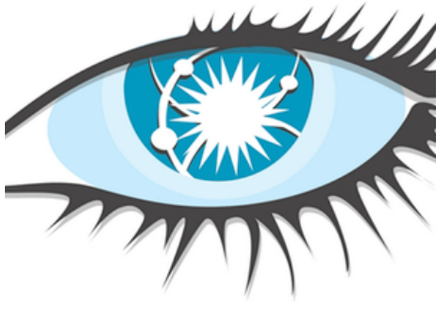

AZ
A
Auto
Scaling
Elastic Load
Balancing
Amazon
Route 53
AZ
B

Editeurs

@Aphyr / jepsen



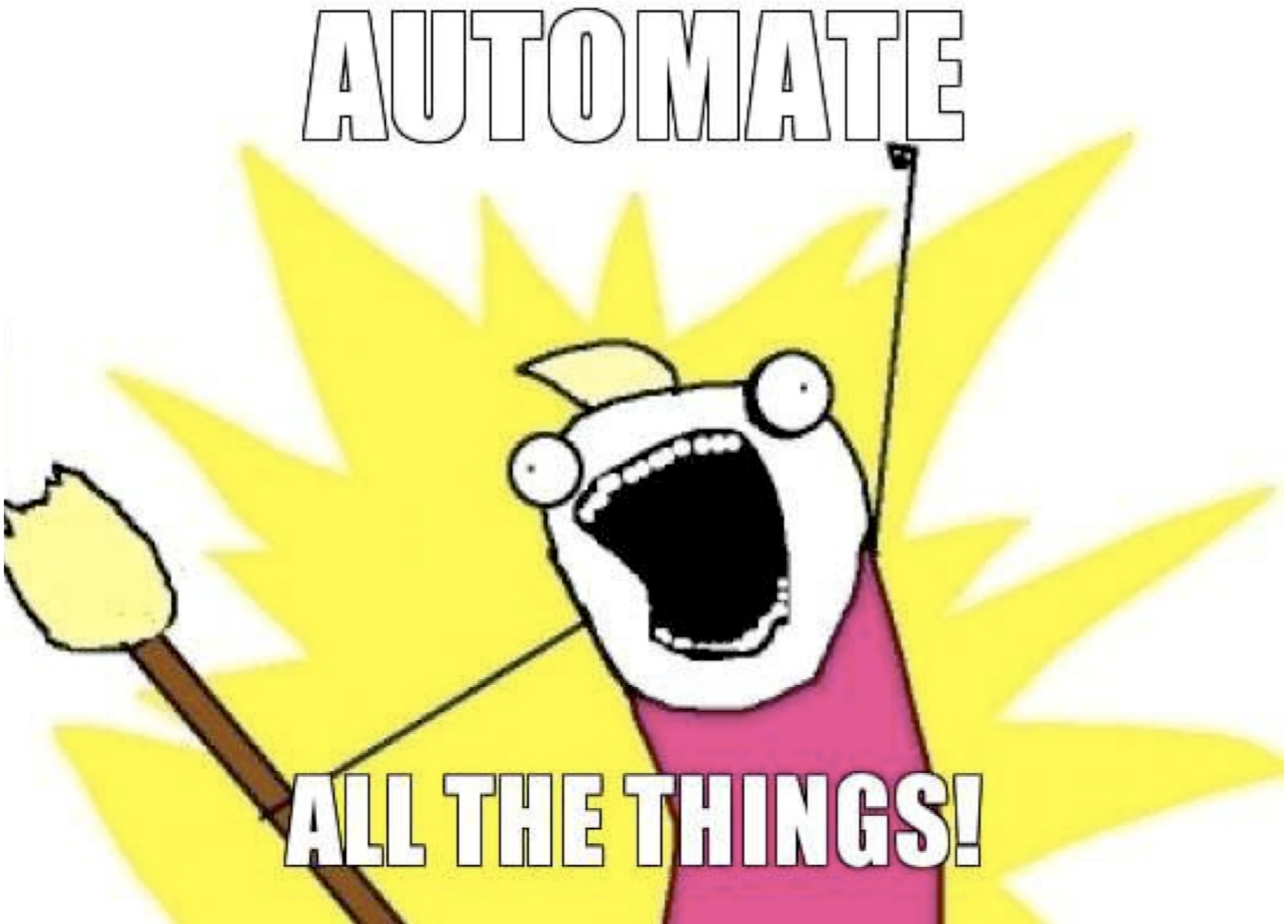




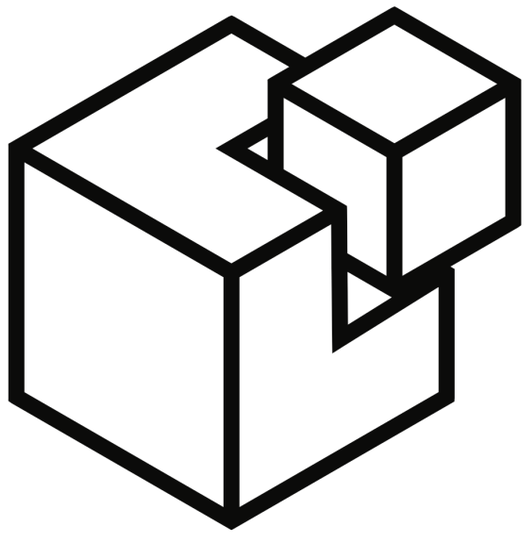
Reactive Manifesto

- Disponible
- Résilient
- Souples
- Orientés messages

Infrastructures Réactives



Infra as Code

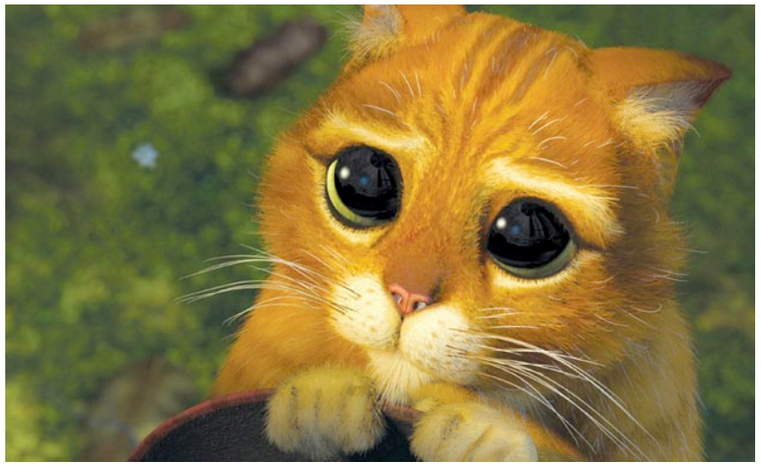


SALTSTACK

Pet vs Cattle

[Martin Fowler - Snowflake Server (2012)]

[Gavin McCance - CERN Data Centre Evolution (2012)]



