POLITECNICO DI MILANO

Amazon AWS

A.A 2016/17

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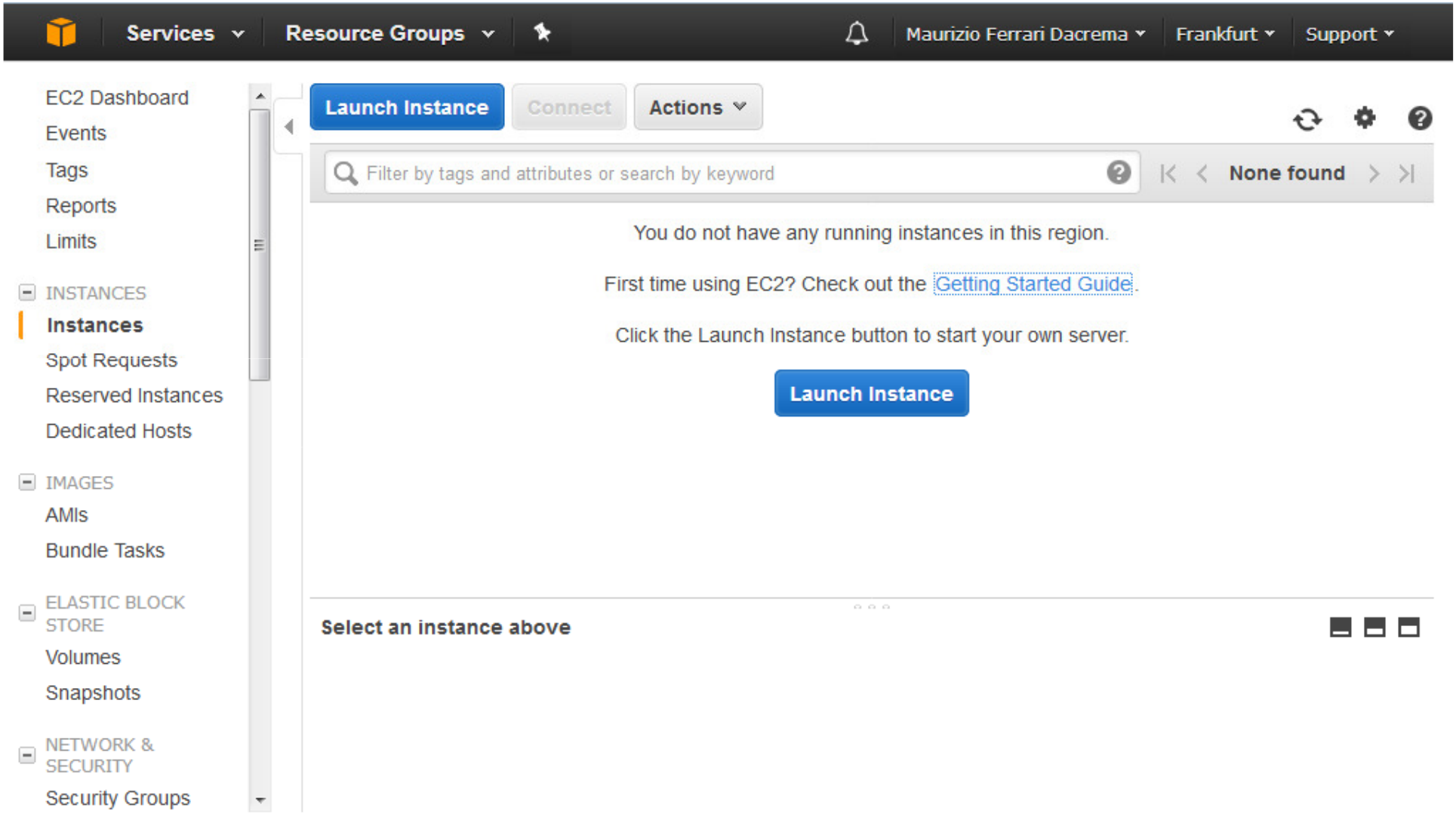
Amazon Free Tier

