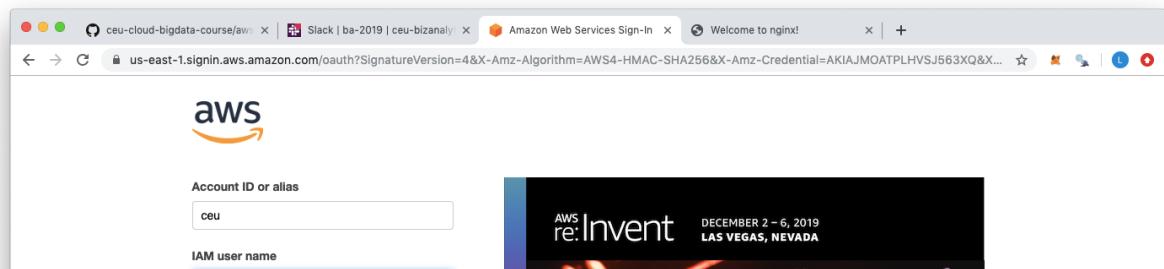


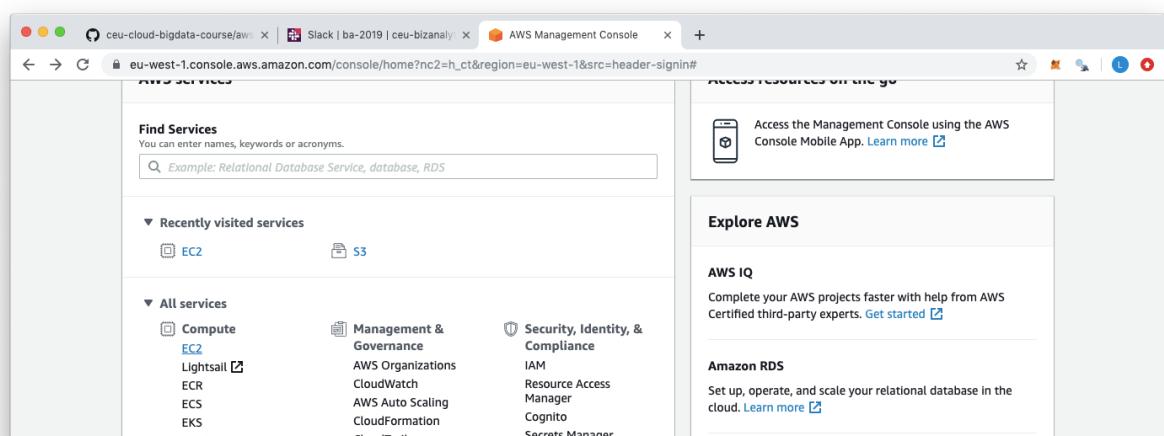
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Log in to AWS



Select EC2 from AWS Service menu



Create a Security Group + Configure the Security group

Select Security Group on the left hand side menu

Click CREATE SECURITY GROUP, configure it and click CREATE.

The image consists of three screenshots of the AWS EC2 Management Console interface, illustrating the process of creating a new security group.

Screenshot 1: Shows the main EC2 Dashboard with various resource counts (12 Running Instances, 0 Dedicated Hosts, etc.) and links for Create Instance, Migrate to Machine, and Scheduled Events.

Screenshot 2: Shows the EC2 Dashboard with a prominent "Create Security Group" button. A tooltip indicates that this will take you to the "Create Security Group" wizard.

Screenshot 3: Shows the "Create Security Group" wizard. The "Security group name" field is filled with "190224". The "Description" field is filled with "190224_SecurityGroup". The "VPC" dropdown is set to "vpc-cf69a3a9 (default)". Under the "Inbound" tab, two rules are defined: one for HTTP (port 80) and one for SSH (port 22). The "Create" button is visible at the bottom right.

