

## Create a web page « HELLO »

1. Connect to your **AWS console**
2. Services → **EC2**
3. Click on **Launch Instance**
4. Select **Amazon Linux 2 AMI (HVM), SSD Volume Type**
5. Select **t2.micro** (or another one depending on your needs)
6. Click on **Next: Configure Instance Details**
7. In **network** : you can leave **default VPC** or select one you created before
8. In **auto-assign Public IP** : click **enable**
9. Click on **Next: Add Storage**
10. Leave the default settings (you can change the size or add new volume if you need it)
11. Click on **Next: Add Tags**
12. Leave the default settings (or add a tag if you need it)
13. Click on **Next: Configure Security Groups**
14. Create a new security group: for the name & description, enter: **Hello\_tutorial**
15. SSH row, in the source column change custom to **Anywhere**
16. Then, click on **Add Rule**: Type: **HTTP** / Port Range: **80** / Source: **Anywhere**
17. If you want, you can add a description for both rules
18. Click on **Review and Launch** & then on **Launch**
19. Choose an **existing key pair** or **create a new one**
20. **Tick the box** & click on **Launch Instances**
21. At the bottom of the page click on **View Instances**
22. Wait the instance state indicates **running** & status checks: **2/2 checks passed**
23. Then, connect to your instance using **Putty**:
  - a. Session → Host Name field → `ec2-user@<instance_public_ip>`
  - b. Connection → SSH → Auth → Browse your ppk key associated with the instance
  - c. Click on Open → Putty security alert: click on Yes
24. When Putty is connected to you instance, install an Apache Web Server with PHP:
  - a. To **connect to your EC2 instance** and **install the Apache web server with PHP**:
    - i. `sudo yum update -y`
    - ii. `sudo yum install -y httpd php`
    - iii. `sudo service httpd start`
    - iv. `sudo chkconfig httpd on`
  - b. To **set file permissions for the Apache web server**:
    - i. `sudo groupadd www`
    - ii. `sudo usermod -a -G www ec2-user`
    - iii. `exit`
    - iv. *Reconnect to your instance using Putty*
    - v. `groups`
    - vi. `sudo chown -R root:www /var/www`
    - vii. `sudo chmod 2775 /var/www`
    - viii. `find /var/www -type d -exec sudo chmod 2775 {} +`
    - ix. `find /var/www -type f -exec sudo chmod 0664 {} +`

c. **Create your Web page:**

- i. `cd /var/www/html`
- ii. `>HelloPage.php`
- iii. `nano HelloPage.php`

```
<html>
  <title>
    "HELLO"
  </title>

  <body>
    <?php echo("HELLO :"); ?>
  </body>
</html>
```

CTRL + x → Y → ENTER

**Browse** → `http://<public_instance_ip>/HelloPage.php`