Create a new Amazon AWS profile and chose the **AWS Free Tier** profile

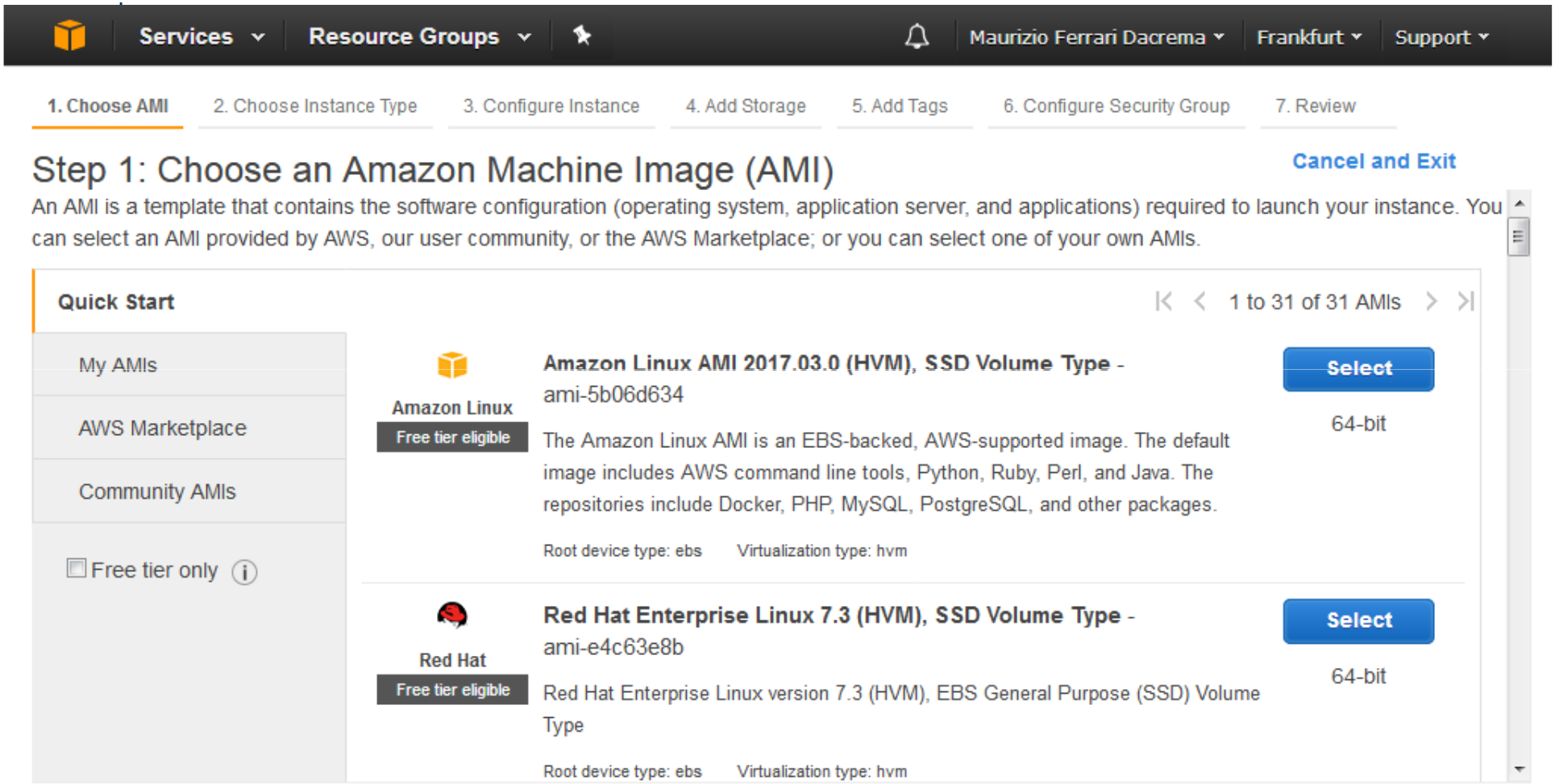
https://aws.amazon.com/free/

1.500 hours per month of **t2.micro** instance usage for 12 months