Create a t2.nano instance

Click INSTANCES on the left-hand-side menu

STEP 1: Choose AMI

The screenshot shows the 'Launch instance wizard' interface for creating a new EC2 instance. The top navigation bar includes tabs for 'Services', 'Resource Groups', and the current step '1. Choose AMI'. Below the tabs, there's a search bar and a 'Quick Start' sidebar with categories like 'My AMIs', 'AWS Marketplace', and 'Community AMIs'. The main content area displays a list of available AMIs:

Image	Name	Description	Root device type	Virtualization type	ENI Enabled	Select
Amazon Linux	Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-040ba9174949f6de4 (64-bit x86) / ami-0cc4c981c1f9d5c83 (64-bit Arm)	Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras.	ebs	hvm	Yes	<input checked="" type="button"/> 64-bit (x86) <input type="button"/> 64-bit (Arm)
Amazon Linux	Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type - ami-028188d9b49b32a80	The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.	ebs	hvm	Yes	<input checked="" type="button"/> 64-bit (x86)
Red Hat	Red Hat Enterprise Linux 8 (HVM), SSD Volume Type - ami-04facb3ed127a2eb6 (64-bit x86) / ami-0eda57fdc7da72118 (64-bit Arm)	Red Hat Enterprise Linux version 8 (HVM), EBS General Purpose (SSD) Volume Type	ebs	hvm	Yes	<input checked="" type="button"/> 64-bit (x86) <input type="button"/> 64-bit (Arm)
SUSE Linux	SUSE Linux Enterprise Server 15 SP1 (HVM), SSD Volume Type - ami-0df84d5653dd8e528 (64-bit x86) / ami-0010a5b632193a069 (64-bit Arm)	SUSE Linux Enterprise Server 15 Service Pack 1 (HVM), EBS General Purpose (SSD) Volume Type. Public Cloud, Advanced Systems Management, Web and Scripting, and Legacy modules enabled.	ebs	hvm	Yes	<input checked="" type="button"/> 64-bit (x86) <input type="button"/> 64-bit (Arm)
Ubuntu	Ubuntu Server 18.04 LTS (HVM), SSD Volume Type - ami-02df9ea15c1778c9c (64-bit x86) / ami-07a3c7461cc82f8ff (64-bit Arm)	Ubuntu Server 18.04 LTS (HVM), EBS General Purpose (SSD) Volume Type. Support available from Canonical (http://www.ubuntu.com/cloud/services).	ebs	hvm	Yes	<input checked="" type="button"/> 64-bit (x86) <input type="button"/> 64-bit (Arm)

At the bottom of the page, there are links for 'Feedback', 'English (US)', and copyright information: '© 2008 - 2019, Amazon Web Services, Inc. or its affiliates. All rights reserved.' and 'Privacy Policy Terms of Use'.

Scroll through options in QUICK START menu, select preferred AMI and click SELECT

This screenshot shows the same 'Launch instance wizard' interface as the previous one, but with a specific AMI selected. The 'Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type' has been chosen, indicated by a blue selection bar at the top of its row. The 'Select' button for this AMI is now highlighted in blue. The rest of the interface remains identical to the first screenshot, including the sidebar, the list of other AMIs, and the footer links.

STEP 2: Choose an Instance Type

Select t2.nano and click NEXT

	Instance Type	Memory (GiB)	Processor Cores (vCPUs)	Storage	Network Performance	IPv6 Support		
<input checked="" type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.micro	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t3a.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	General purpose	t3a.micro	1	1	EBS only	-	Up to 5 Gigabit	Yes

Cancel Previous Review and Launch Next: Configure Instance Details

Check the price of this instance on ec2instances.info

Go to website www.ec2instances.info and search for t2.nano

Name	API Name	Memory	vCPUs	Instance Storage	Network Performance	Linux On Demand cost	Linux Reserved cost
T2 Nano	t2.nano	0.5 GiB	1 vCPUs for a 1h 12m burst	EBS only	Low	\$0.006300 hourly	\$0.004400 hourly

Price:

Linux On Demand cost	Linux Reserved cost	Windows On Demand cost	Windows Reserved cost
Search	Search	Search	Search
\$0.006300 hourly	\$0.004400 hourly	\$0.008600 hourly	\$0.006700 hourly

Continue with t2.nano instance

Step 3: Configure Instance Details and click NEXT

Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances: 1

Purchasing option: Request Spot instances

Network: vpc-cf69a3a9 (default)

Subnet: No preference (default subnet in any Availability Zone)

Auto-assign Public IP: Use subnet setting (Enable)

Placement group: Add instance to placement group

Capacity Reservation: Open

IAM role: None

Shutdown behavior: Stop

Enable termination protection: Protect against accidental termination

Monitoring: Enable CloudWatch detailed monitoring
Additional charges apply.

