

Cloud Computing Hands on

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Course. : Cloud Computing 1 Hands On

1. Lunch an Amazon Linux EC2 Instance in a public subnet on us-east-1 region.

The screenshot displays the AWS Management Console for the 'us-east-1' region. The 'Instances' page shows a single instance named 'My Instance' with ID 'i-00dee1d530cd67b78'. The instance is in a 'Running' state, using a 't2.micro' instance type, and has a public IPv4 address of 18.212.202.122. The console also displays the instance's details, including its ID, state, type, VPC ID, and various IP addresses.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...
My Instance	i-00dee1d530cd67b78	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a	ec2-18-212-202-122.co...	18.212.202.122

i-00dee1d530cd67b78 (My Instance)

Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags

Instance summary

Instance ID i-00dee1d530cd67b78	Public IPv4 address 18.212.202.122 open address	Private IPv4 addresses 172.168.62.130
IPv6 address -	Instance state Running	Public DNS ec2-18-212-202-122.compute-1.amazonaws.com open address
Hostname type IP name: ip-172-168-62-130.ec2.internal	Private IP DNS name (IPv4 only) ip-172-168-62-130.ec2.internal	Elastic IP addresses -
Answer private resource DNS name -	Instance type t2.micro	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations.
Auto-assigned IP address 18.212.202.122 [Public IP]	VPC ID vpc-0c96f63752ca22968 (Myvpc)	

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2. Connect to the Linux Instance and execute the command `hostnamectl` to display information

```
Last login: Fri May 23 22:24:20 on ttyS000
liquiddma@Liquids-MBP ~ % ls
Desktop      Downloads    Movies       Pictures     yes
Documents   Library     Music        Public       yes.pub
liquiddma@Liquids-MBP ~ % cd downloads
liquiddma@Liquids-MBP downloads % cd
liquiddma@Liquids-MBP ~ % ls
Desktop      Downloads    Movies       Pictures     yes
Documents   Library     Music        Public       yes.pub
liquiddma@Liquids-MBP ~ % cd downloads
liquiddma@Liquids-MBP downloads % ls
2025_05_20_17_00_36_exportSecurityGroupsToCsv.csv
AWS-Interview-Guide.pdf
Apps
BEATS
Cloud
Interview Cheatsheet.pdf
Mama Folder
Manlikeliquid 4
My Doc for PR
My Files
Slack+4.44.68-macOS.dmg
To delete
admin_user_2025_accessKeys.csv
admin_user_nov_2024_accessKeys.csv
care pr
east-user_credentials.csv
hostnamectl.pem
mcp-forms-ben-reg.pdf
s3_user_2025_credentials.csv
s3_user_nov_2024_credentials.csv
liquiddma@Liquids-MBP downloads % chmod 400 "hostnamectl.pem"
liquiddma@Liquids-MBP downloads % ssh -l "hostnamectl.pem" ec2-user@ec2-18-212-292-122.compute-1.amazonaws.com
The authenticity of host 'ec2-18-212-292-122.compute-1.amazonaws.com (18.212.292.122)' can't be established.
ED25519 key fingerprint is SHA256:xx+39Gx/Xpa+m+CR6IvXISJjMODUwH7kbhuAUBDRY.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-18-212-292-122.compute-1.amazonaws.com' (ED25519) to the list of known hosts.
```

```
# _____ Amazon Linux 2023
#          |_____|
#         #####\
#        ####/\
#       ____W/_
#      /___V_/_____> https://aws.amazon.com/linux/amazon-linux-2023
#     /__o//
#    /__o//
#   /__o//
#  /__o//
```

```
[ec2-user@ip-172-168-62-130 ~]$ hostnamectl
Static hostname: ip-172-168-62-130.ec2.internal
Icon name: computer-vn
Chassis: vm [E]
Machine ID: ec27c8c5da1220ae7469c831f8e2d40
Boot ID: e1956fb82b15d4dcfc8114cd3de24a1736
Virtualization: xen
Operating System: Amazon Linux 2023.7.20250512
CPE OS Name: cpe:2.3:o:amazon:amazon_linux:2023
Kernel: Linux 6.1.134-152.225.amzn2023.x86_64
Architecture: x86_64
Hardware Vendor: Xen
Hardware Model: HW domU
Fireware Version: 4.11.amazon
[ec2-user@ip-172-168-62-130 ~]$ █
```