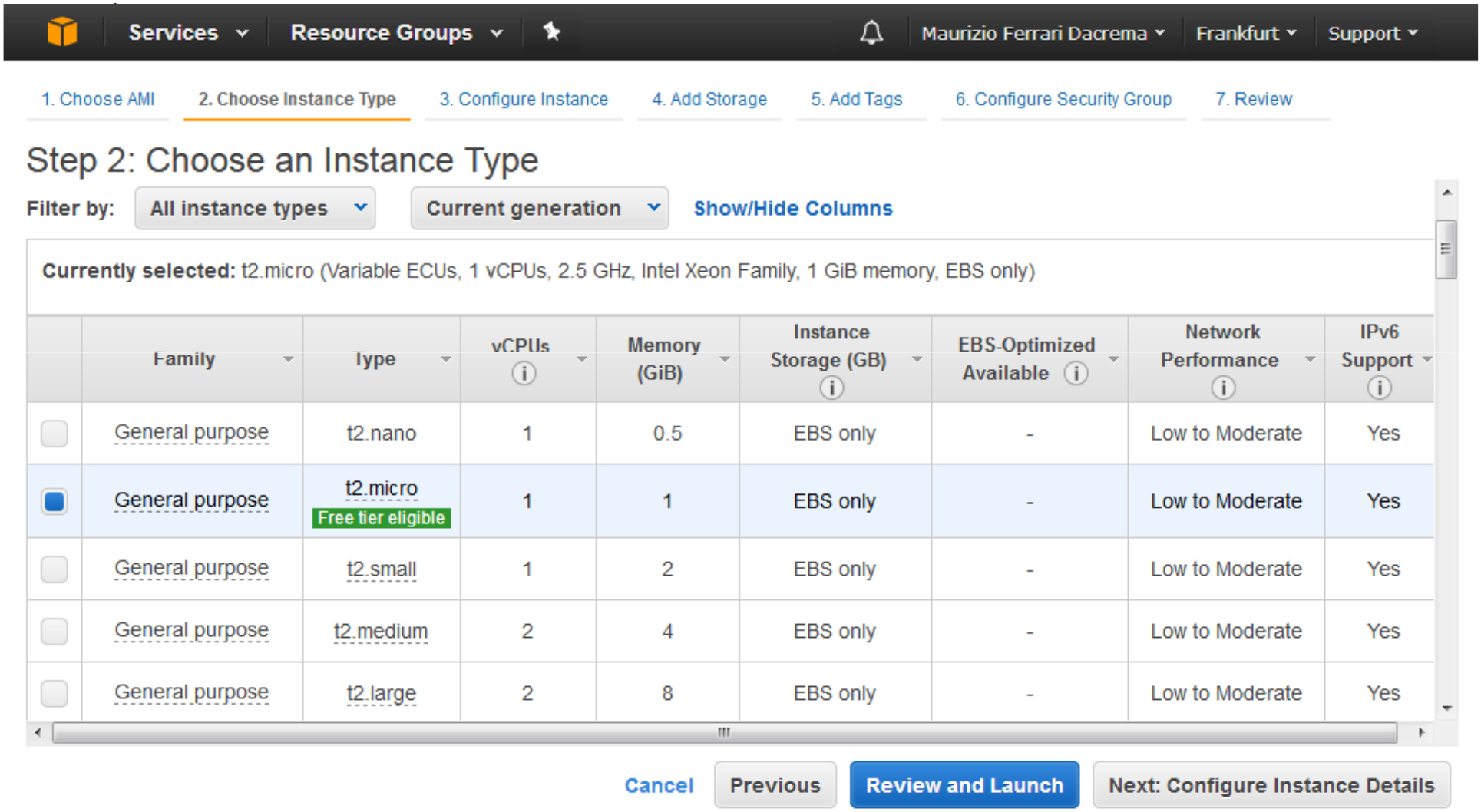
Console - Instances



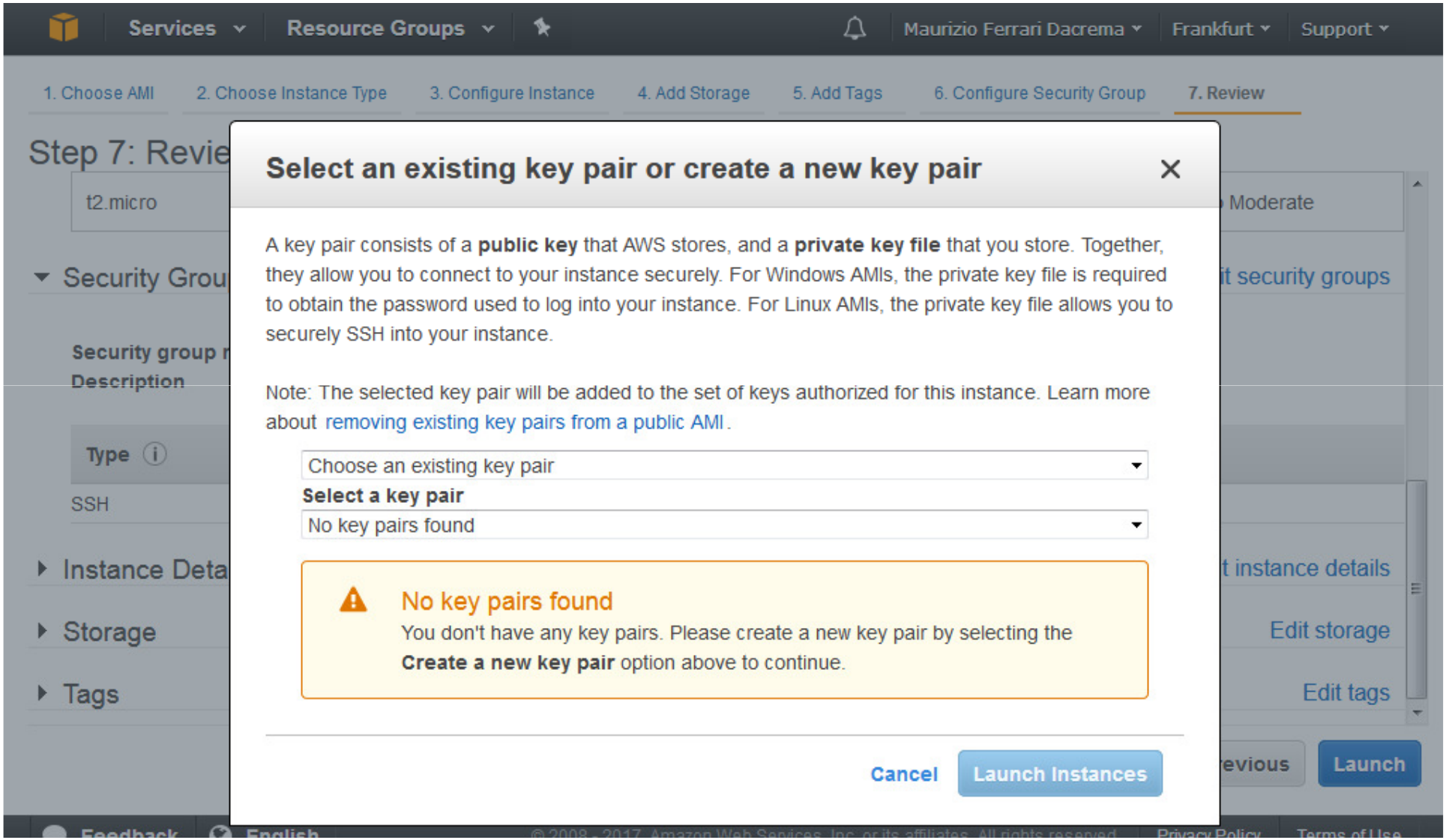
Software Configuration

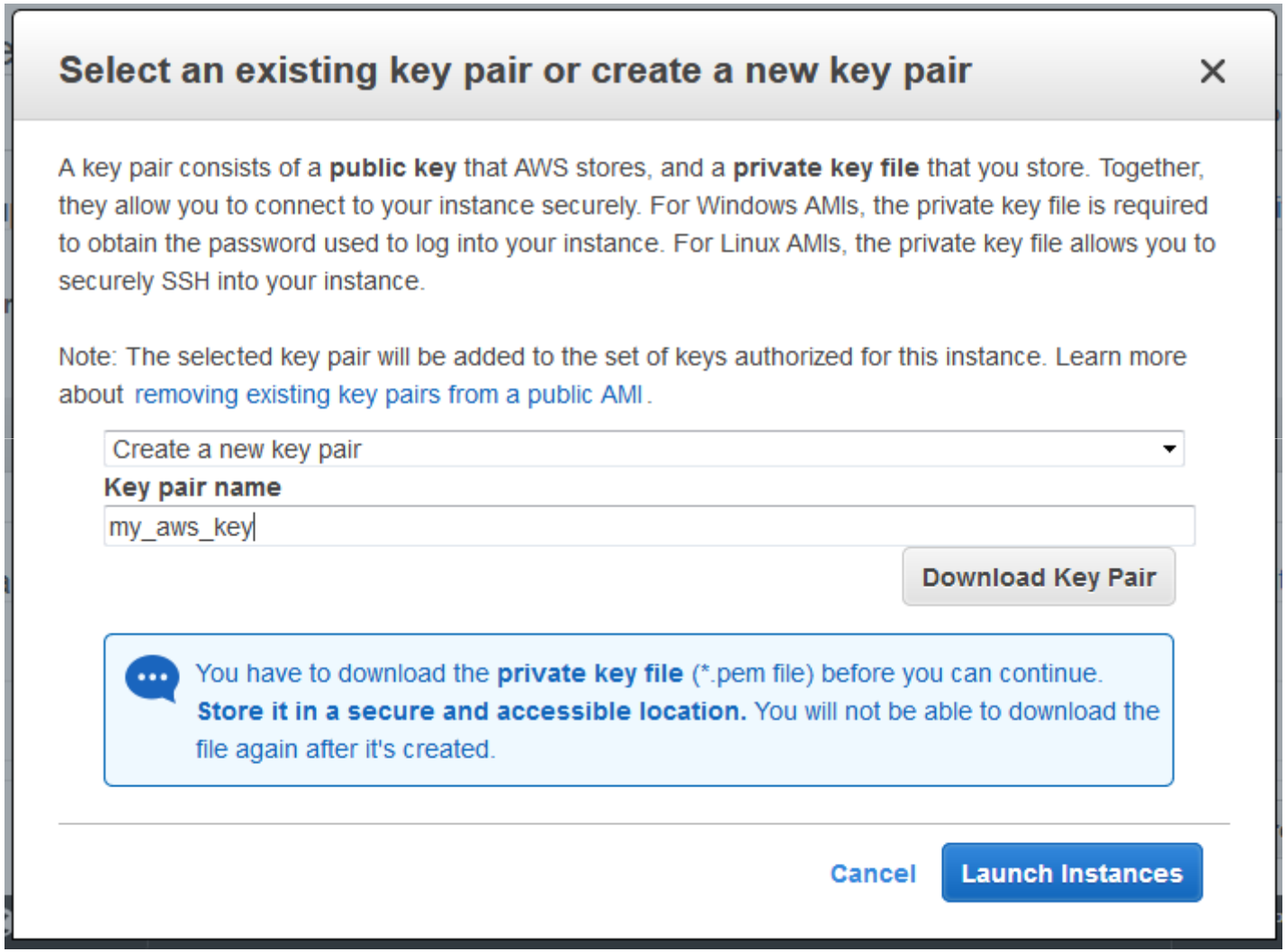


Hardware Configuration

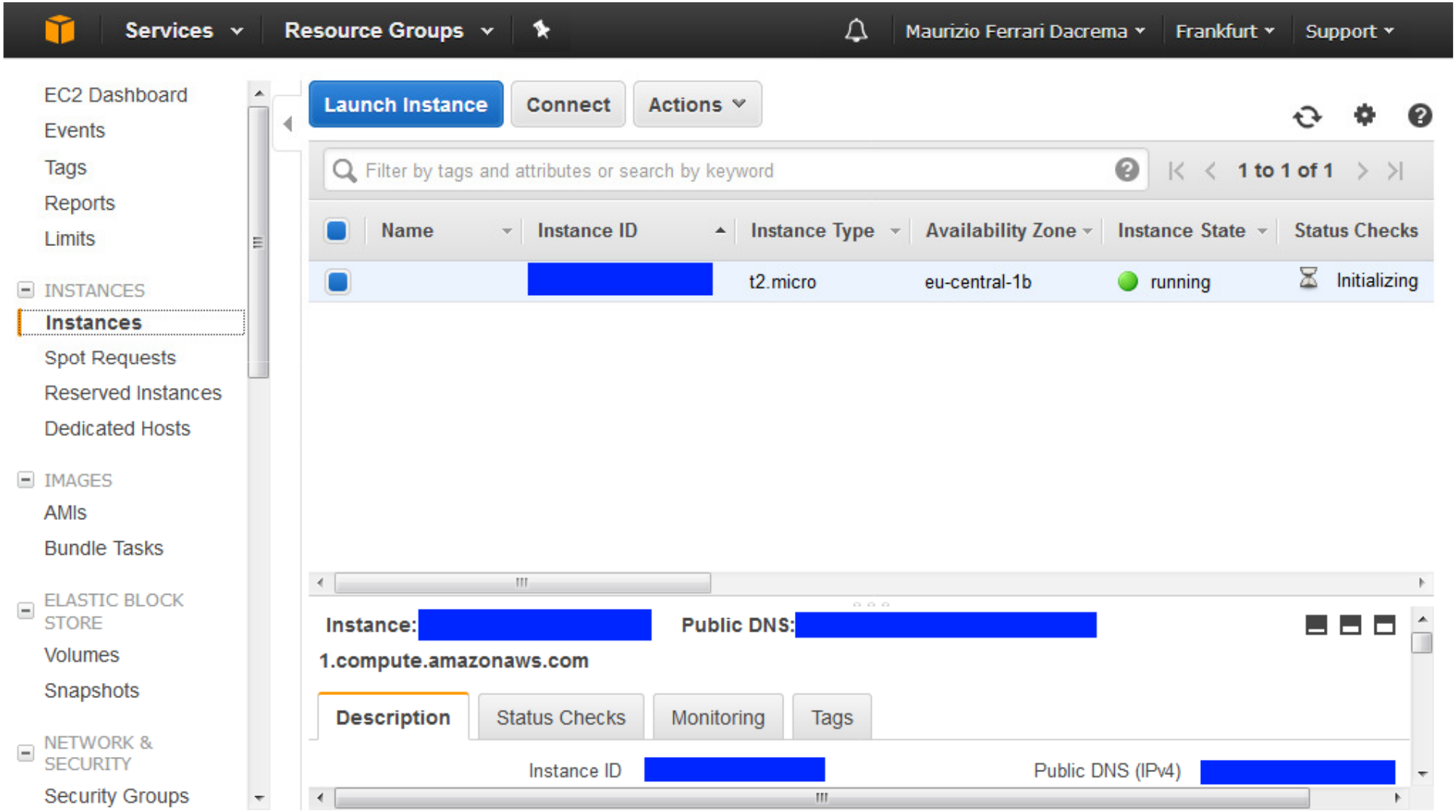


