

# LAB1 Window Machine

The screenshot shows the AWS Management Console with the 'Instances' page selected. The left sidebar contains navigation options like 'EC2 Dashboard', 'Events', 'Tags', 'Limits', 'Instances', 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', 'Capacity Reservations', 'Images', 'AMIs', 'Elastic Block Store', 'Volumes', 'Snapshots', and 'Lifecycle Manager'. The main content area displays a table of instances. The 'Windows1628' instance is highlighted, and its details are shown in the right-hand pane.

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs
Windows1628	i-0bfb05d491707d964	t2.micro	us-east-2c	running	2/2 checks ...	None	ec2-18-191-122-255.us-east-2.compute.amazonaws.com	18.191.122.255	-
Ubuntu1628	i-0c407dd723d073d80	t2.micro	us-east-2c	running	2/2 checks ...	None	ec2-3-17-37-219.us-east-2.compute.amazonaws.com	3.17.37.219	-

Instance: i-0bfb05d491707d964 (Windows1628) Public DNS: ec2-18-191-122-255.us-east-2.compute.amazonaws.com

Description	Status Checks	Monitoring	Tags
Instance ID	i-0bfb05d491707d964		
Instance state	running		
Instance type	t2.micro		
Finding	Opt-in to AWS Compute Optimizer for recommendations. <a href="#">Learn more</a>		
Private DNS	ip-172-31-37-232.us-east-2.compute.internal		
Private IPs	172.31.37.232		
Secondary private IPs			
VPC ID	vpc-573a993c		
Availability zone	us-east-2c		
Security groups	launch-wizard-1. view inbound rules. view outbound rules		
Scheduled events	No scheduled events		
AMI ID	Windows_Server-2019-English-Full-Base-2020.08.12 (ami-0239d3998515e9ed1)		

The screenshot shows a Windows 10 desktop environment accessed via Remote Desktop Connection. The desktop has a blue background with a window logo. On the left sidebar, there are icons for 'Recycle Bin', 'EC2 Feedback', and 'EC2 Micros...'. A PowerShell window is open, displaying the following command and output:

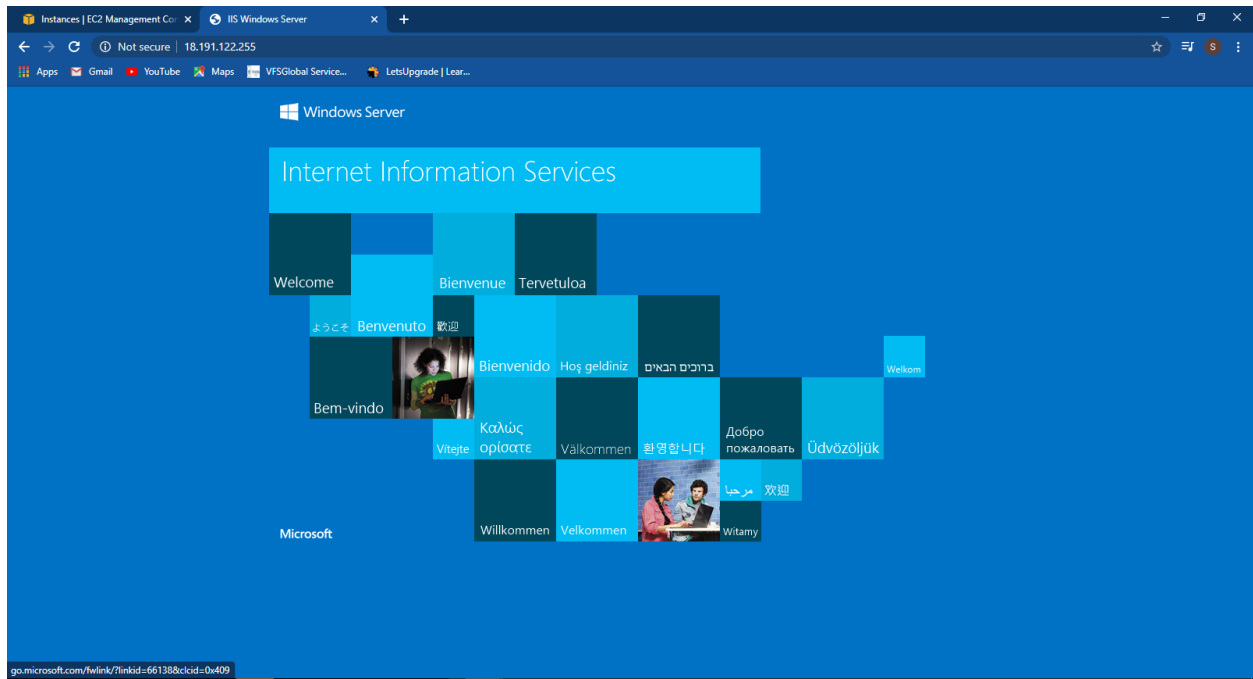
```
PS C:\Users\Administrator> Install-WindowsFeature -name Web-Server -IncludeManagementTools

Success Restart Needed Exit Code      Feature Result
-----
True      No          NoChangeNeeded {}

PS C:\Users\Administrator>
```

