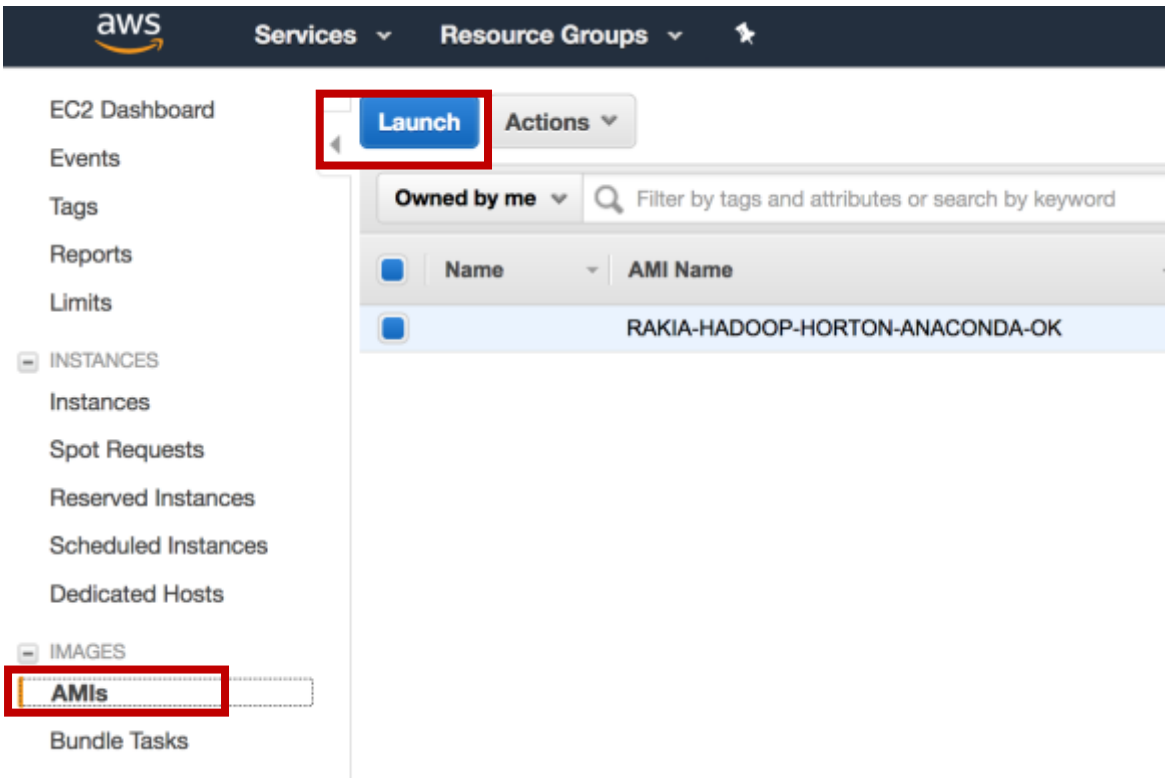
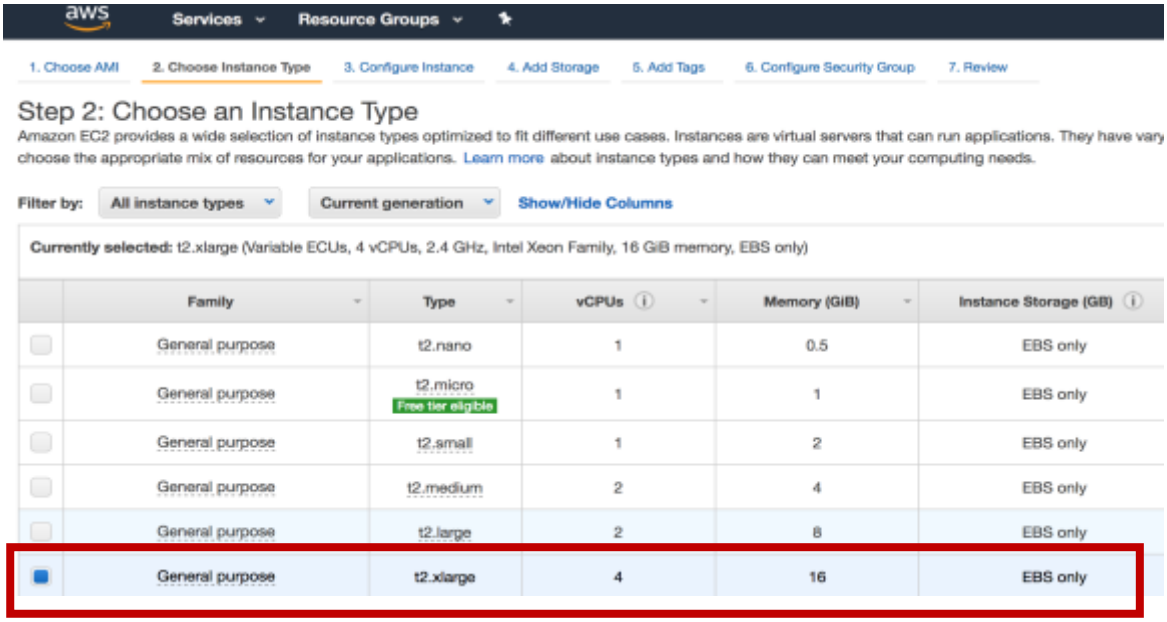
LANCEMENT D'UNE INSTANCE EC2 HADOOP HORTONWORKS DEPUIS UNE IMAGE AMI PREPAREE