Secure Access




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.
Create a new key pair
Key pair name
my_aws_key
Download Key Pair
You have to download the private key file (*.pem file) before you can continue. Store it in a secure and accessible location. You will not be able to download the file again after it's created.
Cancel
Launch Instances

My Instances



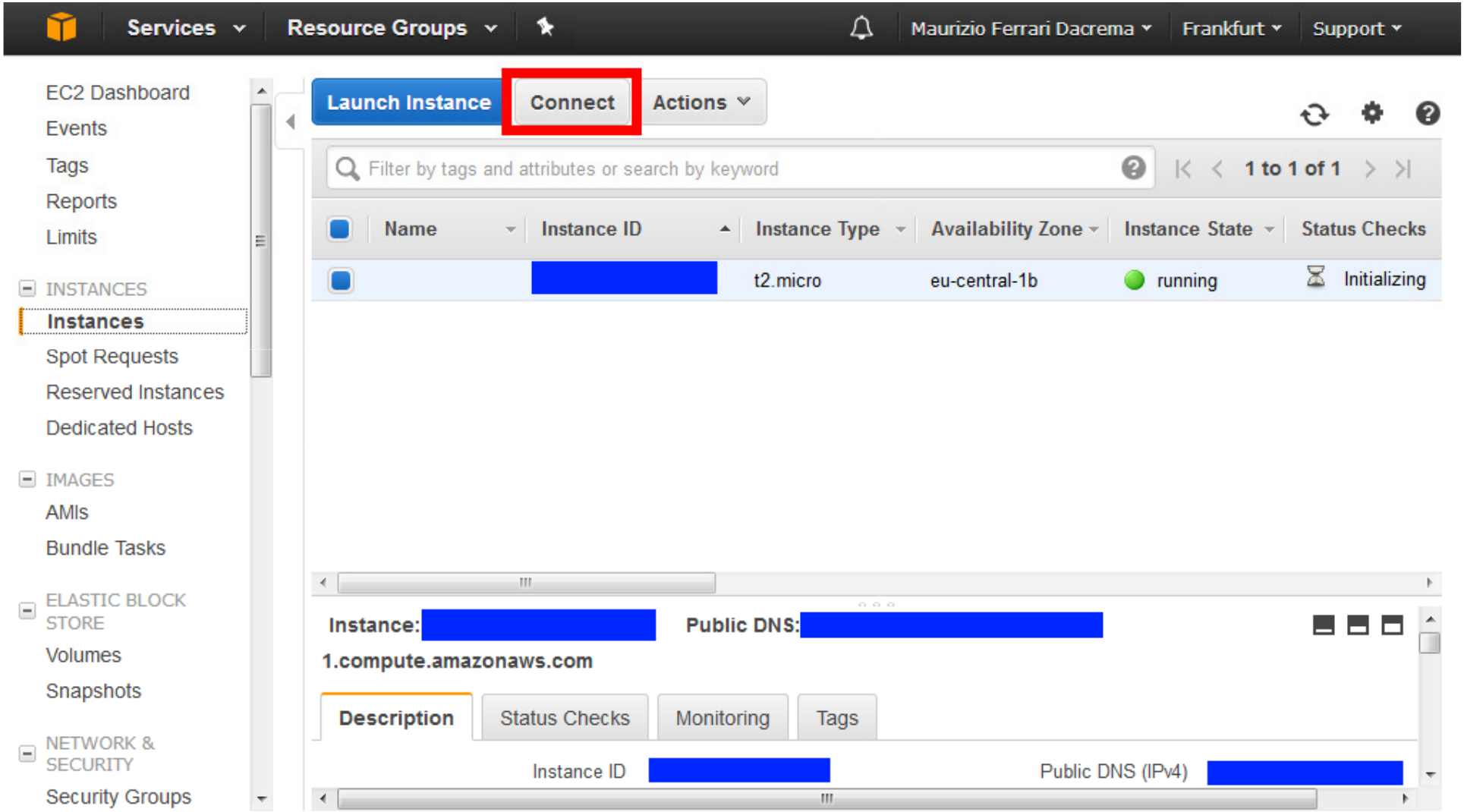
How do I connect to an instance?