On the right side of the desktop, there is a text box displaying the following information:

```
Hostname: EC2AMAZ-KJSQGG2
Instance ID: i-0bfb05d491707d964
Public IP Address: 18.191.122.255
Private IP Address: 172.31.37.232
Instance Size: t2.micro
Availability Zone: us-east-2c
Architecture: AMD64
Total Memory: 1 GB
Network Performance: Low to Moderate
```



# LAB 2 Ubuntu Machine

The screenshot shows the AWS Management Console interface. On the left, there is a navigation menu with options like 'New EC2 Experience', 'EC2 Dashboard', 'Events', 'Tags', 'Limits', 'Instances', 'Instance Types', 'Launch Templates', 'Spot Requests', 'Savings Plans', 'Reserved Instances', 'Dedicated Hosts', 'Capacity Reservations', 'Images', 'Elastic Block Store', 'Volumes', 'Snapshots', and 'Lifecycle Manager'. The main area displays a table of EC2 instances. The instance 'Ubuntu1628' is selected, and its details are shown below. The instance is of type 't2.micro' in the 'us-east-2c' availability zone, with a state of 'running'. It has a public DNS of 'ec2-3-17-37-219.us-east-2.compute.amazonaws.com' and a public IP of '3.17.37.219'. The instance is associated with the 'launch-wizard-2' security group and has no scheduled events. The AMI ID is 'ami-0bbe28eb217316167'.

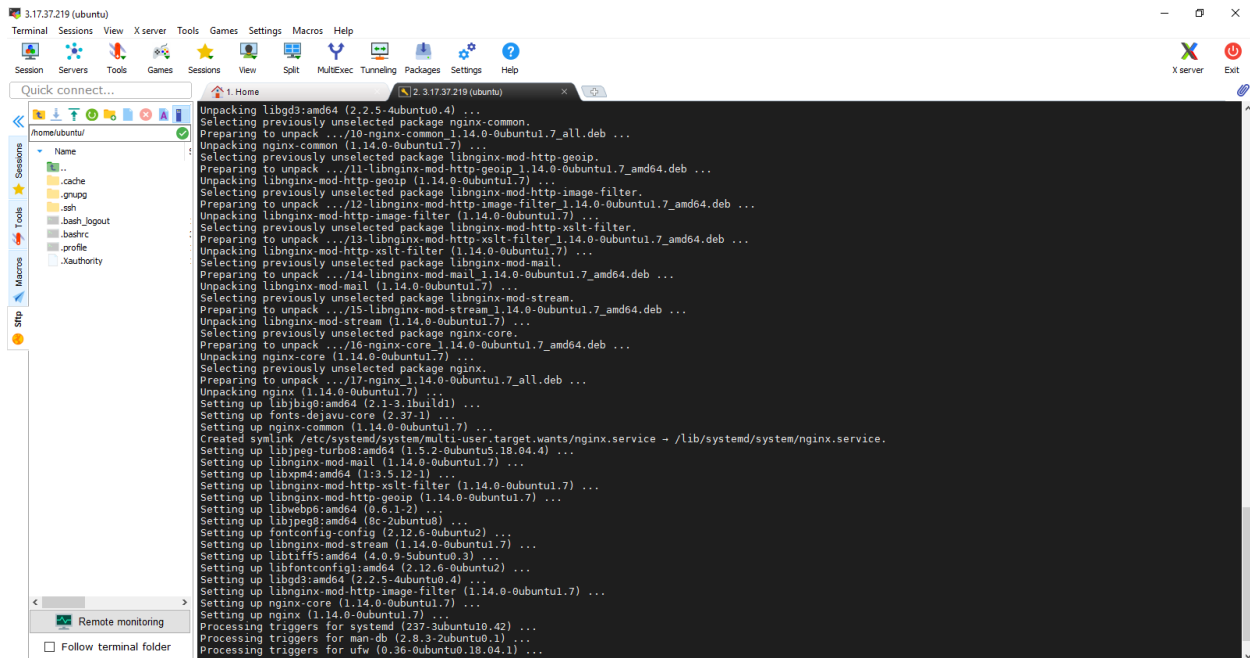
Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs
Windows1628	i-0bfb05d491707d964	t2.micro	us-east-2c	running	2/2 checks ...	None	ec2-18-191-122-255 us...	18.191.122.255	-
Ubuntu1628	i-0c407dd723073d80	t2.micro	us-east-2c	running	2/2 checks ...	None	ec2-3-17-37-219 us-ea...	3.17.37.219	-

