

# Homework 2 (not group work)

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Launch AWS Academy Learn

Instances | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:v=3;\$k=... Press (fn) F to exit full screen ...false%5C,client:false

aws Services Search [Option+S]

N. Virginia voclabs/user3013581=ck369@njit.edu @ 4711-1279-3467

EC2 Dashboard

EC2 Global View

Events

Console-to-Code [Preview](#)

Instances

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Network & Security

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

Load Balancing

Load Balancers

Target Groups

Trust Stores [New](#)

Auto Scaling

Auto Scaling Groups

Instances (4) Info

Find Instance by attribute or tag (case-sensitive)

Any state

Connect

Instance state

Actions

Launch instances

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IP
<input type="checkbox"/>	master	i-0ab274c553e749b2d	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1b	ec2-18-208-163-129.co...	18.208.163.129
<input type="checkbox"/>	slave1	i-001fa8570fd2253e2	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1b	ec2-54-175-180-174.co...	54.175.180.174
<input type="checkbox"/>	slave2	i-0cbc8a2872272e658	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1b	ec2-3-83-135-79.comp...	3.83.135.79
<input type="checkbox"/>	slave3	i-0b97543a183e40ecc	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1b	ec2-44-203-131-169.co...	44.203.131.169

Select an instance

CloudShell Feedback

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```
ck — ubuntu@ip-172-31-92-123: ~ — ssh -i ~/Downloads/HW2.pem ubuntu@ec2-18-208-163-129.compute-1.amazonaws.com — 242x75

Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1048-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sun Feb 18 18:58:51 UTC 2024

System load:  0.0          Processes:    97
Usage of /:   23.5% of 7.57GB Users logged in: 0
Memory usage: 28%        IPv4 address for eth0: 172.31.92.184
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update
New release '22.04.3 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Sun Feb 18 18:56:11 2024 from 172.59.218.96
ubuntu@ip-172-31-92-123:~$ ssh dcl
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1048-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sun Feb 18 18:59:24 UTC 2024

System load:  0.01         Processes:    97
Usage of /:   23.5% of 7.57GB Users logged in: 0
Memory usage: 28%        IPv4 address for eth0: 172.31.92.133
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update
New release '22.04.3 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Sun Feb 18 18:57:08 2024 from 172.31.92.184
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-92-123:~$
```

```
ck — ubuntu@ip-172-31-88-66: ~ — ssh -i ~/Downloads/HW2.pem ubuntu@ec2-18-208-163-129.compute-1.amazonaws.com — 242x75

Last login: Sun Feb 18 19:01:41 2024 from 172.59.218.96
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-88-66:~$ logout
Connection to ec2 closed.
ubuntu@ip-172-31-92-184:~$ logout
Connection to ec2-18-208-163-129.compute-1.amazonaws.com closed.
ck@Charlottesville:~$ ssh -i ~/Users/ck/Downloads/HW2.pem ubuntu@ec2-18-208-163-129.compute-1.amazonaws.com
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1048-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sun Feb 18 19:05:35 UTC 2024

System load:  0.0          Processes:    97
Usage of /:   23.5% of 7.57GB Users logged in: 0
Memory usage: 28%        IPv4 address for eth0: 172.31.92.184
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update
New release '22.04.3 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Sun Feb 18 19:04:08 2024 from 172.59.218.96
ubuntu@ip-172-31-92-184:~$ ssh dcl
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1048-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sun Feb 18 19:05:42 UTC 2024

System load:  0.0          Processes:    97
Usage of /:   23.5% of 7.57GB Users logged in: 0
Memory usage: 28%        IPv4 address for eth0: 172.31.88.66
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update
New release '22.04.3 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Sun Feb 18 19:04:39 2024 from 172.31.92.184
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-88-66:~$
```

ck — ubuntu@ip-172-31-88-44: ~ — ssh -i ~/Downloads/HW2.pem ubuntu@ec2-18-208-163-129.compute-1.amazonaws.com — 242x75

```
System load: 0.0          Processes: 97
Usage of /: 23.5N of 7.57GB Users logged in: 0
Memory usage: 28N        IPV4 address for eth0: 172.31.92.184
Swap usage: 0N
```

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.  
See <https://ubuntu.com/esm> or run: `sudo pro status`

The list of available updates is more than a week old.  
To check for new updates run: `sudo apt update`  
New release '[22.04.3 LTS](#)' available.  
Run '`do-release-upgrade`' to upgrade to it.

Last login: Sun Feb 18 19:09:42 2024 from 172.09.210.96  
ubuntu@ip-172-31-92-184:~\$ ssg dcl

Command 'ssg' not found, did you mean:

```
command 'stg' from deb stgit (0.19-1)
command 'ss' from deb librot2 (5.5.0-1ubuntu1)
command 'sg' from deb login (1:4.8.1-1ubuntu5.20.04.4)
command 'ssh' from deb openssh-client (1:8.2p1-4ubuntu9.9)
command 'srg' from deb srg (1:3.6-2ubuntu1)
command 'sng' from deb sng (1.1.0-3)
command 'ssr' from deb soundscaperenderer-common (0.5.0-dfsg-4build1)
```

Try: `sudo apt install <deb name>`

ubuntu@ip-172-31-92-184:~\$ ssh dd3  
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1040-aws x86\_64)

- Documentation: <https://help.ubuntu.com>
- Management: <https://landscape.canonical.com>
- Support: <https://ubuntu.com/advantage>

System information as of Sun Feb 18 19:18:47 UTC 2024

```
System load: 0.0          Processes: 99
Usage of /: 23.5N of 7.57GB Users logged in: 0
Memory usage: 28N        IPV4 address for eth0: 172.31.88.44
Swap usage: 0N
```

• Ubuntu Pro delivers the most comprehensive open source security and compliance features.

<https://ubuntu.com/pro>

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.  
See <https://ubuntu.com/esm> or run: `sudo pro status`

The list of available updates is more than a week old.  
To check for new updates run: `sudo apt update`  
New release '[22.04.3 LTS](#)' available.  
Run '`do-release-upgrade`' to upgrade to it.

Last login: Sun Feb 18 19:09:57 2024 from 172.31.92.184  
To run a command as administrator (user "root"), use "`sudo <command>`".  
See "`man sudo_root`" for details.

ubuntu@ip-172-31-88-44:~\$