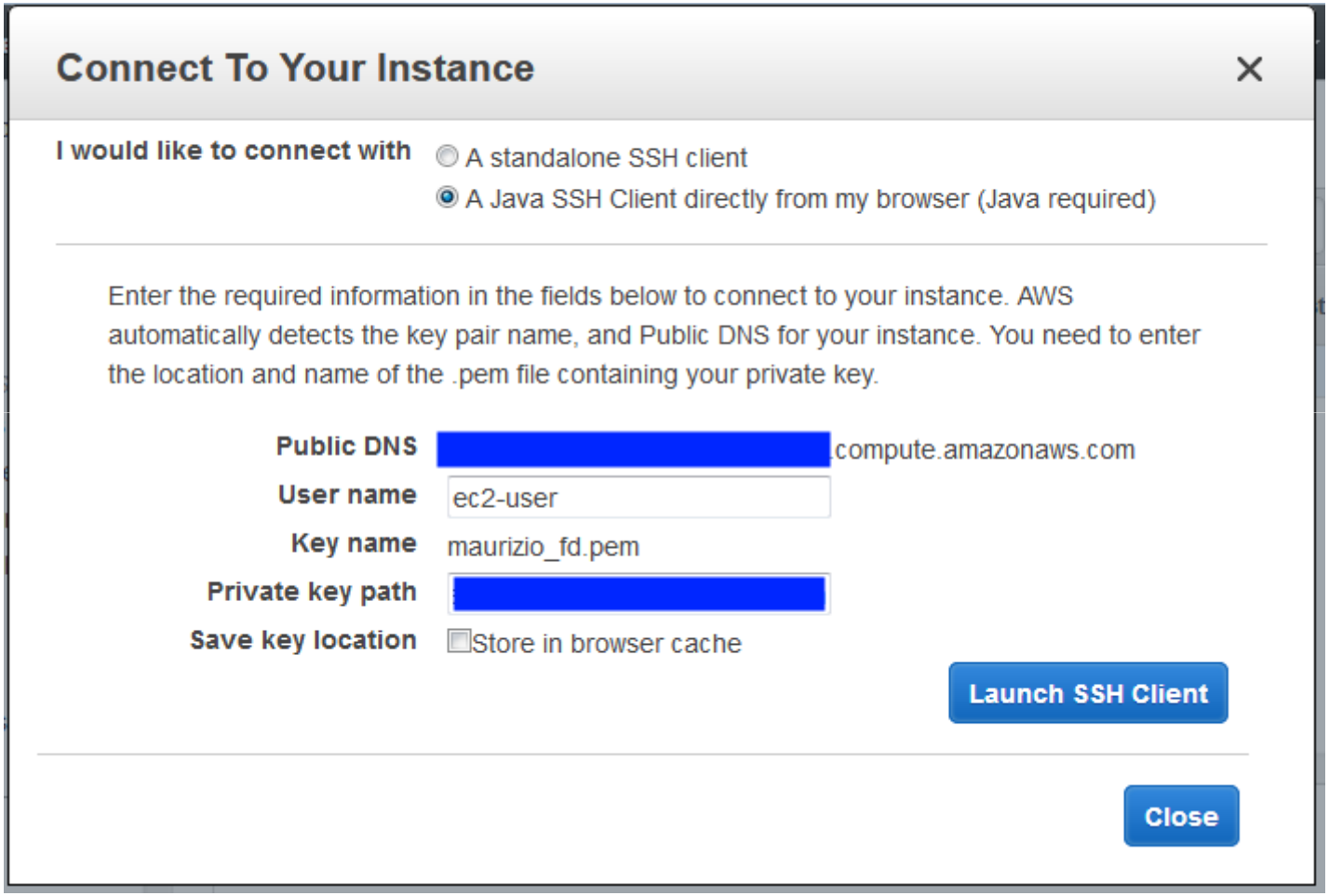
Plenty of possibilities…

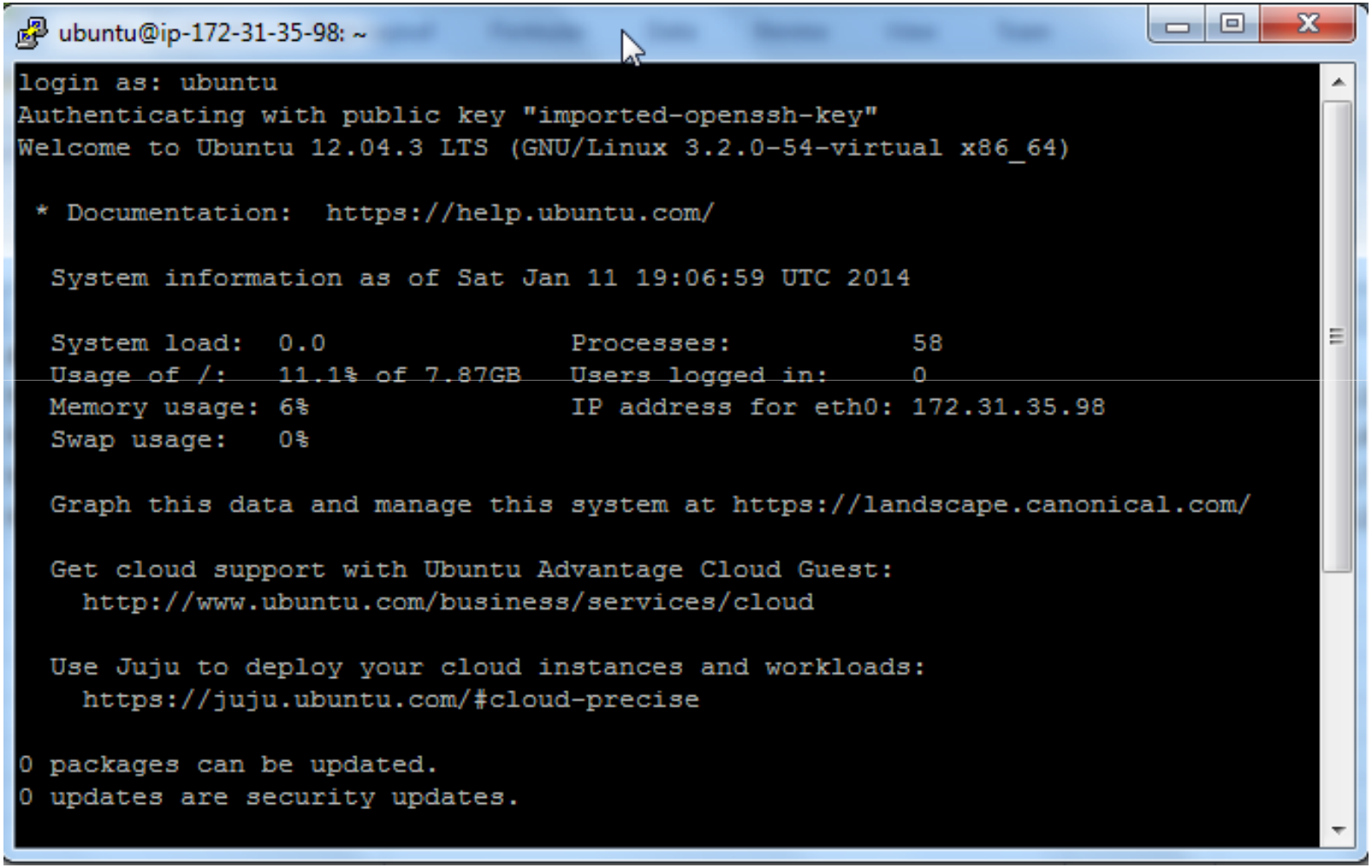
- Browser — Java required
- (Windows) — PuTTY
- (Linux) — Remmina
- Any other SSH tool

What about file transfer?

- WinSCP
- FileZilla
- Whatever you like…


Services
Resource Groups
Maurizio Ferrari Dacrema
Frankfurt
Support
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Launch Instance
Connect
Actions
Filter by tags and attributes or search by keyword
1 to 1 of 1
Name
Instance ID
Instance Type
Availability Zone
Instance State
Status Checks
t2.micro
eu-central-1b
running
Initializing
Instance:
Public DNS:
1.compute.amazonaws.com
Description
Status Checks
Monitoring
Tags
Instance ID
Public DNS (IPv4)


Connect To Your Instance
I would like to connect with
A standalone SSH client
A Java SSH Client directly from my browser (Java required)
Enter the required information in the fields below to connect to your instance. AWS automatically detects the key pair name, and Public DNS for your instance. You need to enter the location and name of the .pem file containing your private key.
Public DNS
compute.amazonaws.com
User name
ec2-user
Key name
maurizio_fd.pem
Private key path
Save key location
Store in browser cache
Launch SSH Client
Close


ubuntu@ip-172-31-35-98: ~
login as: ubuntu
Authenticating with public key "imported-openssh-key"
Welcome to Ubuntu 12.04.3 LTS (GNU/Linux 3.2.0-54-virtual x86_64)
* Documentation: https://help.ubuntu.com/
System information as of Sat Jan 11 19:06:59 UTC 2014
System load: 0.0 Processes: 58
Usage of /: 11.1% of 7.87GB Users logged in: 0
Memory usage: 6% IP address for eth0: 172.31.35.98
Swap usage: 0%
Graph this data and manage this system at https://landscape.canonical.com/
Get cloud support with Ubuntu Advantage Cloud Guest:
http://www.ubuntu.com/business/services/cloud
Use Juju to deploy your cloud instances and workloads:
https://juju.ubuntu.com/#cloud-precise
0 packages can be updated.
0 updates are security updates.