Simian Army

@Netflix

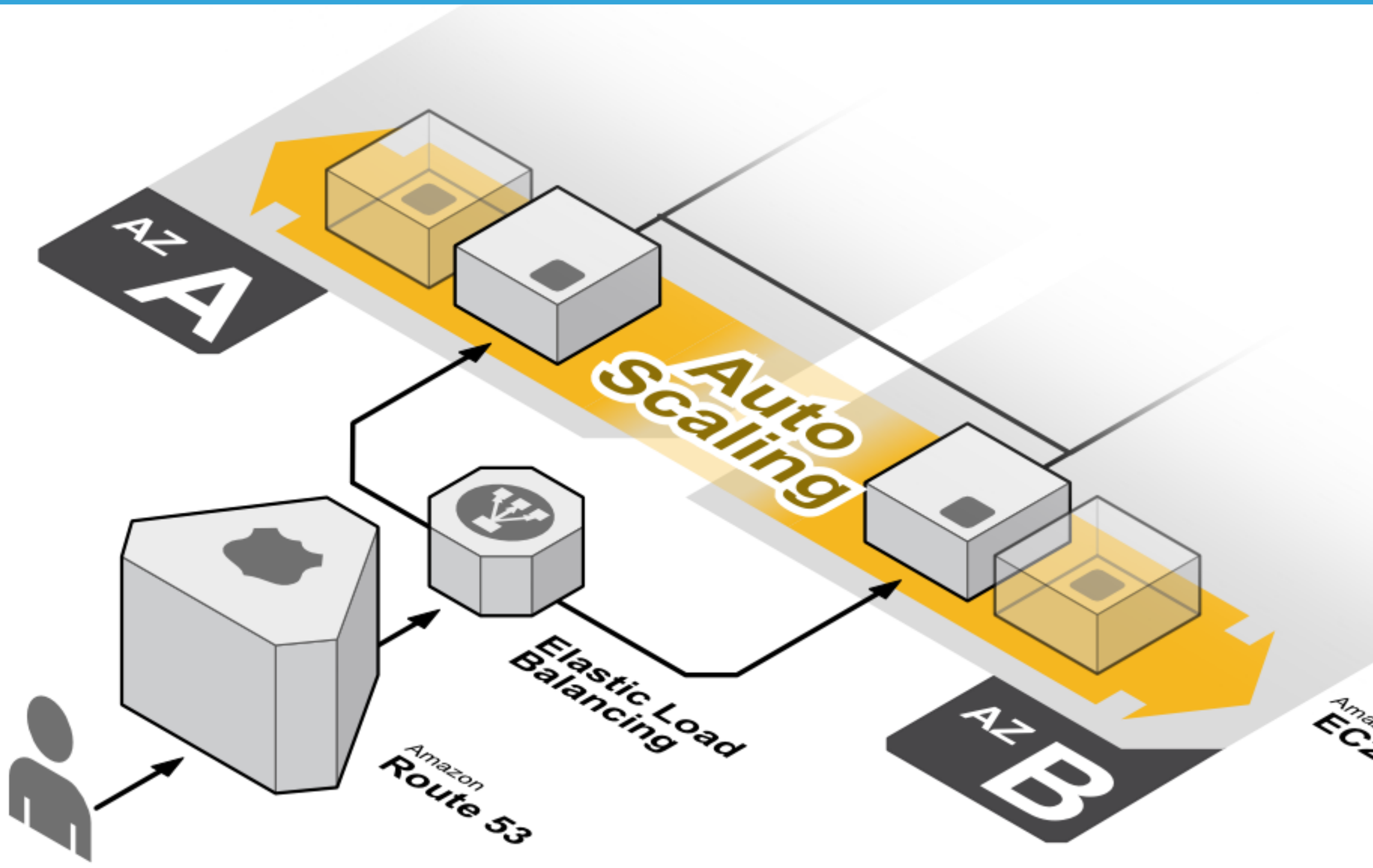
Chaos Monkey

@Netflix

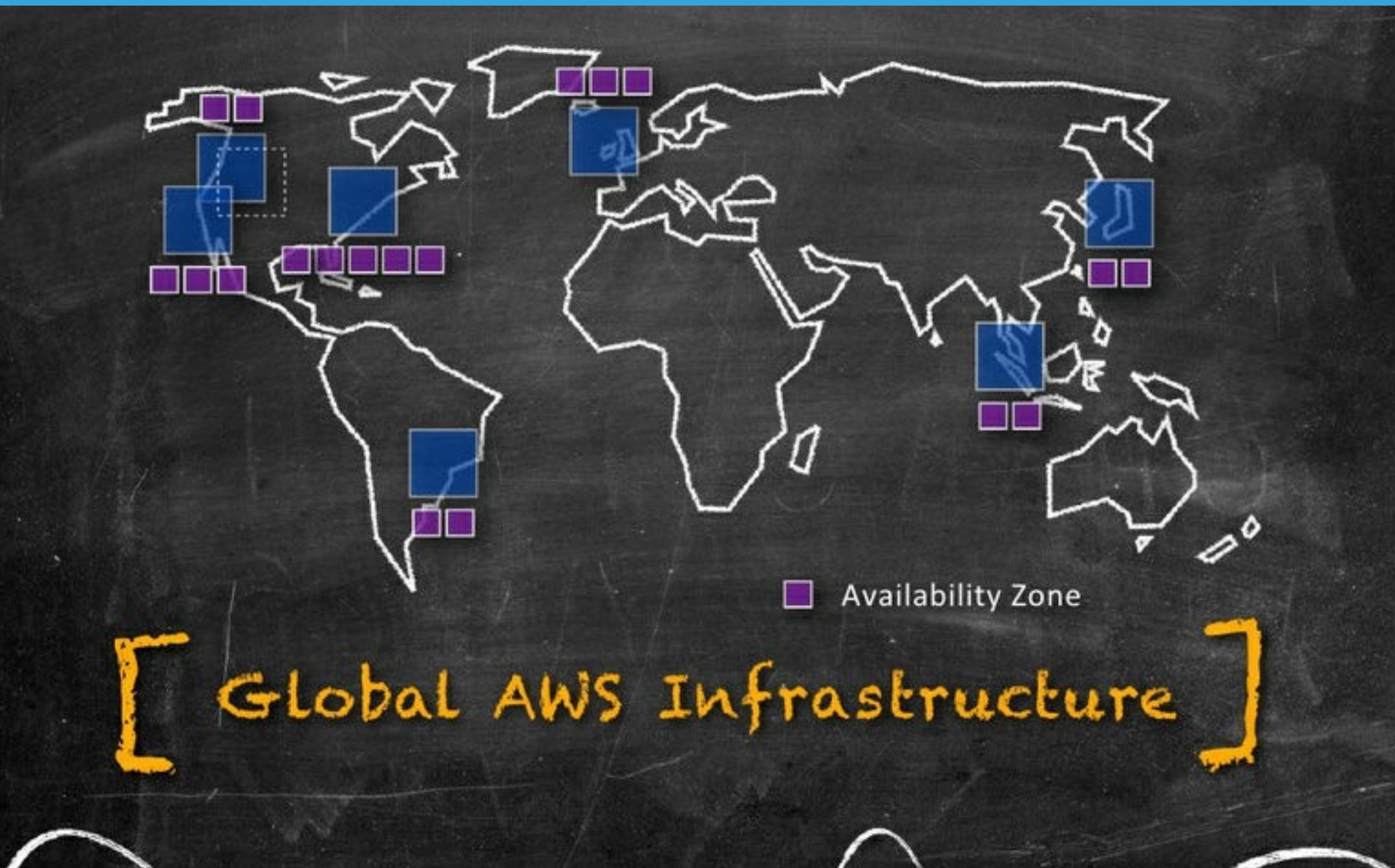
AWS

Elasticsearch @ AWS

Autoscaling Group



Cross AZ



Chaos Monkey

@Netflix

Démo

https://github.com/vspiewak/ces-2015-talk

Setup avec Ansible

- Création d'une instances EC2
- Configuration d'Elasticsearch avec le plugin AWS
- Création de l'AMI
- Création de l'ELB
- Création de la LaunchConfiguration
- Création de l'AutoScalingGroup

Cluster Elasticsearch

ELB Cross AZ

Create Load Balancer | Actions

Filter: Search Load Balancers

1 to 1 of 1

Load Balancer Name	DNS Name	Port Configuration	Availability Zones	Instance Cou
ces2015-asg-elasticsearch-elb	ces2015-asg-elasticsearch-elb-…	9200 (HTTP) forwarding to 9…	eu-west-1b, eu-west-1c…	3 Instances

Description | Instances | Health Check | Monitoring | Security | Listeners | Tags

DNS Name: ces2015-asg-elasticsearch-elb-1716569693.eu-west-1.elb.amazonaws.com (A Record)

Note: Because the set of IP addresses associated with a LoadBalancer can change over time, you should never create an "A" record with any specific IP address. If you want to use a friendly DNS name for your load balancer instead of the name generated by the Elastic Load Balancing service, you should create a CNAME record for the LoadBalancer DNS name, or use Amazon Route 53 to create a hosted zone. For more information, see Using Domain Names With Elastic Load Balancing.

Scheme: internet-facing

Status: 3 of 3 instances in service

Port Configuration: 9200 (HTTP) forwarding to 9200 (HTTP)
Stickiness: Disabled (Edit)

Availability Zones: subnet-3cc79159 - eu-west-1b,
subnet-4cec7c15 - eu-west-1a,
subnet-66fb8511 - eu-west-1c

ELB Instances

Create Load Balancer | Actions

Filter: Search Load Balancers | 1 to 1 of 1

Load Balancer Name	DNS Name	Port Configuration	Availability Zones	Instance Cou
ces2015-asg-elasticsearch-elb	ces2015-asg-elasticsearch-elb-…	9200 (HTTP) forwarding to 9…	eu-west-1b, eu-west-1c…	3 Instances

Edit Instances

Instance ID	Name	Availability Zone	Status	Actions
i-1cf12aa5	ces2015.asg.elasticsearch_node	eu-west-1b	InService	Remove from Load Balancer
i-29cfcb90	ces2015.asg.elasticsearch_node	eu-west-1c	InService	Remove from Load Balancer
i-de72cf53	ces2015.asg.elasticsearch_node	eu-west-1a	InService	Remove from Load Balancer

Edit Availability Zones

Availability Zone	Subnet ID	Subnet CIDR	Instance Count	Healthy?	Actions
eu-west-1b	subnet-3cc79159	172.31.0.0/20	1	Yes	Remove from Load Balancer
eu-west-1c	subnet-66fb8511	172.31.16.0/20	1	Yes	Remove from Load Balancer
eu-west-1a	subnet-4cec7c15	172.31.32.0/20	1	Yes	Remove from Load Balancer

Launch Configuration

Create launch configuration | Create Auto Scaling group | Actions

Filter: Filter launch configurations... | 1 to 1 of 1 Launch Configurations

Name	AMI ID	Instance Type	Spot Price	Creation Time
ces2015.asg.e...	ami-c09134b3	t2.micro		November 21, 2015 4:27:13 PM...

Launch Configuration: ces2015.asg.elasticsearch.launchconfiguration

Details

Copy launch configuration

AMI ID	ami-c09134b3	**Instance Type**	t2.micro
IAM Instance Profile		**Kernel ID**	
Key Name	vspiewak	**Monitoring**	false
EBS Optimized	false	**Security Groups**	vpc-d28becb7_ces2015_asg_elasticsearch_node_sg
Spot Price		**Creation Time**	Sat Nov 21 16:27:13 GMT+100 2015
RAM Disk ID		**Block Devices**	-
User data	-	**IP Address Type**	Only assign a public IP address to instances launched in the default VPC and subnet. (default)

Auto Scaling Group

Create Auto Scaling group | Actions

Filter: Filter Auto Scaling groups...

1 to 1 of 1 Auto Scaling Groups

Name	Launch Configuration	Instances	Desired	Min	Max	Availability Zones	Defaul
ces2015.asg.e…	ces2015.asg.elasticsea…	3	3	3	10	eu-west-1a, eu-west-1b, eu-west-1c	0

Auto Scaling Group: ces2015.asg.elasticsearch.autoscalinggroup

Details | Activity History | Scaling Policies | **Instances** | Notifications | Tags

Actions

Filter: Any Health Status | Any Lifecycle State | Filter instances...

1 to 3 of 3 Instances

Instance ID	Lifecycle	Launch Configuration Name	Availability Zone	Health Status
i-1cf12aa5	InService	ces2015.asg.elasticsearch.launchconfiguration	eu-west-1b	Healthy
i-29cfcb90	InService	ces2015.asg.elasticsearch.launchconfiguration	eu-west-1c	Healthy
i-de72cf53	InService	ces2015.asg.elasticsearch.launchconfiguration	eu-west-1a	Healthy

Chaos Monkey !