**Instance: i-0c407dd723073d80 (Ubuntu1628)** Public DNS: ec2-3-17-37-219.us-east-2.compute.amazonaws.com

Description	Status Checks	Monitoring	Tags
Instance ID: i-0c407dd723073d80	Instance state: running	Public DNS (IPv4): ec2-3-17-37-219.us-east-2.compute.amazonaws.com	
Instance type: t2.micro	Instance type: t2.micro	IPv4 Public IP: 3.17.37.219	
Finding: Opt-in to AWS Compute Optimizer for recommendations. Learn more		IPv6 IPs: -	
Private DNS: ip-172-31-44-225 us-east-2 compute internal		Elastic IPs: -	
Private IPs: 172.31.44.225		Availability zone: us-east-2c	
Secondary private IPs: -		Security groups: launch-wizard-2 view inbound rules view outbound rules	
VPC ID: vpc-573a993c		Scheduled events: No scheduled events	
		AMI ID: ubuntu/images/hvm-ssd/ubuntu-bionic-18.04-amd64-server-20200810 (ami-0bbe28eb217316167)	

The screenshot shows a terminal window with the output of the 'sudo apt-get -y update' command. The output displays system information, including system load, memory usage, and the list of packages to be updated. The packages listed include 'bionic InRelease', 'bionic-backports InRelease', 'bionic-security InRelease', 'bionic/universe amd64 Packages', 'bionic-updates/main Translation-en', 'bionic-updates/restricted amd64 Packages', 'bionic-updates/restricted Translation-en', 'bionic-updates/universe amd64 Packages', 'bionic-updates/universe Translation-en', 'bionic-updates/multiverse amd64 Packages', 'bionic-updates/multiverse Translation-en', 'bionic-updates/main amd64 Packages', 'bionic-backports/main amd64 Packages', 'bionic-backports/main Translation-en', 'bionic-backports/universe amd64 Packages', and 'bionic-backports/universe Translation-en'.

```
ubuntu@ip-172-31-44-225:~$ sudo apt-get -y update
Hit:1 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic InRelease
Get:2 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
Get:3 http://us-east-2.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://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic/universe amd64 Packages [8570 kB]
Get:6 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic/universe Translation-en [4941 kB]
Get:7 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic/multiverse amd64 Packages [151 kB]
Get:8 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic/multiverse Translation-en [108 kB]
Get:9 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 Packages [1037 kB]
Get:10 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/main Translation-en [1348 kB]
Get:11 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/restricted amd64 Packages [85.1 kB]
Get:12 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/restricted Translation-en [18.7 kB]
Get:13 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe amd64 Packages [1109 kB]
Get:14 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe Translation-en [342 kB]
Get:15 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/multiverse amd64 Packages [19.4 kB]
Get:16 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-updates/multiverse Translation-en [6740 B]
Get:17 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-backports/main amd64 Packages [7516 B]