Tenancy: Shared - Run a shared hardware instance Additional charges will apply for dedicated tenancy.

Buttons: Cancel, Previous, **Review and Launch**, Next: Add Storage

Step 4: Add Storage and click NEXT

Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encryption
Root	/dev/sda1	snap-0c53d8ed6cc8ae943	8	General Purpose SSD (gp2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

Add New Volume

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

Buttons: Cancel, Previous, **Review and Launch**, Next: Add Tags

Step 5: Add Tags and click NEXT

Key (128 characters maximum) Value (256 characters maximum) Instances (1) Volumes (1)

Name DE2-Homework_1902224

Add another tag (Up to 50 tags maximum)

Cancel Previous Review and Launch Next: Configure Security Group

Attach your security group

Step 6: Configure Security Group

Select security group and click REVIEW AND LAUNCH

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

Security Group ID	Name	Description	Actions
sg-0fbcd98a06dfada3	1902201-homework	DE2-Homework_Riaz_Muhammad_Faaez	Copy to new
sg-0f46df094473169ea	1902224	Lisas Security Group (DE2 Homework)	Copy to new
sg-07c8ef3464636ebd0	1902302	1902302	Copy to new
sg-0668b31bd466f91a18	1902450-Homework	Hassaan_Ahmed_siddiqui_Homework 2	Copy to new
sg-00df185104dc33a45	1902727	1902727	Copy to new
sg-0866094392706e2e21	andras_somkuti_hw2	Security Group for HW2	Copy to new
sg-0fb016ed38fb74ce4	aronpalkovics	aronpalkovics	Copy to new

Inbound rules for sg-0f46df094473169ea (Selected security groups: sg-0f46df094473169ea)

Type (1)	Protocol (1)	Port Range (1)	Source (1)	Description (1)
HTTP	TCP	80	0.0.0.0/0	Allows Inbound HTT...
HTTP	TCP	80	::/0	Allows Inbound HTT...
SSH	TCP	22	0.0.0.0/0	SSH for Admin
SSH	TCP	22	::/0	SSH for Admin

Cancel Previous Review and Launch Next: Review

A few warnings appear. Ignore and press LAUNCH

Step 7: Review Instance Launch

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

Your instance configuration is not eligible for the free usage tier

To launch an instance that's eligible for the free usage tier, check your AMI selection, instance type, configuration options, or storage devices. Learn more about [free usage tier](#) eligibility and usage restrictions.

Improve your instances' security. Your security group, 1902224, is open to the world.

Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only. You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

AMI Details [Edit AMI](#)

Ubuntu Server 18.04 LTS (HVM), SSD Volume Type - ami-02df9ea15c1778c9c	
Free tier eligible	Ubuntu Server 18.04 LTS (HVM), EBS General Purpose (SSD) Volume Type. Support available from Canonical (http://www.ubuntu.com/cloud/services).
Root Device Type: ebs	Virtualization type: hvm

Instance Type [Edit instance type](#)

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.nano	Variable	1	0.5	EBS only	-	Low to Moderate

Security Groups [Edit security groups](#)

Cancel **Previous** **Launch**

Generate a set of keypairs,

call it “<your student id>-homework”

Sorry I named it “<your student id>_keypair”, hope that’s ok

Create a new key pair and click LAUNCH INSTANCES

Step 7: Review Instance Launch

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

Your instance configuration is not eligible for the free usage tier

To launch an instance that's eligible for the free usage tier, check your AMI selection, instance type, configuration options, or storage devices. Learn more about [free usage tier](#) eligibility and usage restrictions.

Improve your instances' security. Your security group, 1902224, is open to the world.