1. java

```
17:50:51.350 [main] INFO  c.n.s.b.c.BasicConformityMonkeyContext - Conformity Monkey is running in: [eu-west-1]
17:50:51.352 [main] INFO  c.n.s.b.c.BasicConformityMonkeyContext - Discovery/Eureka is not enabled, the conformity rules that need Eureka are not added.
17:50:51.361 [main] INFO  com.netflix.simianarmy.MonkeyRunner - Starting CHAOS Monkey
17:50:51.737 [main] INFO  com.netflix.simianarmy.MonkeyRunner - Starting VOLUME_TAGGING Monkey
17:50:51.737 [pool-1-thread-1] INFO  com.netflix.simianarmy.Monkey - CHAOS Monkey Running ...
17:50:51.738 [pool-1-thread-1] INFO  c.n.simianarmy.client.aws.AWSClient - Getting all auto-scaling groups in region eu-west-1.
17:50:51.835 [main] INFO  com.netflix.simianarmy.MonkeyRunner - Starting JANITOR Monkey
17:50:51.835 [pool-2-thread-1] INFO  com.netflix.simianarmy.Monkey - VOLUME_TAGGING Monkey Running ...
17:50:51.836 [pool-2-thread-1] INFO  c.n.s.a.janitor.VolumeTaggingMonkey - Volume tagging monkey is not enabled. You can set simianarmy.volumeTagging.enabled to true to enable it.
17:50:51.836 [pool-2-thread-1] INFO  com.netflix.simianarmy.Monkey - Reporting what I did...

17:50:51.940 [pool-3-thread-1] INFO  com.netflix.simianarmy.Monkey - JANITOR Monkey Running ...
17:50:51.940 [main] INFO  com.netflix.simianarmy.MonkeyRunner - Starting CONFORMITY Monkey
17:50:51.940 [pool-3-thread-1] INFO  c.n.s.b.janitor.BasicJanitorMonkey - JanitorMonkey disabled, set simianarmy.janitor.enabled=true
17:50:51.940 [pool-3-thread-1] INFO  com.netflix.simianarmy.Monkey - Reporting what I did...

17:50:52.045 [pool-4-thread-1] INFO  com.netflix.simianarmy.Monkey - CONFORMITY Monkey Running ...
17:50:52.045 [pool-4-thread-1] INFO  c.n.s.b.c.BasicConformityMonkey - Conformity Monkey is disabled, set simianarmy.conformity.enabled=true
17:50:52.046 [pool-4-thread-1] INFO  com.netflix.simianarmy.Monkey - Reporting what I did...

17:50:52.250 [pool-1-thread-1] INFO  c.n.simianarmy.client.aws.AWSClient - Got 1 auto-scaling groups in region eu-west-1.
17:50:52.357 [pool-1-thread-1] INFO  c.n.s.basic.chaos.BasicChaosMonkey - Group ces2015.asg.elasticsearch.autoscalinggroup [type ASG] enabled [prob 6.0]
17:50:52.357 [pool-1-thread-1] INFO  c.n.s.b.c.BasicChaosInstanceSelector - Group ces2015.asg.elasticsearch.autoscalinggroup [type ASG] has disabled probability: 0.0
17:50:52.357 [pool-1-thread-1] INFO  c.n.s.b.c.BasicChaosInstanceSelector - Randomly selecting 1 from 3 instances, excluding null
17:50:52.615 [pool-1-thread-1] INFO  c.n.simianarmy.client.aws.AWSClient - Terminating instance i-de72cf53 in region eu-west-1.
17:50:53.013 [pool-1-thread-1] INFO  c.n.s.basic.chaos.BasicChaosMonkey - Terminated i-de72cf53 from group ces2015.asg.elasticsearch.autoscalinggroup [ASG] with ShutdownInstance
17:50:53.014 [pool-1-thread-1] INFO  com.netflix.simianarmy.Monkey - Reporting what I did...
CHAOS_TERMINATION i-de72cf53 (groupType:ASG, groupName:ces2015.asg.elasticsearch.autoscalinggroup)

> Building 75% > :jettyRun > Running at http://localhost:8080/simianarmy
```

ELB

Create Load Balancer | Actions

Filter: Search Load Balancers

1 to 1 of 1

Load Balancer Name	DNS Name	Port Configuration	Availability Zones	Instance Cou
ces2015-asg-elasticsearch-elb	ces2015-asg-elasticsearch-elb-…	9200 (HTTP) forwarding to 9…	eu-west-1b, eu-west-1c…	2 Instances

Instance ID	Name	Availability Zone	Status	Actions
i-1cf12aa5	ces2015.asg.elasticsearch_node	eu-west-1b	InService	Remove from Load Balancer
i-29cfcb90	ces2015.asg.elasticsearch_node	eu-west-1c	InService	Remove from Load Balancer

Edit Availability Zones

Availability	Subnet ID	Subnet	Instance	Healthy?	Actions
eu-west-1b	subnet-3cc79159	172.31.0.0/20	1	Yes	Remove from Load Balancer
eu-west-1c	subnet-66fb8511	172.31.16.0/20	1	Yes	Remove from Load Balancer
eu-west-1a	subnet-4cec7c15	172.31.32.0/20	0	No (Availability Zone contains no healthy instances)	Remove from Load Balancer

Elasticsearch

Not yet in service !

Create Auto Scaling group | Actions

Filter: Filter Auto Scaling groups... | 1 to 1 of 1 Auto Scaling Groups

Name	Launch Configuration	Instances	Desired	Min	Max	Availability Zones	Defaul
ces2015.asg.e…	ces2015.asg.elasticsea…	2	3	3	10	eu-west-1a, eu-west-1b, eu-west-1c	0

Auto Scaling Group: ces2015.asg.elasticsearch.autoscalinggroup

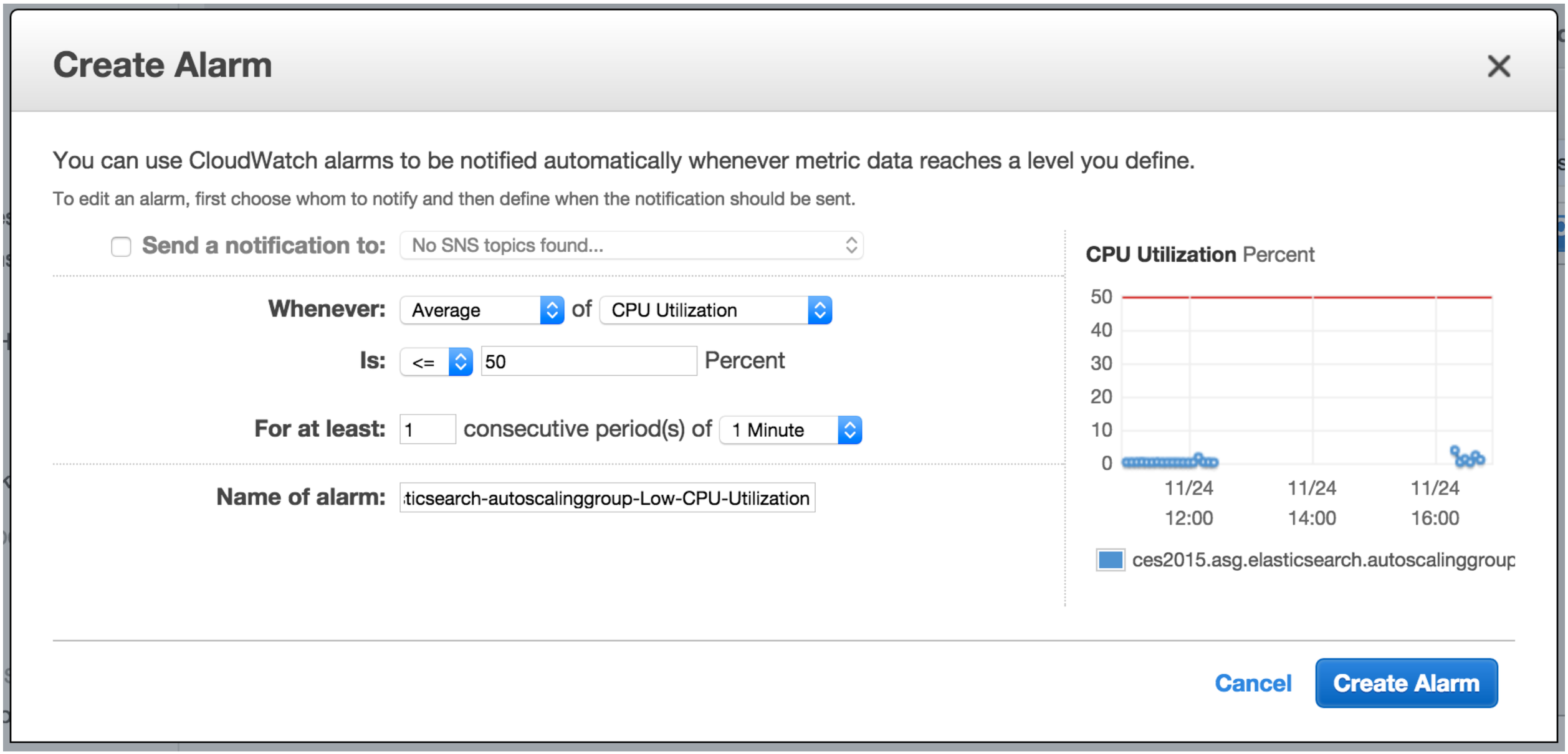
Details | **Activity History** | Scaling Policies | Instances | Notifications | Tags

Filter: Any Status | Filter scaling history… | 1 to 25 of 104 History Items

Status	Description	Start Time	End Time
Not yet in service	Launching a new EC2 instance: i-1a6ed397	2015 November 24 17:51:52 UTC+1	
Successful	Terminating EC2 instance: i-de72cf53	2015 November 24 17:51:20 UTC+1	2015 November 24 17:51:24 UTC
Successful	Launching a new EC2 instance: i-de72cf53	2015 November 24 17:39:51 UTC+1	2015 November 24 17:40:25 UTC