Warning

Amazon calculates the amount of runtime of your VMs rounding the actual time up to the next hour. If you use an instance for 10 minutes, that will count as 1 hour.

Do not leave your instances running if you are not using them, you'll deplete your credits in no time

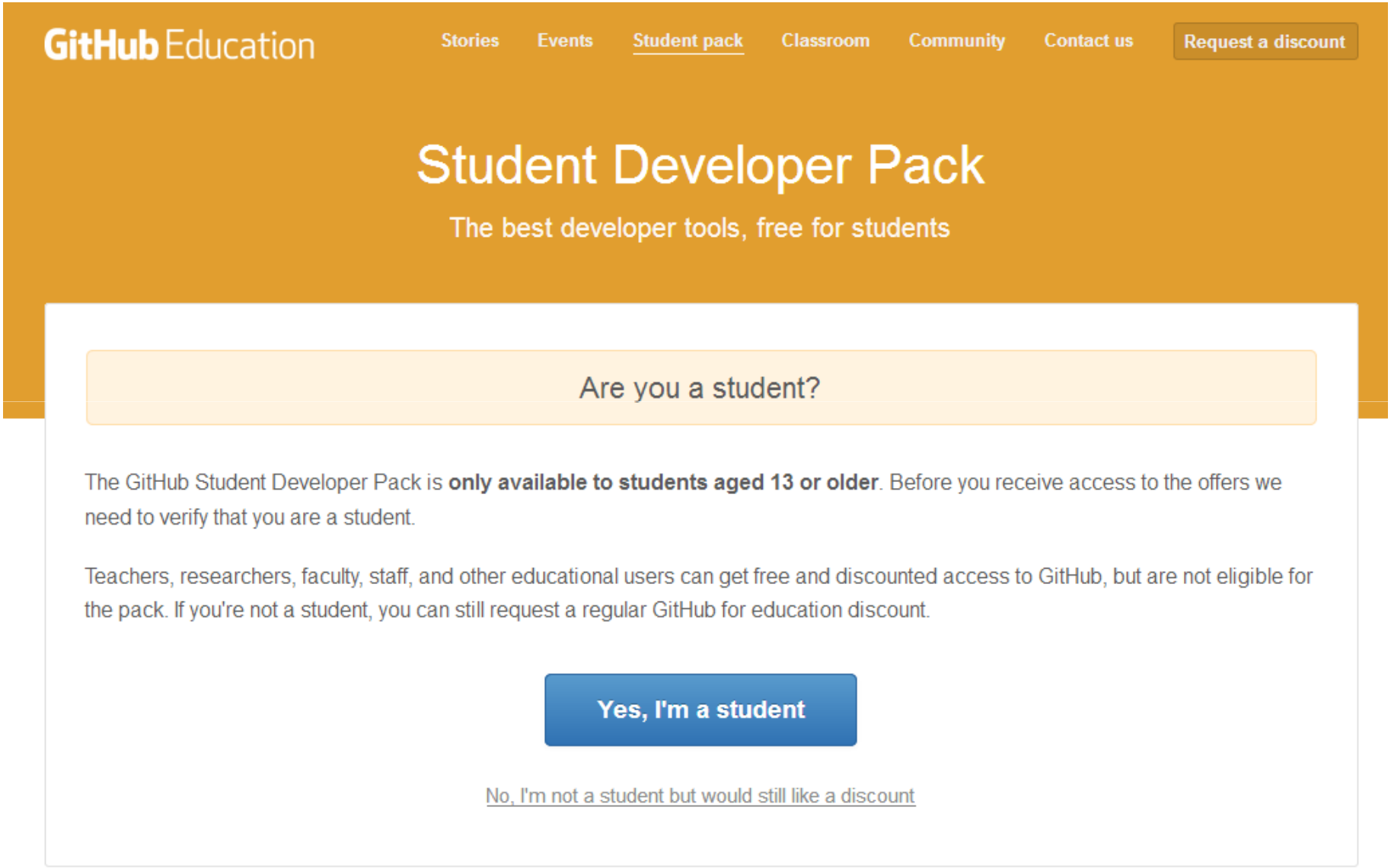
- Terminate — If you want to delete the instance
- Stop — If you want to reuse it later

Student developer pack

Github offers 110 Amazon AWS credits that you can use to run more powerful multi-core instances

https://education.github.com/pack

Just register or login using your credentials


GitHub Education
Stories
Events
Student pack
Classroom
Community
Contact us
Request a discount
Student Developer Pack
The best developer tools, free for students
Are you a student?
The GitHub Student Developer Pack is only available to students aged 13 or older. Before you receive access to the offers we need to verify that you are a student.
Teachers, researchers, faculty, staff, and other educational users can get free and discounted access to GitHub, but are not eligible for the pack. If you're not a student, you can still request a regular GitHub for education discount.
Yes, I'm a student
No, I'm not a student but would still like a discount

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Help available at AWS Educate support