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AMI Details [Edit AMI](#)

Ubuntu Server 18.04 LTS (HVM), SSD Volume Type - ami-02df9ea15c1778c9c	
Free tier eligible	Ubuntu Server 18.04 LTS (HVM), EBS General Purpose (SSD) Volume Type. Support available from Canonical (http://www.ubuntu.com/cloud/services).
Root Device Type: ebs	Virtualization type: hvm

Instance Type [Edit instance type](#)

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.nano	Variable	1	0.5	EBS only	-	Low to Moderate

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
1902224_keypair

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**

Screenshot of the AWS Launch Instance Wizard - Launch Status page.

Your Instances are now launching
The following instance launches have been initiated: i-0a2ea1a90432b5f4b View launch log

Get notified of estimated charges
Create billing alerts to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier).

How to connect to your instances
Your instances are launching, and it may take a few minutes until they are in the running state, when they will be ready for you to use. Usage hours on your new instances will start immediately and continue to accrue until you stop or terminate your instances.
Click [View Instances](#) to monitor your instances' status. Once your instances are in the running state, you can [connect](#) to them from the Instances screen. [Find out](#) how to connect to your instances.

Here are some helpful resources to get you started

- How to connect to your Linux instance
 - [Amazon EC2: User Guide](#)
 - [Learn about AWS Free Usage Tier](#)

While your instances are launching you can also

- Create status check alarms to be notified when these instances fail status checks. (Additional charges may apply)
- Create and attach additional EBS volumes (Additional charges may apply)
- Manage security groups

https://eu-west-1.console.aws.amazon.com/ec2/v2/home?region=eu-west-1#instances:search=i-0a2ea1a90432b5f4b;sort=securityGroupNames

Screenshot of the AWS EC2 Instances Management page.

Launch Instance Connect Actions

Instances | EC2 Management

Instance: i-0a2ea1a90432b5f4b (DE2-Homework_1902224) Public DNS: ec2-34-244-145-184.eu-west-1.compute.amazonaws.com

Description	Status Checks	Monitoring	Tags
Instance ID: i-0a2ea1a90432b5f4b	Public DNS (IPv4): ec2-34-244-145-184.eu-west-1.compute.amazonaws.com	IPv4 Public IP: 34.244.145.184	Private DNS: ip-172-31-41-85.eu-west-1.compute.internal
Instance state: pending	Instance type: t2.nano	IPv6 IPs: -	
Elastic IPs:			

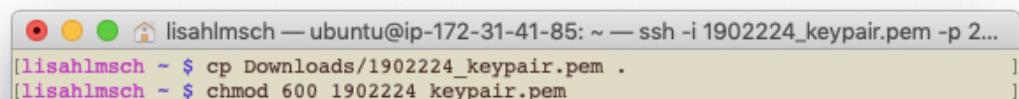
Feedback English (US)