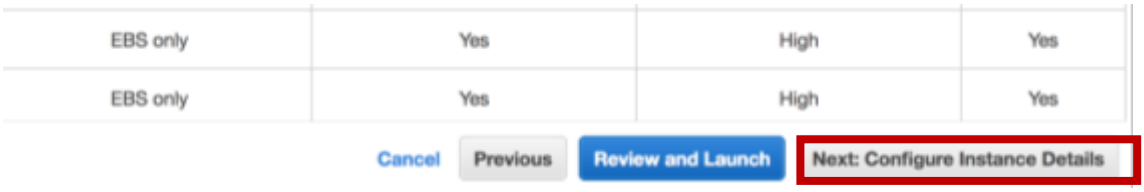
A PARTIR DE L'INTERFACE ROSETTA :

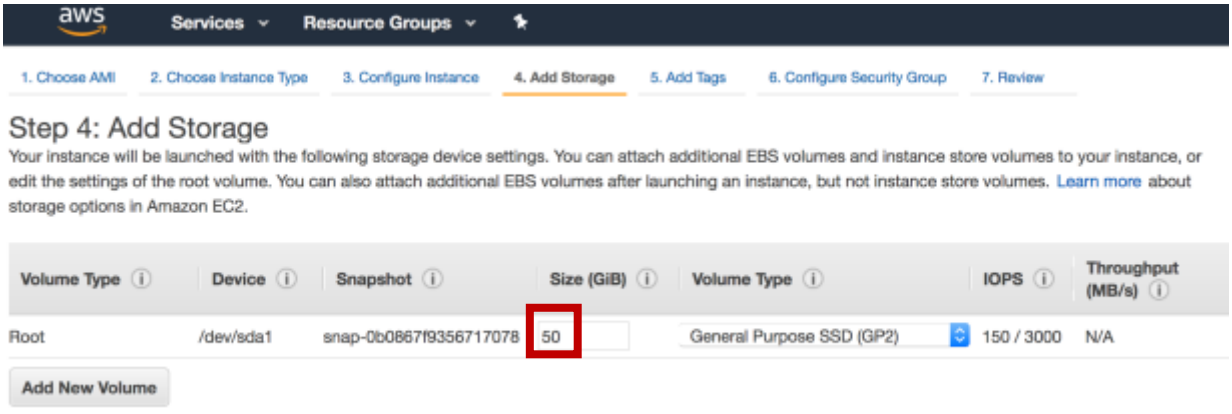
Click on a user to access AWS

cpoc.paris8




aws
Services
Resource Groups
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 2: Choose an Instance Type
Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have vary
choose the appropriate mix of resources for your applications. Learn more about instance types and how they can meet your computing needs.
Filter by:
All instance types
Current generation
Show/Hide Columns
Currently selected: t2.xlarge (Variable ECUs, 4 vCPUs, 2.4 GHz, Intel Xeon Family, 16 GiB memory, EBS only)
Family
Type
vCPUs
Memory (GiB)
Instance Storage (GB)
General purpose
t2.nano
1
0.5
EBS only
General purpose
t2.micro
Free tier eligible
1
1
EBS only
General purpose
t2.small
1
2
EBS only
General purpose
t2.medium
2
4
EBS only
General purpose
t2.large
2
8
EBS only
General purpose
t2.xlarge
4
16
EBS only