Elasticsearch

Create Alarm



Scaling Policy

Create Scaling policy

Cancel | Create

Name: my-scaling-policy

Execute policy when: awsec2-ces2015-asg-elasticsearch-autoscalinggroup-Low-CPU-Utilization | Create new alarm

breaches the alarm threshold: CPUUtilization <= 50 for 60 seconds
for the metric dimensions AutoScalingGroupName = ces2015.asg.elasticsearch.autoscalinggroup

Take the action: Add 1 instances when 50 >= CPUUtilization > -infinity

Add step

Instances need: 0 seconds to warm up after each step

Create a simple scaling policy

Alarm trigger

Filter: Filter Auto Scaling groups... 1 to 1 of 1 Auto Scaling Groups

Name	Launch Configuration	Instances	Desired	Min	Max	Availability Zones	Defaul
ces2015.asg.e…	ces2015.asg.elasticsea…	3	3	3	10	eu-west-1a, eu-west-1b, eu-west-1c	0

Details | **Activity History** | Scaling Policies | Instances | Notifications | Tags

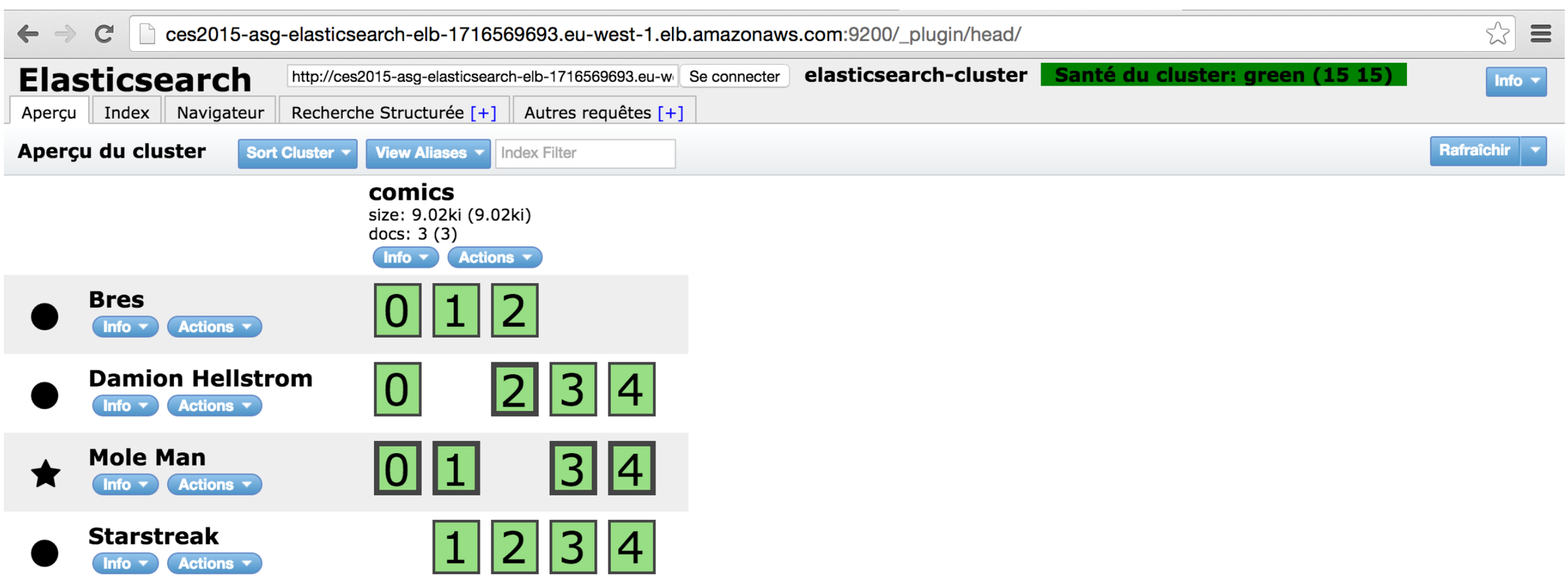
Filter: Any Status Filter scaling history… 1 to 25 of 105 History Items

Status	Description	Start Time	End Time
Successful	Launching a new EC2 instance: i-09ef34b0	2015 November 24 17:55:52 UTC+1	2015 November 24 17:56:56 UTC+1

Description: Launching a new EC2 instance: i-09ef34b0

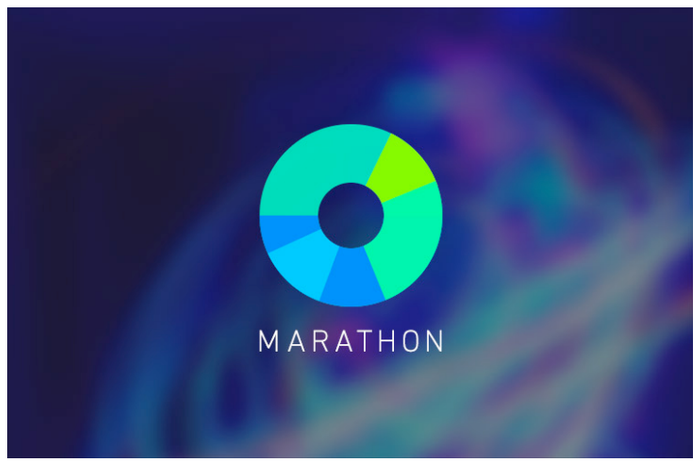
Cause: At 2015-11-24T16:55:30Z a monitor alarm awsec2-ces2015-asg-elasticsearch-autoscalinggroup-Low-CPU-Utilization in state ALARM triggered policy my-scaling-policy changing the desired capacity from 3 to 4. At 2015-11-24T16:55:51Z an instance was started in response to a difference between desired and actual capacity, increasing the capacity from 3 to 4.

