

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

 Services ▾ Resource Groups ▾ ⚡

EC2 Dashboard

Events

Tags

Reports

Limits

INSTANCES

Instances

Spot Requests

Reserved Instances

Scheduled Instances

Dedicated Hosts

IMAGES

AMIs

Bundle Tasks

Launch

Actions ▾

Owned by me ▾

Filter by tags and attributes or search by keyword

<input type="checkbox"/>	Name ▾	AMI Name
<input type="checkbox"/>		RAKIA-HADOOP-HORTON-ANACONDA-OK

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 (GiB)
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only
<input type="checkbox"/>	General purpose	t2.micro	1	1	EBS only
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only
<input checked="" type="checkbox"/>	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

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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

Step 6: Configure Security Group

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to re rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below

Assign a security group: ☐ Create a new security group

☒ Select an existing security group

Security Group ID	Name	Description
<input type="checkbox"/> sg-210e0559	default	default VPC security group
<input type="checkbox"/> sg-daf35ea1	launch-wizard-1	launch-wizard-1 created 2017-11-10T17
<input type="checkbox"/> sg-ef993594	launch-wizard-2	launch-wizard-2 created 2017-11-11T09
<input checked="" type="checkbox"/> sg-23b01d58	RAK-SEC	launch-wizard-2 created 2017-11-10T19

Select an existing key pair or create a new key pair ✕

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Note: The selected key pair will be added to the set of keys authorized for this instance. [Learn more about removing existing key pairs from a public AMI.](#)

Choose an existing key pair

Select a key pair

RAK

☒ I acknowledge that I have access to the selected private key file (RAK.pem), and that without this file, I won't be able to log into my instance.

Cancel

Launch Instances

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

EC2 Remote Access

Launch Instance

Connect

Actions

Filter by tags and attributes or search by keyword

<input type="checkbox"/>	Name	Instance ID	Instance Type	Availability Zone	Instance State
<input type="checkbox"/>		i-008c147ec428ec274	t2.micro	eu-west-1b	stopped
<input type="checkbox"/>		i-018211938f2d98397	c3.large	eu-west-1b	stopped
<input type="checkbox"/>	RAKUX	i-076d3014e12ff00d9	t2.xlarge	eu-west-1a	running



Les informations nécessaires à la connexion se trouvent dans les onglets du bas :

Description	Status Checks	Monitoring	Tags
Instance ID	i-076d3014e12ff00d9		
Instance state	running		
Instance type	t2.xlarge		
Elastic IPs			
Availability zone	eu-west-1a		
Security groups	RAK-SEC . view inbound rules		
Public DNS (IPv4)	ec2-34-240-208-145.eu-west-1.compute.amazonaws.com		
IPv4 Public IP	34.240.208.145		
IPv6 IPs	-		
Private DNS	ip-172-31-10-127.eu-west-1.compute.internal		
Private IPs	172.31.10.127		
Secondary private IPs			

`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 sauté)

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



- ✓ HDFS
- ✓ YARN
- ✓ MapReduce2
- Tez
- ✓ Hive
- ✓ HBase
- Plg
- Sqoop
- ✓ Oozie
- ✓ ZooKeeper
- ✓ Flume
- ✓ Accumulo
- ✓ Ambari Infra
- ✓ Ambari Metrics
- ✓ Kafka
- ▲ SmartSense
- ✓ Spark
- ✓ Spark2
- ✓ Zeppelin Notebook
- Mahout
- Slider

Actions ▾

✚ Add Service

▶ Start All

■ Stop All