EBS only
Yes
High
Yes
EBS only
Yes
High
Yes
Cancel
Previous
Review and Launch
Next: Configure Instance Details


aws
Services
Resource Groups
1. Choose AMI
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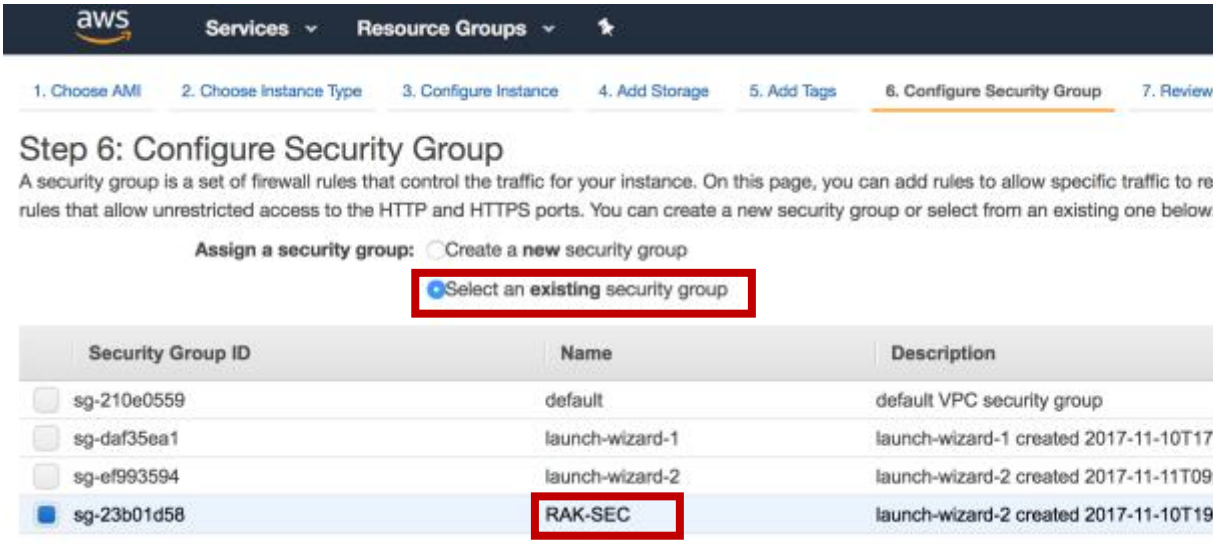
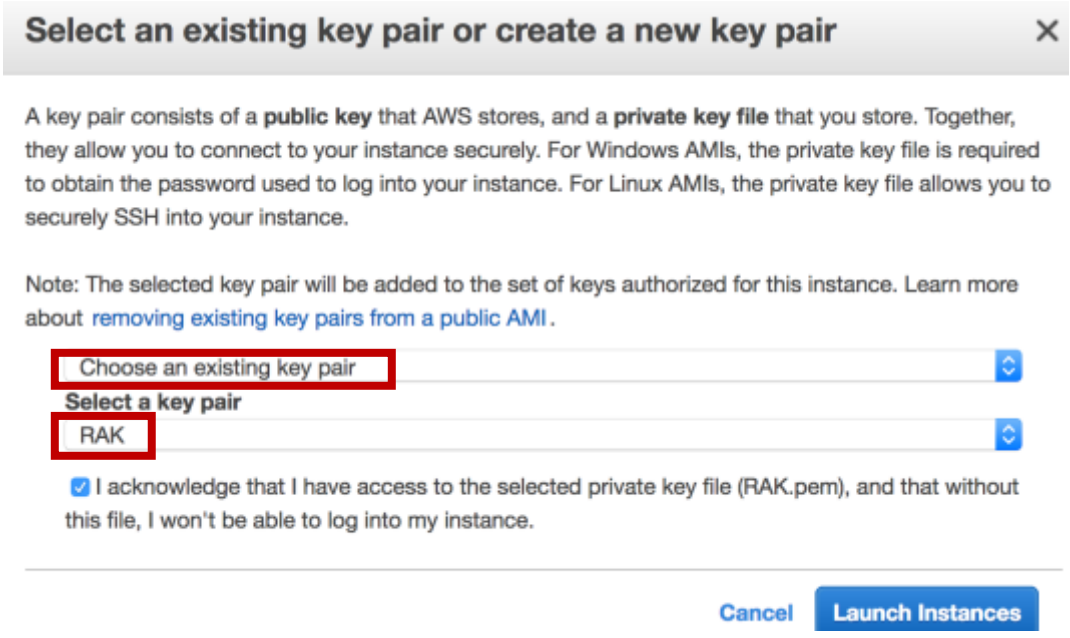
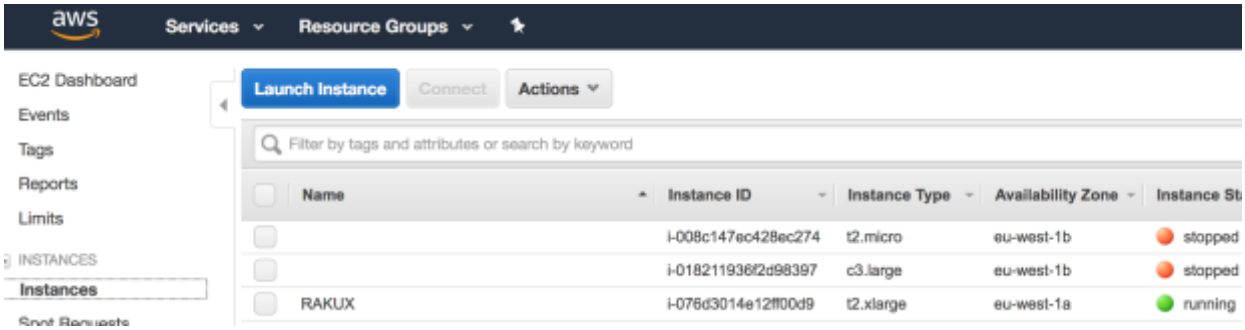
7. Review
Step 4: Add Storage
Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or
edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. Learn more about
storage options in Amazon EC2.
Volume Type
Device
Snapshot
Size (GiB)
Volume Type
IOPS
Throughput (MB/s)
Root
/dev/sda1
snap-0b0867f9356717078
50
General Purpose SSD (GP2)
150 / 3000
N/A
Add New Volume