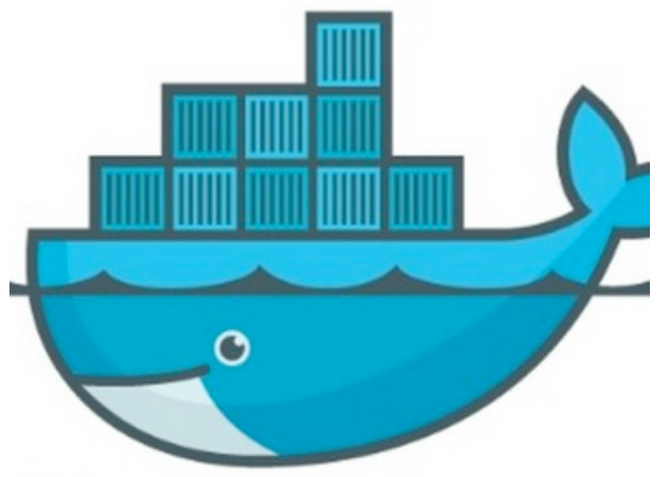
Elasticsearch



ON PREMISE

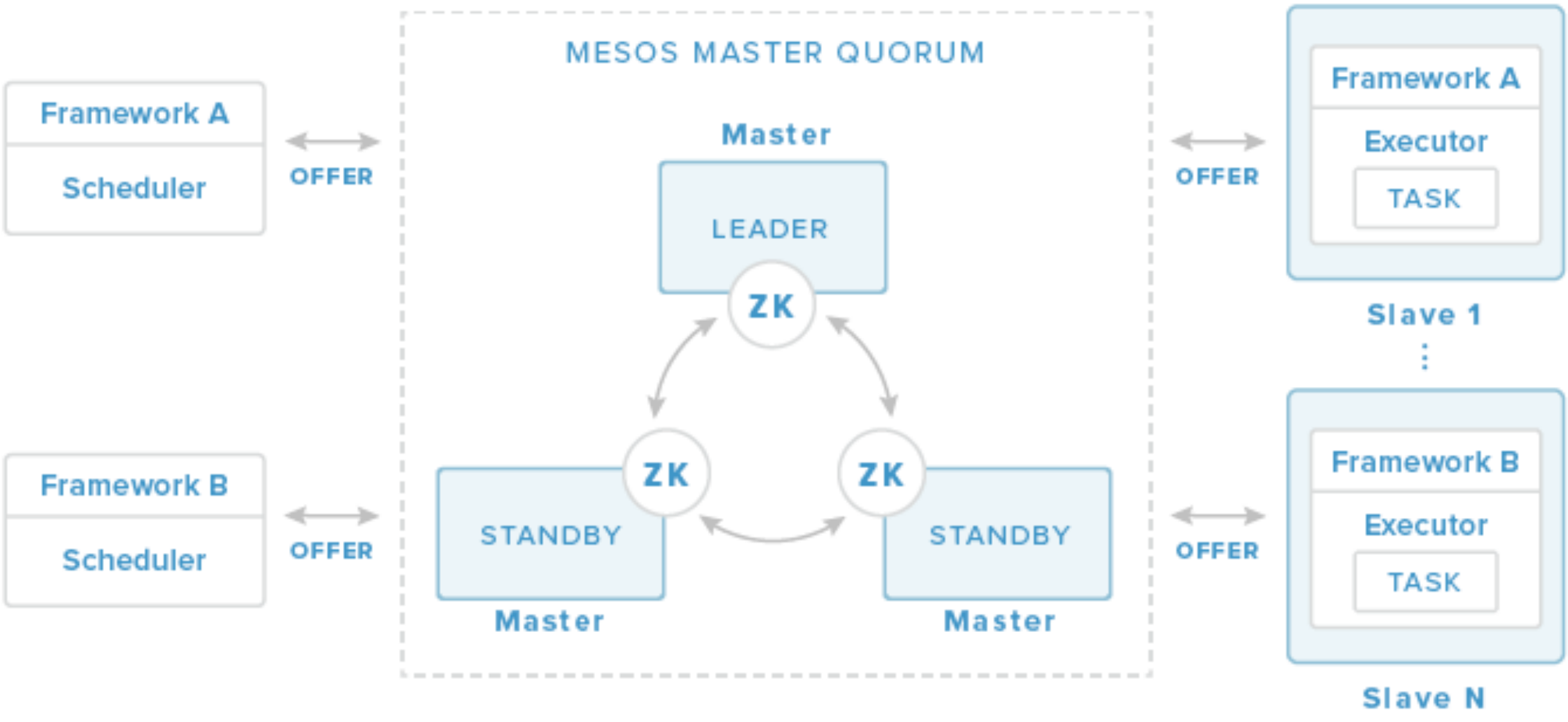
Mesosphere



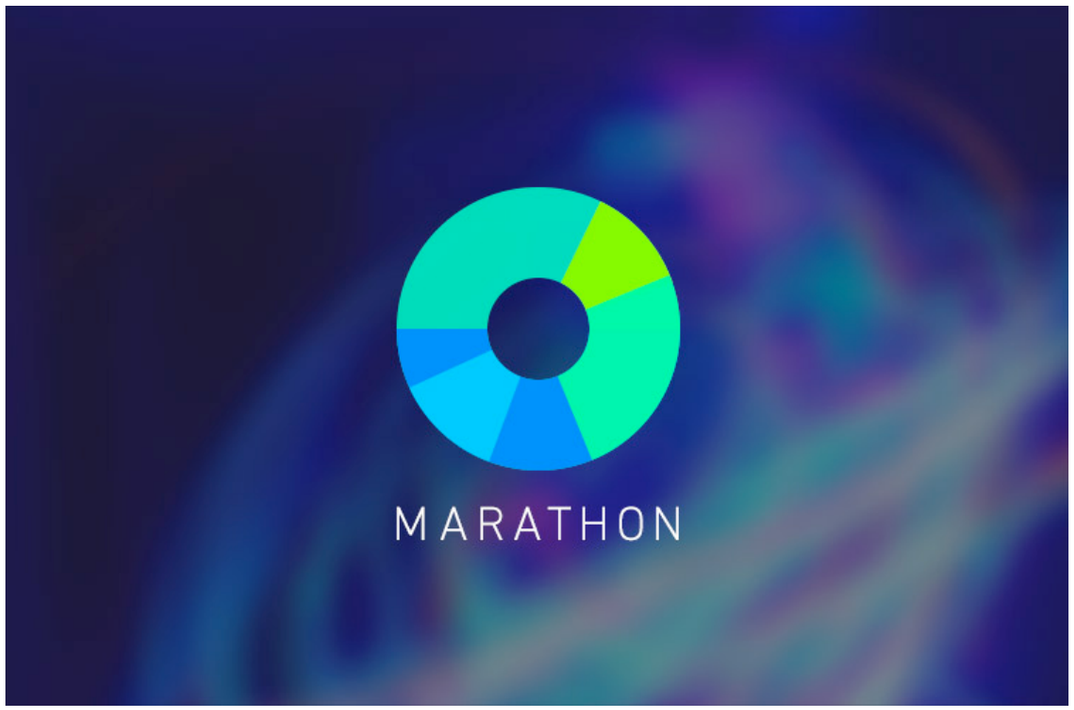


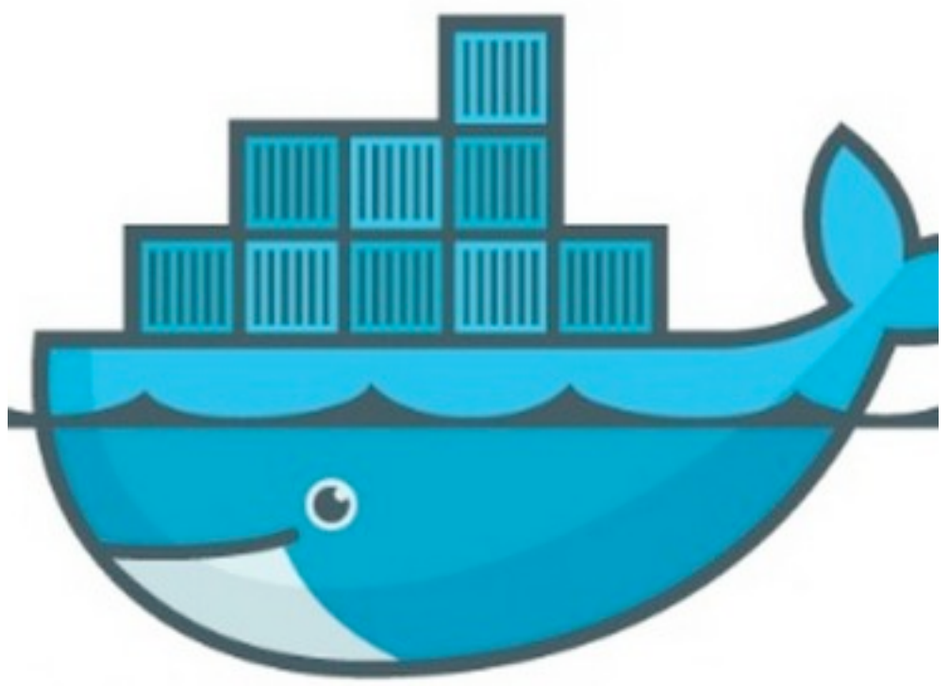
Mesos

@Twitter / AirBnB



Marathon / Docker





Démo

https://github.com/vspiewak/ces-2015-talk

Setup avec Ansible

- Création des instances EC2
- Configuration de Zookeeper
- Configuration des Mesos Masters
- Configuration des Mesos Slaves
- Configuration de Marathon
- Configuration de Sensu

Setup avec Ansible

3. bash

```
MAC0119385:ansible-mesosphere vince$ ansible-playbook -i inventory/ec2.py playbooks/site.yml

PLAY [ces2015_dev_zookeeper] ***************************************************

GATHERING FACTS ****************************************************************
ok: [52.31.227.227]
ok: [52.31.209.253]
ok: [52.31.219.168]

TASK: [all | Configuring Timezone] *********************************************
changed: [52.31.227.227]
changed: [52.31.209.253]
changed: [52.31.219.168]

TASK: [all | Update APT] *******************************************************
ok: [52.31.227.227]
ok: [52.31.209.253]
ok: [52.31.219.168]

TASK: [all | Install curl] *****************************************************
ok: [52.31.227.227]
ok: [52.31.209.253]
ok: [52.31.219.168]

TASK: [all | Install NTP] ******************************************************
ok: [52.31.227.227]
ok: [52.31.219.168]
ok: [52.31.209.253]

TASK: [all | Enable NTP service] ***********************************************
changed: [52.31.227.227]
changed: [52.31.209.253]
changed: [52.31.219.168]

TASK: [java | Install WebUpd8 APT Key] *****************************************
```

