Starting a cpn simulator server

NB : we assume that we are using a free account !

I. Creation of a web server in AWS

Preliminary:

i. Open the EC2 service from the main navigation and select Key Pairs from the submenu.

ii. Click Create Key Pair

iii. Donwload and save the key pair

1. Open the EC2 service from the main navigation and select Instances from the submenu.

2. Click Launch Instance to start a wizard that will guide you through starting a new virtual server.

3. Select Windows Microsoft Server 2016 Base (free tier eligible)

4. Choose t2.micro (free tier eligible) as the instance type, and click Review and Launch to take the   shortcut for starting a new virtual server.

5. Click Launch and select your key as the existing key pair with which to launch your virtual server.

6. Click View Instances to change to the overview of virtual servers, and wait for your new virtual server to start.

NB: Activate billing alert to avoid surprises

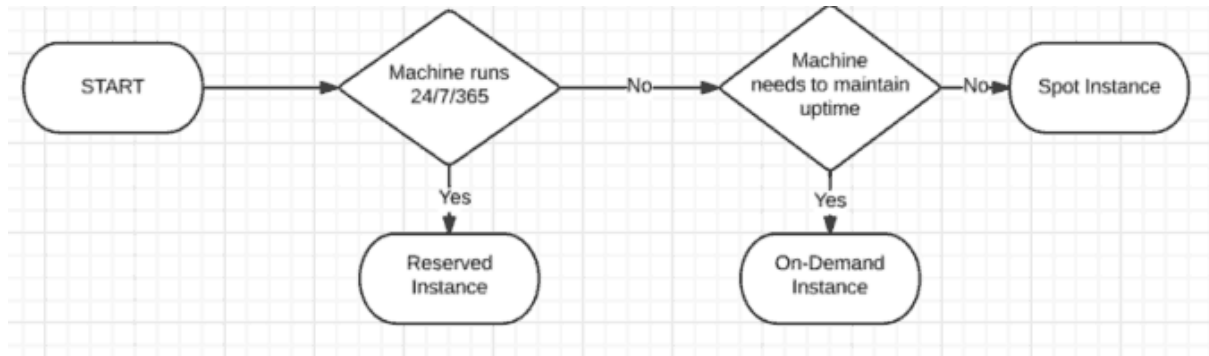**II.** Starting and configuring remote access to the server

1. Go to the EC2 Dashboard and select Instances
2. Choose the instance created and click on Connect
    i. Follow those [steps to connect remotely](#)

NB: Every time the server stops, the Public DNS change. But we can give a permanent one (cf: Elastic IPs)

III. Starting the CPN Server Simulator

1. Download and place in a right folder the scripts
    i. In this folder create an empty file for logs
2. Use the following command to start the server:
    i. ./run-server.sh <server port> <log-file>

Pricing

NB: here we assume that our server has to be on 24/7/365. We choose the m3.medium instance type (located in Ireland).

	Hourly cost	Monthly cost
On-demand pricing	$0.129	$95.976
Spot instance pricing	$0.096	$71.424
Reserved instance pricing (no upfront, 1-year term)	$0.114	$84.816

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