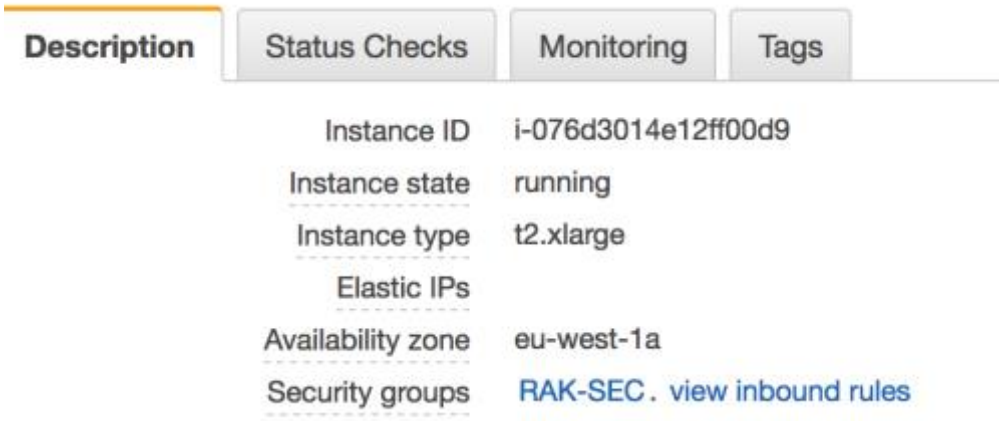


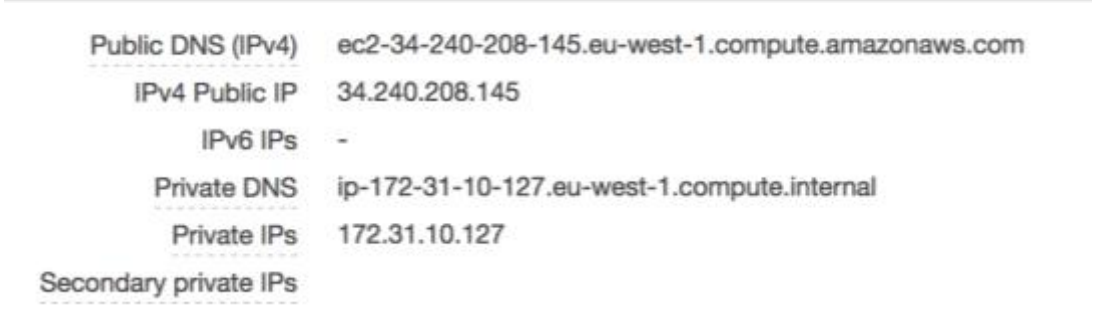
ATTENTION :