IPv4 Public IP	Instance ID
34.244.145.184	i-0a2ea1a90432b5f4b

SSH into the instance

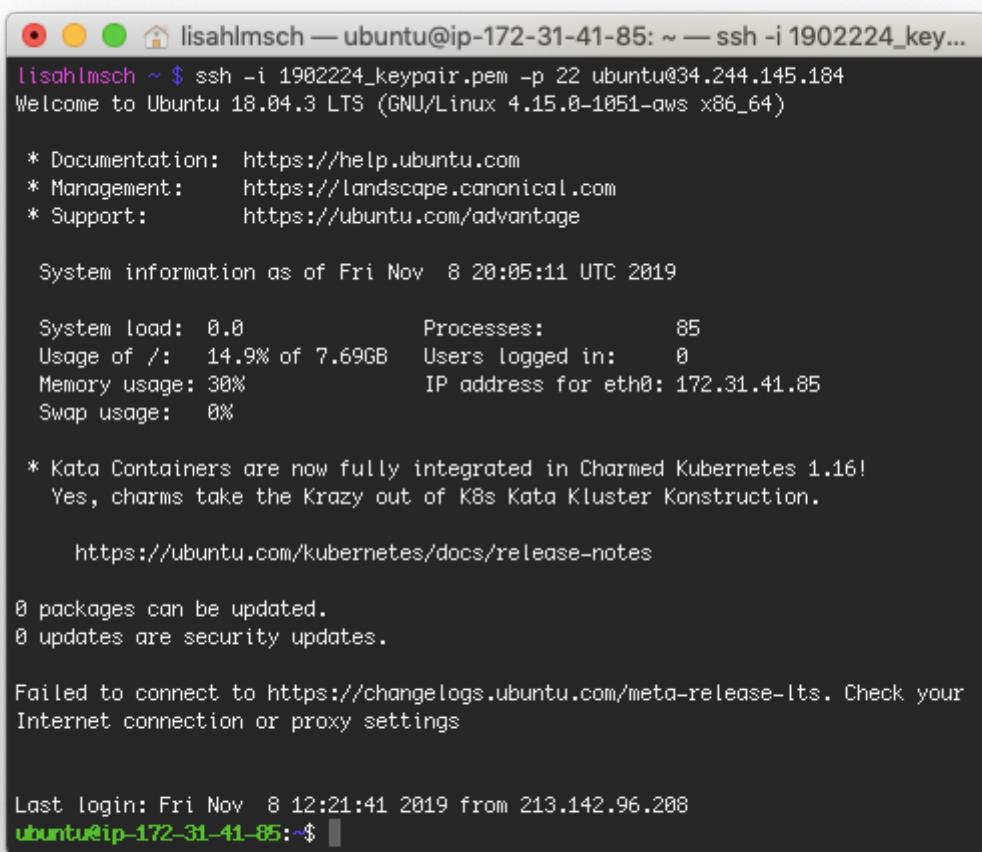
Copy Paste the .pem file into home folder

Run chmod command



```
[lisahlmsch ~ $ cp Downloads/1902224_keypair.pem .
[lisahlmsch ~ $ chmod 600 1902224_keypair.pem
```

Log into Instance



```
lisahlmsch — ubuntu@ip-172-31-41-85: ~ — ssh -i 1902224_key...
lisahlmsch ~ $ ssh -i 1902224_keypair.pem -p 22 ubuntu@34.244.145.184
Welcome to Ubuntu 18.04.3 LTS (GNU/Linux 4.15.0-1051-aws x86_64)

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

 System information as of Fri Nov  8 20:05:11 UTC 2019

 System load:  0.0          Processes:      85
 Usage of /:   14.9% of 7.69GB  Users logged in:   0
 Memory usage: 30%           IP address for eth0: 172.31.41.85
 Swap usage:   0%

 * Kata Containers are now fully integrated in Charmed Kubernetes 1.16!
 Yes, charms take the Krazy out of K8s Kata Kluster Konstruction.

 https://ubuntu.com/kubernetes/docs/release-notes

 0 packages can be updated.
 0 updates are security updates.

 Failed to connect to https://changelogs.ubuntu.com/meta-release-lts. Check your
 Internet connection or proxy settings

Last login: Fri Nov  8 12:21:41 2019 from 213.142.96.208
ubuntu@ip-172-31-41-85:~$
```