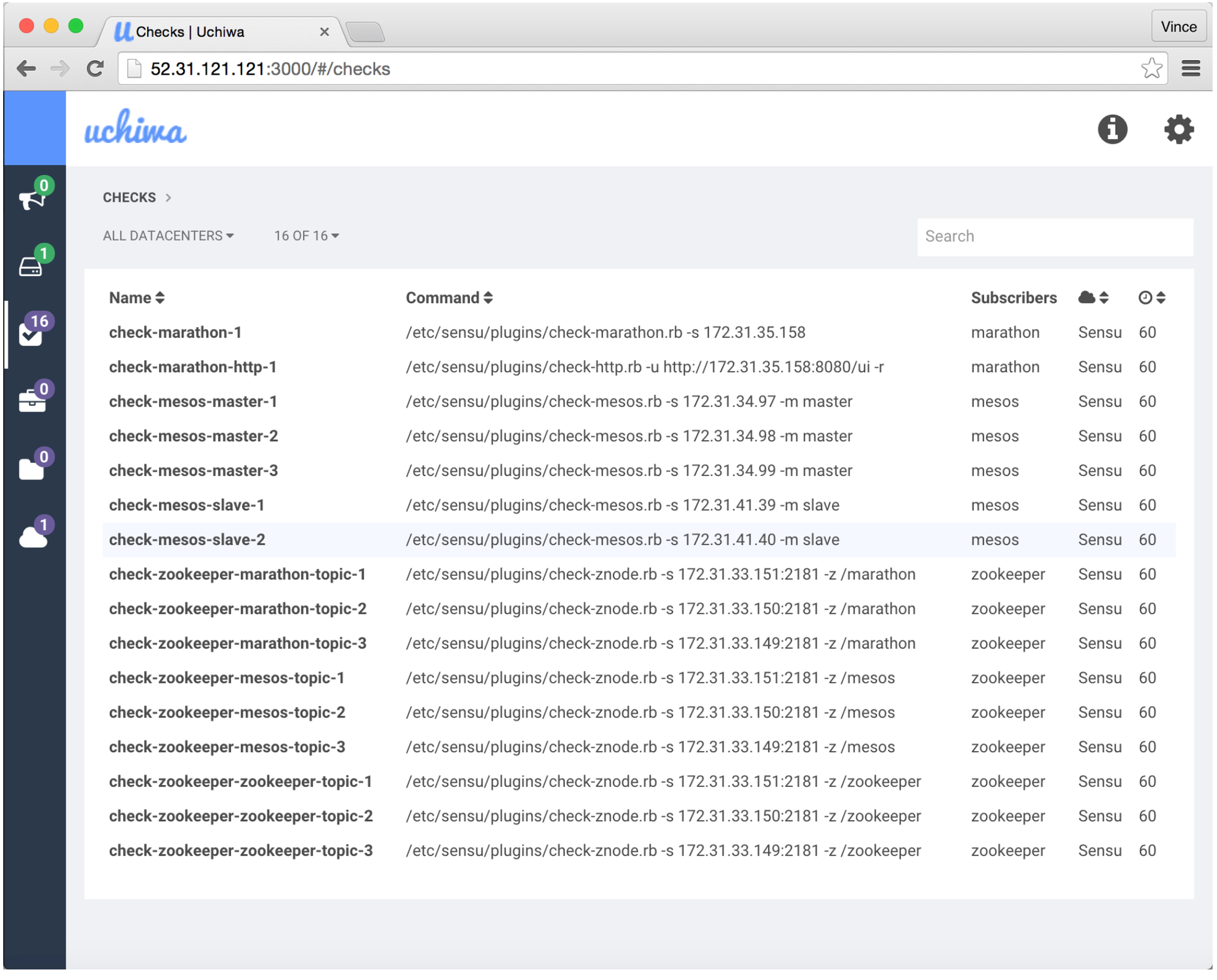
Stack Mesosphere

Launch Instance | Connect | Actions

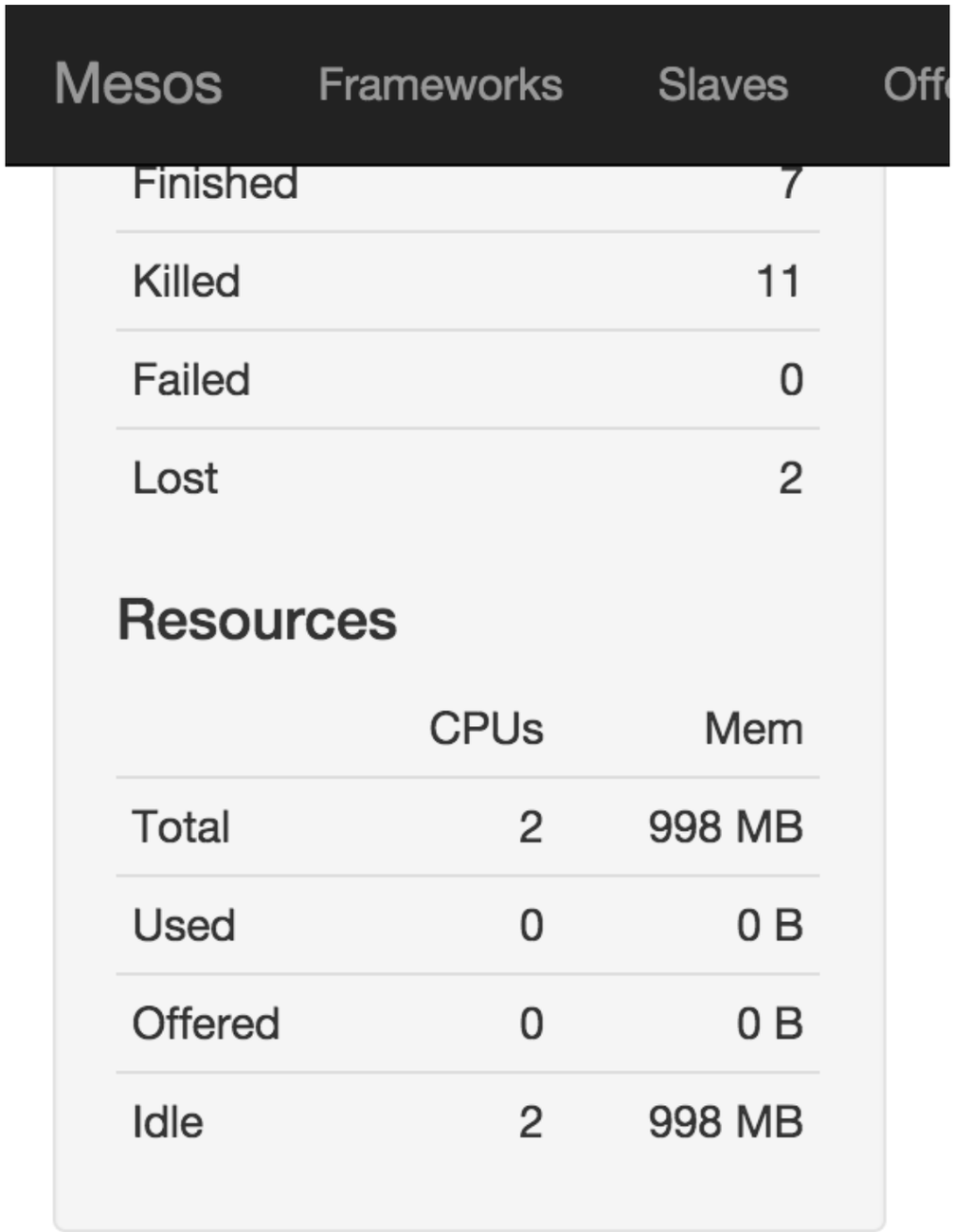
Filter by tags and attributes or search by keyword

Name	Instance ID	Instance Type	Availability Zone	Instance State
ces2015.dev.marathon	i-259feb9d	t2.micro	eu-west-1a	running
ces2015.dev.mesos_master	i-389feb80	t2.micro	eu-west-1a	running
ces2015.dev.mesos_master	i-399feb81	t2.micro	eu-west-1a	running
ces2015.dev.mesos_master	i-3a9feb82	t2.micro	eu-west-1a	running
ces2015.dev.mesos_slave	i-689de9d0	t2.micro	eu-west-1a	running
ces2015.dev.mesos_slave	i-6b9de9d3	t2.micro	eu-west-1a	running
ces2015.dev.zookeeper	i-8b9eea33	t2.micro	eu-west-1a	running
ces2015.dev.zookeeper	i-949eea2c	t2.micro	eu-west-1a	running
ces2015.dev.zookeeper	i-959eea2d	t2.micro	eu-west-1a	running
ces2015.dev.sensu	i-f09eea48	t2.micro	eu-west-1a	running

Monitoring Sensu



Mesos Resources



Mesos Frameworks

Mesos | Frameworks | Slaves | Offers | ces2015.dev.mesos-cluster

Active Frameworks

Find...

ID ▼	Host	User	Name	Active Tasks	CPUs	Mem	Max Share	Registered	Re-Registered
…9256-f3ae63a77a28-0000	52.30.41.21	root	marathon	0	0	0 B	0%	2 hours ago	-

Terminated Frameworks

ID ▼	Host	User	Name	Registered	Unregistered

Mesos Slaves

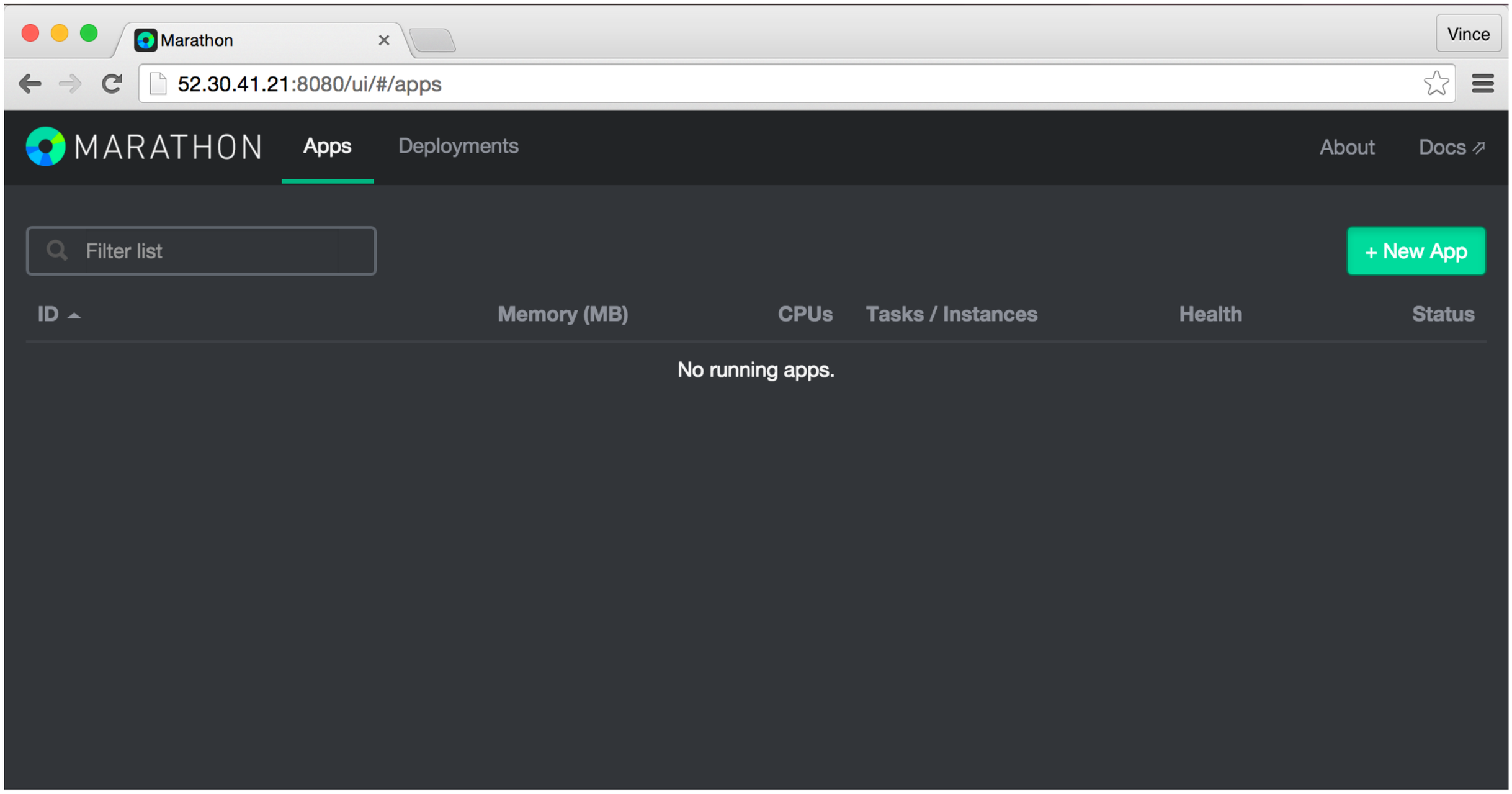
Mesos | Frameworks | **Slaves** | Offers | ces2015.dev.mesos-cluster

Slaves

Find...

