

## Session II

### 2.1. Launch the AWS instance

- 2.1.1. Go to <https://301929808761.signin.aws.amazon.com/console> and sign in to the Console

Enter credentials from the note.

- 2.1.2. Find EC2 service in AWS Management Console and click Launch instance button.

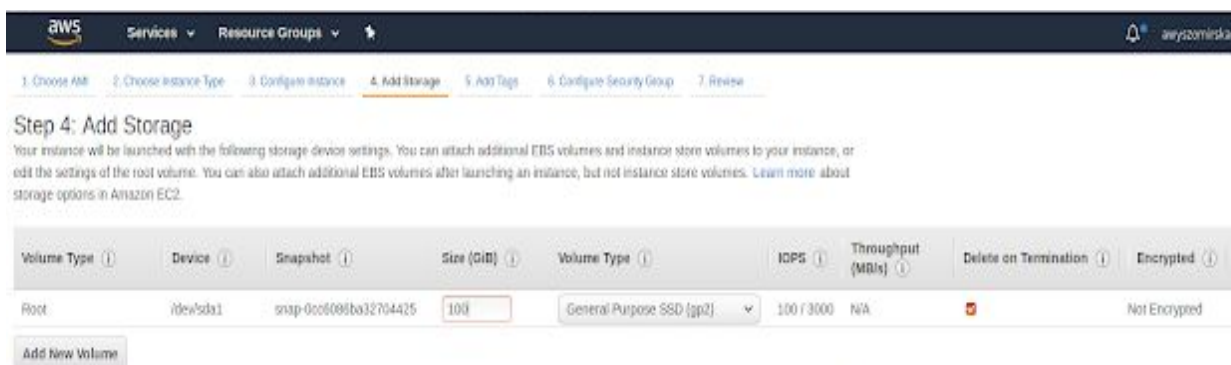
- 2.1.3. Select AMI:

Ubuntu Server 18.04 LTS (HVM)

- 2.1.4. Choose an Instance Type:

r5a.2xlarge

- 2.1.5. Add the additional storage, size: 100 GiB



- 2.1.6. Add Tags

select “click to add Name tag” and enter your instance name (e.g.yourname-melodic ) as a value

- 2.1.7. Configure Security Group

Create a new security group and Add Rule:

Type	Protocol	Port Range	Source
Custom TCP	TCP	0-65535	0.0.0.0/0

**Step 6: Configure Security Group**

A security group is a set of firewall rules that control the traffic to your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow internet traffic to reach your instance, add rules that allow untrusted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more about Amazon EC2 security groups.](#)

Assign a security group: ☒ Create a new security group ☐ Select an existing security group

Security group name:

Description:

Type	Protocol	Port Range	Source	Description
SSH	TCP	22	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop
Custom TCP	TCP	0-65535	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop

[Add Rule](#)

2.1.8. Review and Launch

2.1.9. Create a new key pair, enter name and **Download Key Pair. Find location of the file, it is necessary to login the machine.**

2.1.10. View Instances, type your instance name, select the instance and copy public IP

**Launch wizard** (1)

Search: anna-melodic

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
anna-melodic	i-0770474218ab2906e	m5a.4xlarge	eu-west-1a	running	2/2 checks ...	None	ec2-54-194-205-11.eu-west-1.compute.amazonaws.com

Instance: **i-0770474218ab2906e (anna-melodic)** Public DNS: **ec2-54-194-205-11.eu-west-1.compute.amazonaws.com**

**Public DNS (IPv4)** (2): **ec2-54-194-205-11.eu-west-1.compute.amazonaws.com** (Copy to clipboard)

Instance details:

- Instance ID: i-0770474218ab2906e
- Instance state: running
- Instance type: m5a.4xlarge
- Elastic IPs: None
- Availability zone: eu-west-1a
- Security groups: All IN. [view inbound rules](#), [view outbound rules](#)
- Scheduled events: No scheduled events
- AMI ID: ubuntu/images/hvm-ssd/ubuntu-xenial-16.04-amd64-server-20180212

## 2.2. Melodic Installation

- 2.2.1. If you are a Linux/ Mac OSX user, find the directory with Key Pair and use command

```
chmod 600 {{nameOfKey.pem}}
```

- 2.2.2. Open the Terminal and login to the Melodic machine:

```
ssh -i {{nameOfKey}} ubuntu@{{MELODIC-IP}}
```

- 2.2.3. Install melodic according to following manual (from the 2. step in the second page):

<https://melodic.cloud/wp-content/uploads/2019/04/MEL-install20.pdf>

- 2.2.4. Remember your Ldap credentials  
username: "user1",  
password: "ccgrid".