Update the OS

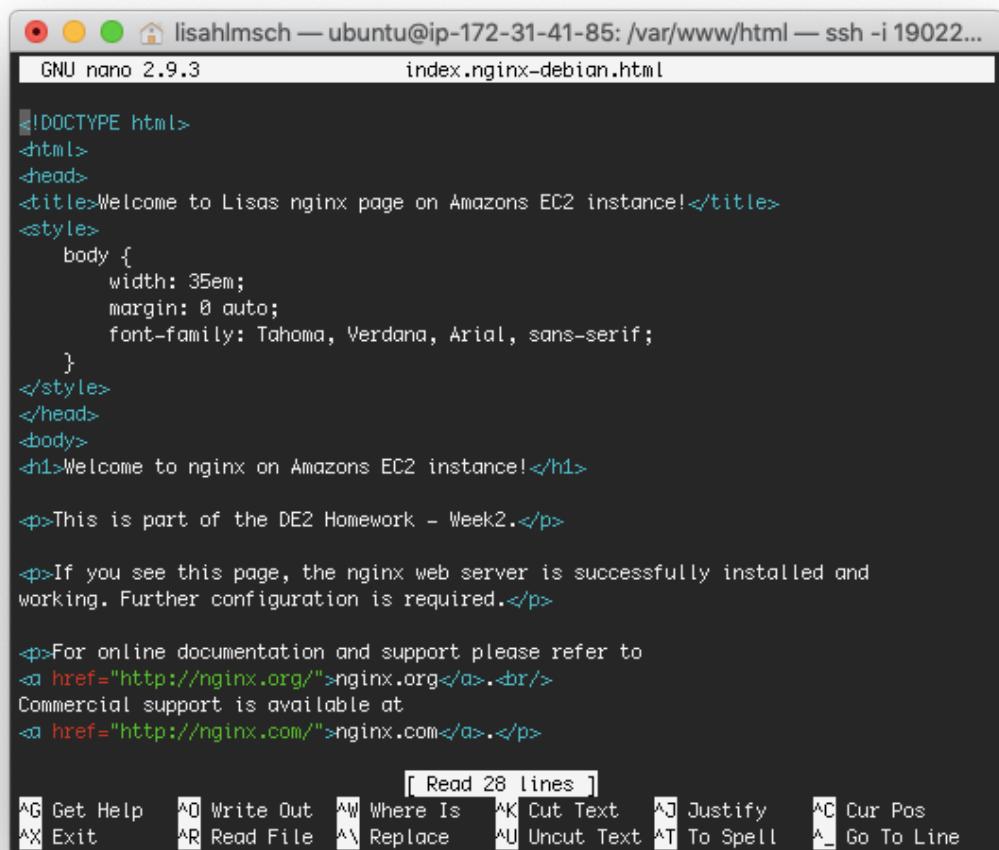
```
[ubuntu@ip-172-31-41-85:~] ssh -i 1902224_keypair.pem -p 22 ubuntu...
Hit:1 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic InRelease
Get:2 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
Get:3 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]
Get:4 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Get:5 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic/universe amd64 Packages [8570 kB]
Get:6 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic/universe Translation-en [4941 kB]
Get:7 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic/multiverse amd64 Packages [151 kB]
Get:8 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic/multiverse Translation-en [108 kB]
Get:9 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 Packages [768 kB]
Get:10 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main Translation-en [275 kB]
Get:11 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/restricted amd64 Packages [18.7 kB]
Get:12 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/restricted Translation-en [5328 B]
]
Get:13 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe amd64 Packages [1023 kB]
Get:14 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe Translation-en [315 kB]
Get:15 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/multiverse amd64 Packages [8096 B]
]
Get:16 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/multiverse Translation-en [3972 B]
]
Get:17 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-backports/main amd64 Packages [2512 B]
Get:18 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-backports/main Translation-en [1644 B]
Get:19 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-backports/universe amd64 Packages [4024 B]
]
Get:20 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-backports/universe Translation-en [1856 B]
]
Get:21 http://security.ubuntu.com/ubuntu bionic-security/main amd64 Packages [545 kB]
Get:22 http://security.ubuntu.com/ubuntu bionic-security/main Translation-en [182 kB]
Get:23 http://security.ubuntu.com/ubuntu bionic-security/restricted amd64 Packages [9856 B]
Get:24 http://security.ubuntu.com/ubuntu bionic-security/restricted Translation-en [3480 B]
Get:25 http://security.ubuntu.com/ubuntu bionic-security/universe amd64 Packages [617 kB]
Get:26 http://security.ubuntu.com/ubuntu bionic-security/universe Translation-en [206 kB]
Get:27 http://security.ubuntu.com/ubuntu bionic-security/multiverse amd64 Packages [5476 B]
Get:28 http://security.ubuntu.com/ubuntu bionic-security/multiverse Translation-en [2500 B]
Fetched 18.0 MB in 4s (4841 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
47 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-41-85:~]
```