ID ▼	Host	CPUs	Mem	Disk	Registered	Re-Registered
...9256-f3ae63a77a28-S4	54.77.114.70	1	499 MB	3.9 GB	2 hours ago	
...9256-f3ae63a77a28-S2	52.30.161.43	1	499 MB	3.9 GB	2 hours ago	

Marathon

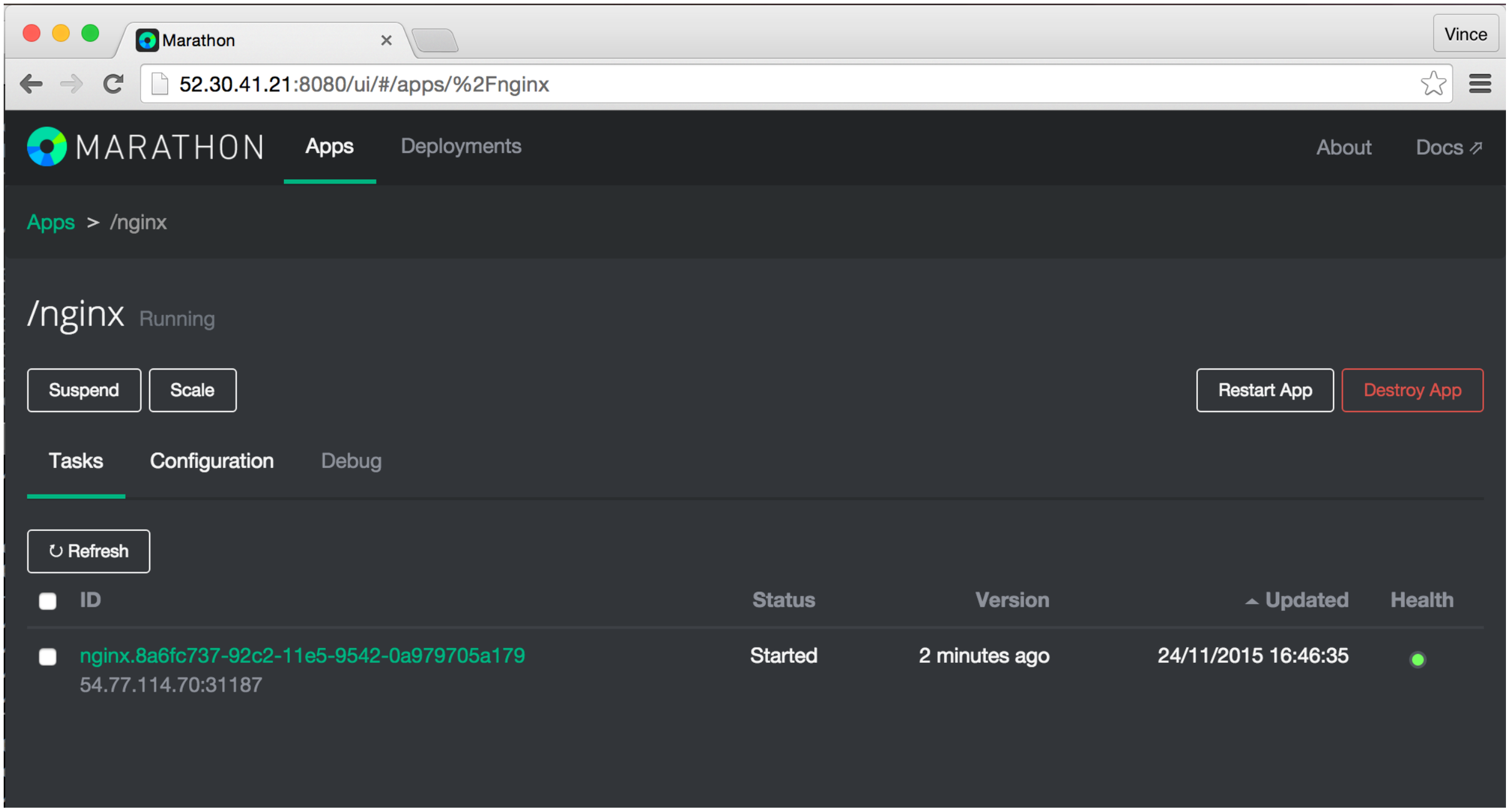

Marathon
Vince
52.30.41.21:8080/ui/#/apps
MARATHON
Apps
Deployments
About
Docs
Filter list
+ New App
ID
Memory (MB)
CPUs
Tasks / Instances
Health
Status
No running apps.

Deploy NGiNX

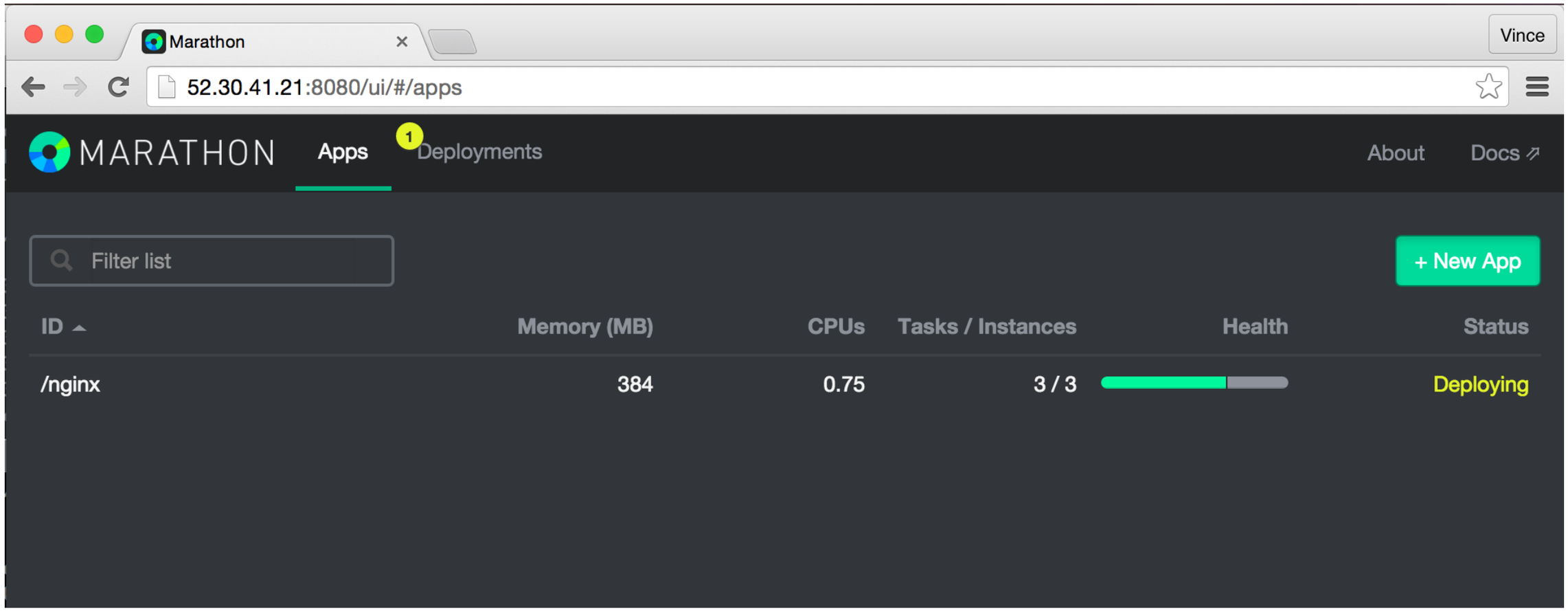
3. bash

```
MAC0119385:ansible-mesosphere vince$ cat nginx.json
{
  "id": "nginx",
  "cpus": 0.25,
  "mem": 128.0,
  "instances": 1,
  "container": {
    "type": "DOCKER",
    "docker": {
      "image": "vspiewak/nginx",
      "network": "BRIDGE",
      "portMappings": [
        { "containerPort": 80, "hostPort": 0, "servicePort": 0, "protocol": "tcp" }
      ]
    }
  },
  "healthChecks": [
    {
      "protocol": "HTTP",
      "portIndex": 0,
      "path": "/",
      "gracePeriodSeconds": 5,
      "intervalSeconds": 20,
      "maxConsecutiveFailures": 3
    }
  ]
}
MAC0119385:ansible-mesosphere vince$ curl -XPOST -H 'Content-Type: application/json' http://52.30.41.21:8080/v2/apps -d @nginx.json
{"id":"/nginx","cmd":null,"args":null,"user":null,"env":{},"instances":1,"cpus":0.25,"mem":128.0,"disk":0.0,"executor":"","constrain
ts":[],"uris":[],"storeUrls":[],"ports":[0],"requirePorts":false,"backoffSeconds":1,"backoffFactor":1.15,"maxLaunchDelaySeconds":360
0,"container":{"type":"DOCKER","volumes":[],"docker":{"image":"vspiewak/nginx","network":"BRIDGE","portMappings":[{"containerPort":8
0,"hostPort":0,"servicePort":0,"protocol":"tcp"}],"privileged":false,"parameters":[],"forcePullImage":false}},"healthChecks":[{"path
":"/","protocol":"HTTP","portIndex":0,"gracePeriodSeconds":5,"intervalSeconds":20,"timeoutSeconds":20,"maxConsecutiveFailures":3,"ig
noreHttp1xx":false}],"dependencies":[],"upgradeStrategy":{"minimumHealthCapacity":1.0,"maximumOverCapacity":1.0},"labels":{},"accept
edResourceRoles":null,"version":"2015-11-24T15:46:34.819Z","tasksStaged":0,"tasksRunning":0,"tasksHealthy":0,"tasksUnhealthy":0,"dep
loyments":[{"id":"866508ec-6432-415a-bd0a-700259b424ee"}],"tasks":[]}MAC0119385:ansible-mesosphere vince$
```