Get:18 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-backports/main Translation-en [4764 B]
Get:19 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-backports/universe amd64 Packages [7736 B]
Get:20 http://us-east-2.ec2.archive.ubuntu.com/ubuntu bionic-backports/universe Translation-en [4588 B]
```



```
Unpacking libgd3:amd64 (2.2.5-4ubuntu0.4) ...
Selecting previously unselected package nginx-common.
Preparing to unpack .../10-nginx-common_1.14.0-0ubuntu1.7_all.deb ...
Unpacking nginx-common (1.14.0-0ubuntu1.7) ...
Selecting previously unselected package libnginx-mod-http-geoip.
Preparing to unpack .../11-libnginx-mod-http-geoip_1.14.0-0ubuntu1.7_amd64.deb ...
Unpacking libnginx-mod-http-geoip (1.14.0-0ubuntu1.7) ...
Selecting previously unselected package libnginx-mod-http-image-filter.
Preparing to unpack .../12-libnginx-mod-http-image-filter_1.14.0-0ubuntu1.7_amd64.deb ...
Unpacking libnginx-mod-http-image-filter (1.14.0-0ubuntu1.7) ...
Selecting previously unselected package libnginx-mod-http-xslt-filter.
Preparing to unpack .../13-libnginx-mod-http-xslt-filter_1.14.0-0ubuntu1.7_amd64.deb ...
Unpacking libnginx-mod-http-xslt-filter (1.14.0-0ubuntu1.7) ...
Selecting previously unselected package libnginx-mod-mail.
Preparing to unpack .../14-libnginx-mod-mail_1.14.0-0ubuntu1.7_amd64.deb ...
Unpacking libnginx-mod-mail (1.14.0-0ubuntu1.7) ...
Selecting previously unselected package libnginx-mod-stream.
Preparing to unpack .../15-libnginx-mod-stream_1.14.0-0ubuntu1.7_amd64.deb ...
Unpacking libnginx-mod-stream (1.14.0-0ubuntu1.7) ...
Selecting previously unselected package nginx-core.
Preparing to unpack .../16-nginx-core_1.14.0-0ubuntu1.7_amd64.deb ...
Unpacking nginx-core (1.14.0-0ubuntu1.7) ...
Selecting previously unselected package nginx.
Preparing to unpack .../17-nginx_1.14.0-0ubuntu1.7_all.deb ...
Unpacking nginx (1.14.0-0ubuntu1.7) ...
Setting up libbigo:amd64 (2.1-3.1build1) ...
Setting up fonts-dejavu-core (2.37-1) ...
Setting up nginx-common (1.14.0-0ubuntu1.7) ...
Created symlink /etc/systemd/system/multi-user.target.wants/nginx.service → /lib/systemd/system/nginx.service.
Setting up libjpeg-turbo8:amd64 (1.5.2-0ubuntu5.18.04.4) ...
Setting up libnginx-mod-mail (1.14.0-0ubuntu1.7) ...
Setting up libnginx-mod-http-xslt-filter (1.14.0-0ubuntu1.7) ...
Setting up libnginx-mod-http-geoip (1.14.0-0ubuntu1.7) ...
Setting up libwebp6:amd64 (0.6.1-2) ...
Setting up libjpeg8:amd64 (8c-2ubuntu8) ...
Setting up fontconfig-config (2.12.0-0ubuntu2) ...
Setting up libnginx-mod-stream (1.14.0-0ubuntu1.7) ...
Setting up libtiff5:amd64 (4.0.9-5ubuntu0.3) ...
Setting up libfontconfig1:amd64 (2.12.0-0ubuntu2) ...
Setting up libgd3:amd64 (2.2.5-4ubuntu0.4) ...
Setting up libnginx-mod-http-image-filter (1.14.0-0ubuntu1.7) ...
Setting up nginx-core (1.14.0-0ubuntu1.7) ...
Processing triggers for systemd (237-3ubuntu10.42) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Processing triggers for ufw (0.36-0ubuntu0.18.04.1) ...
```



## Welcome to nginx!

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

For online documentation and support please refer to [nginx.org](http://nginx.org).  
Commercial support is available at [nginx.com](http://nginx.com).

*Thank you for using nginx.*