Install nginx

```
lisahlmsch — ubuntu@ip-172-31-41-85: ~ — ssh -i 1902224_keypair.pem -p 22 ubuntu...
[ubuntu@ip-172-31-41-85:~]$ sudo apt install nginx
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  fontconfig-config fonts-dejavu-core libfontconfig1 libgd3 libjbig0 libjpeg-turbo8 libjpeg8
  libnginx-mod-http-geoip libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream libtiff5 libwebp6 libxpm4 nginx nginx-common nginx-core
Suggested packages:
  libgd-tools fcgiwrap nginx-doc ssl-cert
The following NEW packages will be installed:
  fontconfig-config fonts-dejavu-core libfontconfig1 libgd3 libjbig0 libjpeg-turbo8 libjpeg8
  libnginx-mod-http-geoip libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream libtiff5 libwebp6 libxpm4 nginx nginx-common nginx-core
0 upgraded, 18 newly installed, 0 to remove and 47 not upgraded.
Need to get 2461 kB of archives.
After this operation, 8210 kB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libjpeg-turbo8 amd64 1.5.2-0ubuntu5.18.84.1 [110 kB]
Get:2 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 fonts-dejavu-core all 2.37-1 [1041 kB]
Get:3 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 fontconfig-config all 2.12.6-0ubuntu2 [55.8 kB]
Get:4 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 libfontconfig1 amd64 2.12.6-0ubuntu2 [137 kB]
Get:5 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 libjpeg8 amd64 8c-2ubuntu8 [2194 kB]
Get:6 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 libjbig0 amd64 2.1-3.1build1 [26.7 kB]
Get:7 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libtiff5 amd64 4.0.9-5ubuntu0.3 [153 kB]
Get:8 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 libwebp6 amd64 0.6.1-2 [185 kB]
Get:9 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic/main amd64 libxpm4 amd64 1:3.5.12-1 [34.0 kB]
Get:10 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libgd3 amd64 2.2.5-4ubuntu0.3 [119 kB]
Get:11 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 nginx-common all 1.14.0-0ubuntu1.6 [37.3 kB]
Get:12 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libnginx-mod-http-geoip amd64 1.14.0-0ubuntu1.6 [11.2 kB]
Get:13 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libnginx-mod-http-image-filter amd64 1.14.0-0ubuntu1.6 [14.5 kB]
Get:14 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libnginx-mod-http-xslt-filter amd64 1.14.0-0ubuntu1.6 [12.9 kB]
Get:15 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libnginx-mod-mail amd64 1.14.0-0ubuntu1.6 [41.7 kB]
Get:16 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libnginx-mod-stream amd64 1.14.0-0ubuntu1.6 [63.6 kB]
Get:17 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 nginx-core amd64 1.14.0-0ubuntu1.6 [413 kB]
Get:18 http://eu-west-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 nginx all 1.14.0-0ubuntu1.6 [3596 kB]
Fetched 2461 kB in 0s (37.3 MB/s)
Preconfiguring packages ...
Selecting previously unselected package libjpeg-turbo8:amd64.
(Reading database ... 56531 files and directories currently installed.)
Preparing to unpack .../00-libjpeg-turbo8_1.5.2-0ubuntu5.18.84.1_amd64.deb ...
Unpacking libjpeg-turbo8:amd64 (1.5.2-0ubuntu5.18.84.1) ...
Selecting previously unselected package fonts-dejavu-core.
```

Modify the nginx default HTML page

```
ubuntu@ip-172-31-41-85:/var/www/html$ sudo nano index.nginx-debian.html
ubuntu@ip-172-31-41-85:/var/www/html$
```



The screenshot shows a terminal window titled "lisahlmsch — ubuntu@ip-172-31-41-85: /var/www/html — ssh -i 19022...". The window displays the content of the file "index.nginx-debian.html" which is being edited with the nano text editor version 2.9.3. The file contains HTML code for a welcome page. At the bottom of the screen, there is a menu bar with various keyboard shortcuts for navigating and modifying the text.

```
<!DOCTYPE html>
<html>
<head>
<title>Welcome to Lisas nginx page on Amazons EC2 instance!</title>
<style>
body {
    width: 35em;
    margin: 0 auto;
    font-family: Tahoma, Verdana, Arial, sans-serif;
}
</style>
</head>
<body>
<h1>Welcome to nginx on Amazons EC2 instance!</h1>

<p>This is part of the DE2 Homework - Week2.</p>

<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>

<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>
```

[Read 28 lines]

^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos
^X Exit ^R Read File ^V Replace ^U Uncut Text ^T To Spell ^L Go To Line

Visit your instance's site in a browser

