

Lab1

- Create account
- Aws iam user
- Create EC2 instance
- Linux commands

The screenshot shows the AWS Management Console for the 'ap-south-1' region. The left sidebar contains navigation links for EC2, Images, Elastic Block Store, Network & Security, and Load Balancing. The main content area displays the 'Instances (1/1)' page. A table lists the instance 'practice-machine' with ID 'i-0a1d3dfe508679b8c', state 'Running', and type 't2.micro'. Below the table, the 'Details' tab is selected, showing the 'Instance summary' section. This section includes fields for Instance ID, IP address, Hostname type, Answer private resource DNS name, Auto-assigned IP address, and IAM Role. A tooltip indicates that the public IPv4 address '15.207.222.162' has been copied. Other sections visible include 'Private IPv4 addresses', 'Public IPv4 DNS', 'Elastic IP addresses', 'AWS Compute Optimizer finding', and 'Auto Scaling Group name'.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
practice-machi...	i-0a1d3dfe508679b8c	Running	t2.micro	Initializing	View alarms +	ap-south-1b	ec2-15-207-222-162.ap...	15.207.222.162	-

i-0a1d3dfe508679b8c (practice-machine)

Instance summary

Instance ID: i-0a1d3dfe508679b8c

IPV6 address: -

Hostname type: IP name: ip-172-31-14-95.ap-south-1.compute.internal

Answer private resource DNS name: IPV4 (A)

Auto-assigned IP address: 15.207.222.162 [Public IP]

IAM Role: -

Instance state: Running

Private IP DNS name (IPV4 only): ip-172-31-14-95.ap-south-1.compute.internal

Instance type: t2.micro

VPC ID: vpc-063495caf9c1a1cc2

Subnet ID: subnet-06d03c780c0c4f2f3

Private IPv4 addresses: 172.31.14.95

Public IPv4 DNS: ec2-15-207-222-162.ap-south-1.compute.amazonaws.com | open address

Elastic IP addresses: -

AWS Compute Optimizer finding: Opt-in to AWS Compute Optimizer for recommendations. | Learn more

Auto Scaling Group name: -

```
ubuntu@ip-172-31-14-95: ~  
ubuntu@ip-172-31-14-95:~$ whoami  
ubuntu  
ubuntu@ip-172-31-14-95:~$ uname -a  
Linux ip-172-31-14-95 6.8.0-1021-aws #23-Ubuntu SMP Mon Dec 9 23:59:34 UTC 2024 x86_64 x86_64 x86_64  
GNU/Linux  
ubuntu@ip-172-31-14-95:~$ uname -r  
6.8.0-1021-aws  
ubuntu@ip-172-31-14-95:~$ uptime  
17:31:20 up 2 min, 1 user, load average: 0.05, 0.07, 0.03  
ubuntu@ip-172-31-14-95:~$ hostname  
ip-172-31-14-95  
ubuntu@ip-172-31-14-95:~$ free  
              total        used        free      shared  buff/cache   available  
Mem:           980388       331620       420900          888       383284       648768  
Swap:              0              0              0  
ubuntu@ip-172-31-14-95:~$ lscpu  
Architecture:          x86_64  
CPU op-mode(s):        32-bit, 64-bit  
Address sizes:          46 bits physical, 48 bits virtual  
Byte Order:             Little Endian  
CPU(s):                 1  
On-line CPU(s) list:    0  
Vendor ID:              GenuineIntel  
Model name:             Intel(R) Xeon(R) CPU E5-2686 v4 @ 2.30GHz  
CPU family:             6  
Model:                  79  
Thread(s) per core:     1  
Core(s) per socket:     1  
Socket(s):              1  
Stepping:               1  
BogoMIPS:               4599.99  
Flags:                  fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clfl  
ush mmx fxsr sse sse2 ht syscall nx rdtscp lm constant_tsc rep_good nopl xto  
pology cpuid tsc_known_freq pni pclmulqdq ssse3 fma cx16 pcid sse4_1 sse4_2  
x2apic movbe popcnt tsc_deadline_timer aes xsave avx f16c rdrand hypervisor  
lahf_lm abm pti fsgsbase bmi1 avx2 smep bmi2 erms invpcid xsaveopt  
Virtualization features:  
Hypervisor vendor:      Xen  
Virtualization type:    full  
Caches (sum of all):  
L1d:                    32 KiB (1 instance)  
L1i:                    32 KiB (1 instance)  
L2:                      256 KiB (1 instance)  
L3:                      45 MiB (1 instance)  
NUMA:  
NUMA node(s):           1  
NUMA node0 CPU(s):      0  
Vulnerabilities:  
Gather data sampling:    Not affected  
Itlb multihit:           KVM: Mitigation: VMX unsupported  
L1tf:                   Mitigation; PTE Inversion
```