Marathon App



Scale


Marathon
Vince
52.30.41.21:8080/ui/#/apps
MARATHON
Apps
1
Deployments
About
Docs
Filter list
+ New App
ID
Memory (MB)
CPUs
Tasks / Instances
Health
Status
/nginx
384
0.75
3 / 3
Deploying

killall nginx

3. admin@ip-172-

admin@ip-172-31-41-39: ~

```
root@ip-172-31-41-39:/home/admin# docker logs -f 0fbb5cdd9d85
2015-11-24 15:48:52,924 CRIT Supervisor running as root (no user in config file)
2015-11-24 15:48:52,924 WARN Included extra file "/etc/supervisor/conf.d/nginx.conf" d
uring parsing
2015-11-24 15:48:52,942 INFO RPC interface 'supervisor' initialized
2015-11-24 15:48:52,942 CRIT Server 'unix_http_server' running without any HTTP authen
tication checking
2015-11-24 15:48:52,942 INFO supervisord started with pid 1
2015-11-24 15:48:53,944 INFO spawned: 'nginx' with pid 9
2015-11-24 15:48:54,953 INFO success: nginx entered RUNNING state, process has stayed
up for > than 1 seconds (startsecs)
2015-11-24 15:53:26,539 INFO exited: nginx (exit status 0; expected)
2015-11-24 15:53:27,541 INFO spawned: 'nginx' with pid 47
2015-11-24 15:53:28,550 INFO success: nginx entered RUNNING state, process has stayed
up for > than 1 seconds (startsecs)
```

admin@ip-172-31-41-39: ~

```
root@ip-172-31-41-39:/home/admin# docker exec -it 0fbb5cdd9d85 bash
root@0fbb5cdd9d85:/# killall nginx
root@0fbb5cdd9d85:/# ps -eaf
UID        PID  PPID  C STIME TTY          TIME CMD
root         1     0  0 15:48 ?        00:00:00 /usr/bin/python /usr/bin/supervisord -
root        30     0  0 15:53 ?        00:00:00 bash
root        47     1  0 15:53 ?        00:00:00 nginx: master process /usr/sbin/nginx
www-data    48    47  0 15:53 ?        00:00:00 nginx: worker process
www-data    49    47  0 15:53 ?        00:00:00 nginx: worker process
www-data    50    47  0 15:53 ?        00:00:00 nginx: worker process
www-data    51    47  0 15:53 ?        00:00:00 nginx: worker process
root        52    30  0 15:53 ?        00:00:00 ps -eaf
root@0fbb5cdd9d85:/#
```

killall supervisord

4. admin@ip-172-31-41-40: ~ (ssh)

```
root@ip-172-31-41-40:/home/admin# clear
root@ip-172-31-41-40:/home/admin# docker ps -q
693b580efcec
root@ip-172-31-41-40:/home/admin# docker exec -t 693b580efcec killall supervisord
root@ip-172-31-41-40:/home/admin#
root@ip-172-31-41-40:/home/admin# docker ps -q
39a933749e3a
root@ip-172-31-41-40:/home/admin#
```

Stop daemon docker

4. admin@ip-172-31-41-40: ~ (ssh)

```
root@ip-172-31-41-40:/home/admin# clear
root@ip-172-31-41-40:/home/admin# docker ps -q
8328c846ca4d
root@ip-172-31-41-40:/home/admin#
root@ip-172-31-41-40:/home/admin# /etc/init.d/docker stop
[ ok ] Stopping docker (via systemctl): docker.service.
root@ip-172-31-41-40:/home/admin#
root@ip-172-31-41-40:/home/admin# docker ps -q
FATA[0000] Cannot connect to the Docker daemon. Is 'docker -d' running on this host?
root@ip-172-31-41-40:/home/admin#
```

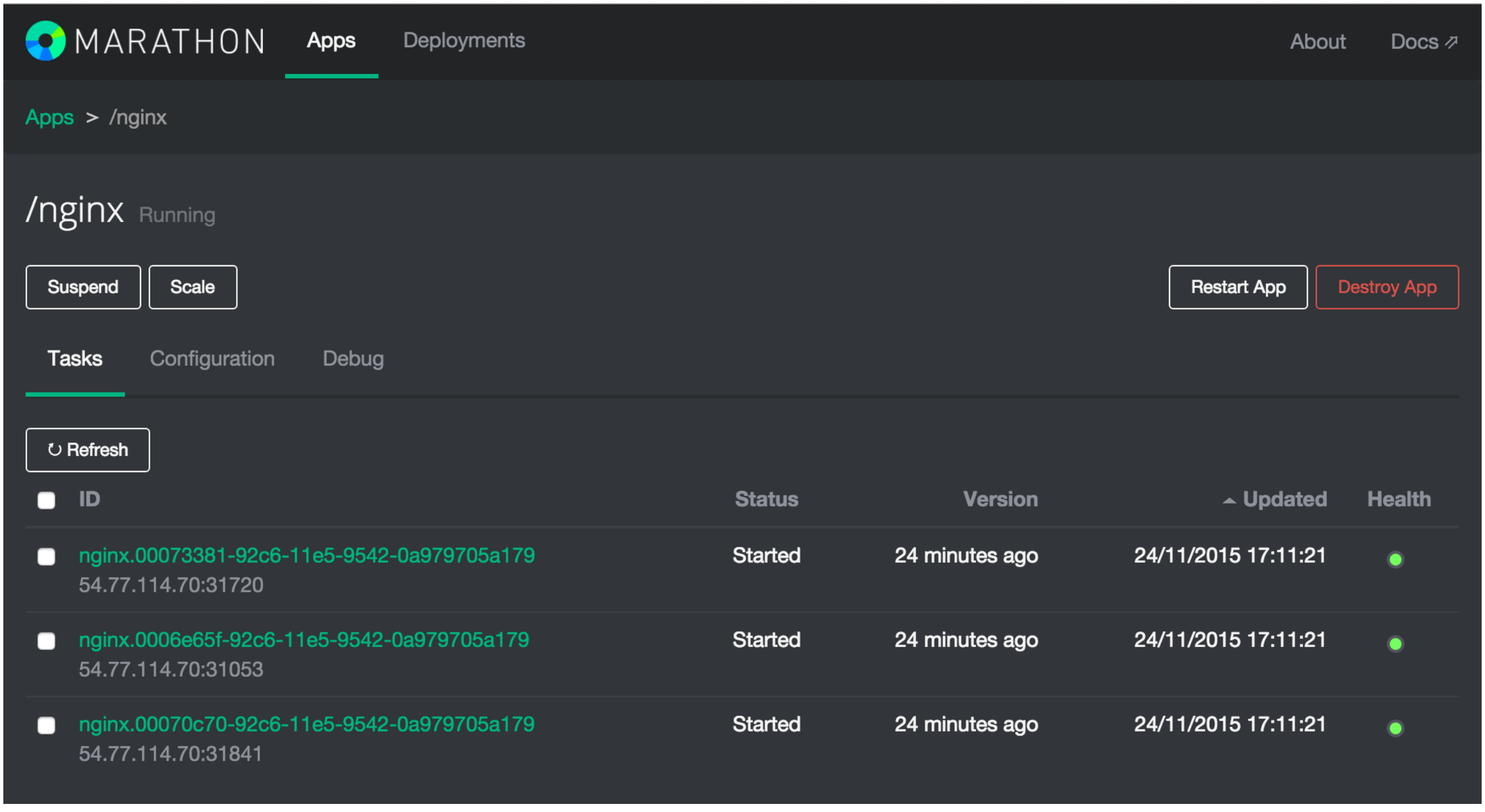
Terminate mesos slave

Filter by tags and attributes or search by keyword

1 to 10 of 10

Name	Instance ID	Instance Type	Availability Zone	Instance State
ces2015.dev.marathon	i-259feb9d	t2.micro	eu-west-1a	running
ces2015.dev.mesos_master	i-389feb80	t2.micro	eu-west-1a	running
ces2015.dev.mesos_master	i-399feb81	t2.micro	eu-west-1a	running
ces2015.dev.mesos_master	i-3a9feb82	t2.micro	eu-west-1a	running
ces2015.dev.mesos_slave	i-689de9d0	t2.micro	eu-west-1a	terminated
ces2015.dev.mesos_slave	i-6b9de9d3	t2.micro	eu-west-1a	running
ces2015.dev.zookeeper	i-8b9eea33	t2.micro	eu-west-1a	running
ces2015.dev.zookeeper	i-949eea2c	t2.micro	eu-west-1a	running
ces2015.dev.zookeeper	i-959eea2d	t2.micro	eu-west-1a	running
ces2015.dev.sensu	i-f09eea48	t2.micro	eu-west-1a	running

Marathon


MARATHON
Apps
Deployments
About
Docs
Apps > /nginx
/nginx Running
Suspend
Scale
Restart App
Destroy App
Tasks
Configuration
Debug
Refresh
ID
Status
Version
Updated
Health
nginx.00073381-92c6-11e5-9542-0a979705a179
54.77.114.70:31720
Started
24 minutes ago
24/11/2015 17:11:21
nginx.0006e65f-92c6-11e5-9542-0a979705a179
54.77.114.70:31053
Started
24 minutes ago
24/11/2015 17:11:21
nginx.00070c70-92c6-11e5-9542-0a979705a179
54.77.114.70:31841
Started
24 minutes ago
24/11/2015 17:11:21

Conclusion

Questions ?