VEILLER A BIEN SELECTIONNER LA NOUVELLE INSTANCE CREEE (et pas une autre)


aws
Services
Resource Groups
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Launch Instance
Connect
Actions
Filter by tags and attributes or search by keyword
Name
Instance ID
Instance Type
Availability Zone
Instance St
i-008c147ec428ec274
t2.micro
eu-west-1b
stopped
i-018211936f2d98397
c3.large
eu-west-1b
stopped
RAKUX
i-076d3014e12ff00d9
t2.xlarge
eu-west-1a
running

Les information nécessaires à la connecion se trouvent dans les onglets du bas :





ssh -i RAK.pem ubuntu@public.ip.add.ress

```
ubuntu@ip-172-31-10-127:~$ hostname
ip-172-31-10-127
ubuntu@ip-172-31-10-127:~$ hostname -i
172.31.10.127
```

```
ubuntu@ip-172-31-10-127:~$ sudo nano /etc/hosts
```

```
  GNU nano 2.5.3

127.0.0.1 localhost
172.31.10.127   ip-172-31-10-127
```

Suivre scrupuleusement la procédure ci-dessous :
(seul le backup de la base Ambari n'est pas nécessaire et peut être skippé)

https://docs.hortonworks.com/HDPDocuments/Ambari-2.6.0.0/bk_ambari-administration/content/ch_changing_host_names.html

sudo touch host_names_changes.json

sudo nano host_names_changes.json

Le PREMIER Hostname (gauche) doit être rentré tel qu'il est dans la capture d'écran (ancien hostname d'origine de la machine image) :
`ip-172-31-10-127`

Le SECOND Hostname (droite) doit contenir le résultat de la commande hostname de la nouvelle machine lancée
`ip-xx-xx-xx-xx`

```
{
  "RAKIA" : {
      "ip-172-31-10-127" : "ip-172-31-22-209"
  }
}
```

`sudo nano /etc/ambari-agent/conf/ambari-agent.ini`
remplacer `ip-172-31-10-127` par le nouveau hostname (cf précédemment)
`ip-xx-xx-xx-xx`

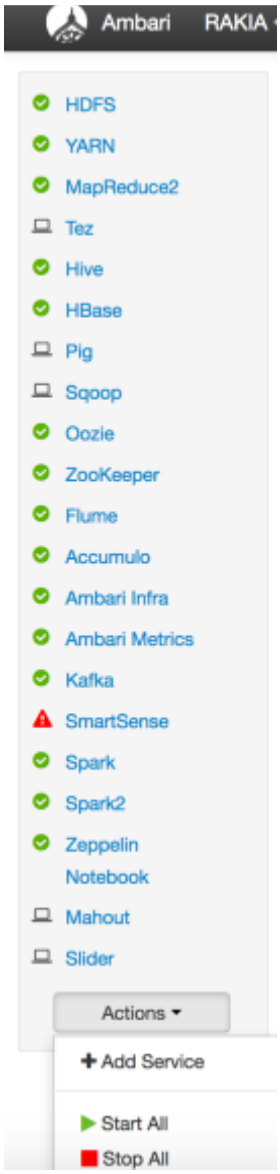
Stopper le serveur et l'agent et Lancer le script `update-host-names`
(tel que décrit dans la doc en ligne)

Redémarrer le serveur et l'agent.

Se connecter avec le Public DNS sur la web UI Ambari
http://ec2-xx-xx-xx-xx.eu-west-1.compute.amazonaws.com:8080/#/login

Démarrer tous les services (cf capture page suivante)

Prier pour que ça marche et que tous les voyants soient au vert


Ambari
RAKIA
HDFS
YARN
MapReduce2
Tez
Hive
HBase
Pig
Sqoop
Oozie
ZooKeeper
Flume
Accumulo
Ambari Infra
Ambari Metrics
Kafka
SmartSense
Spark
Spark2
Zeppelin Notebook
Mahout
Slider
Actions
Add Service
Start All
Stop All