

```
[ec2-user@ip-172-31-1386:/var/log] $ client_loop: send disconnect: Connection reset by peer

nishi@nishus-lappy MINGW64 ~/Desktop
$ ssh -i "nishul23.pem" ec2-user@ec2-3-129-210-210.us-east-2.compute.amazonaws.com

#
#####
#####
#####
#|
V^
https://aws.amazon.com/linux/amazon-linux-2023

Last login: Tue Jun 6 19:55:03 2023 from 172.58.108.240
[ec2-user@ip-172-31-13-86 ~]$ cd /var/log
bash: cd: /var/log: No such file or directory
[ec2-user@ip-172-31-13-86 ~]$ cd /var/log
[ec2-user@ip-172-31-13-86 log]$ ls
README      btmap        cloud-init.log   dnf.rpm.log     lastlog         sssd            tallylog
amazon      chrony       dnf.librepo.log  hawkey.log      private        wtmp
audit       cloud-init-output.log  dnf.log          journal
[ec2-user@ip-172-31-13-86 log]$ ls *.log
cloud-init-output.log  dnf.librepo.log  dnf.rpm.log
cloud-init.log         dnf.log          hawkey.log
[ec2-user@ip-172-31-13-86 log]$ awk -v today="$(date +%Y-%m-%d)" '$0 ~ today' /var/log/*.*log
2023-06-06 19:06:38,048 - util.py[DEBUG]: Cloud-init v. 22.2.2 running 'init' at Tue, 06 Jun 2023 19:06:37 +0000. Up 7.92 seconds.
2023-06-06 19:06:38,048 - main.py[DEBUG]: No kernel command line url found.
2023-06-06 19:06:38,048 - main.py[DEBUG]: Closing stdin.
2023-06-06 19:06:38,049 - util.py[DEBUG]: Restoring selinux mode for /var/lib/cloud (recursive=False)
2023-06-06 19:06:38,050 - util.py[DEBUG]: Restoring selinux mode for /var/lib/cloud (recursive=True)
2023-06-06 19:06:38,054 - util.py[DEBUG]: Restoring selinux mode for /var/lib/cloud/scripts (recursive=False)
2023-06-06 19:06:38,066 - util.py[DEBUG]: Restoring selinux mode for /var/lib/cloud/scripts (recursive=True)
2023-06-06 19:06:38,082 - util.py[DEBUG]: Restoring selinux mode for /var/lib/cloud/scripts/per-instance (recursive=False)
2023-06-06 19:06:38,082 - util.py[DEBUG]: Restoring selinux mode for /var/lib/cloud/scripts (recursive=True)
2023-06-06 19:06:38,096 - util.py[DEBUG]: Restoring selinux mode for /var/lib/cloud/scripts/per-once (recursive=False)
2023-06-06 19:06:38,096 - util.py[DEBUG]: Restoring selinux mode for /var/lib/cloud/scripts (recursive=True)
2023-06-06 19:06:38,101 - util.py[DEBUG]: Restoring selinux mode for /var/lib/cloud/scripts/per-boot (recursive=False)
2023-06-06 19:06:38,102 - util.py[DEBUG]: Restoring selinux mode for /var/lib/cloud/scripts (recursive=True)
2023-06-06 19:06:38,117 - util.py[DEBUG]: Restoring selinux mode for /var/lib/cloud/scripts/vendor (recursive=False)
2023-06-06 19:06:38,118 - util.py[DEBUG]: Restoring selinux mode for /var/lib/cloud (recursive=True)
2023-06-06 19:06:38,137 - util.py[DEBUG]: Restoring selinux mode for /var/lib/c
```

ec2-user@ip-172-31-13-86:/var/log

```
219ce6c58ed249e806f6dcfcb5437f3d4f2522a322bf6f0/x86_64/repodata/repomd.xml
2023-06-06T19:06:51+0000 INFO Downloading: https://al2023-repos-us-east-2-de612d
c2.s3.dualstack.us-east-2.amazonaws.com/kernel-livepatch/guids/e2e124f767f49a82b
219ce6c58ed249e806f6dcfcb5437f3d4f2522a322bf6f0/x86_64/repodata/primary.xml.gz
2023-06-06T19:06:51+0000 INFO Downloading: https://al2023-repos-us-east-2-de612d
c2.s3.dualstack.us-east-2.amazonaws.com/kernel-livepatch/guids/e2e124f767f49a82b
219ce6c58ed249e806f6dcfcb5437f3d4f2522a322bf6f0/x86_64/repodata/filelists.xml.gz
2023-06-06T19:06:51+0000 INFO Downloading: https://al2023-repos-us-east-2-de612d
c2.s3.dualstack.us-east-2.amazonaws.com/kernel-livepatch/guids/e2e124f767f49a82b
219ce6c58ed249e806f6dcfcb5437f3d4f2522a322bf6f0/x86_64/repodata/updateinfo.xml.g
z
2023-06-06T19:06:53+0000 INFO Librepo version: 1.14.2 with CURL_GLOBAL_ACK_EINTR
support (libcurl/7.88.1 OpenSSL/3.0.8 zlib/1.2.11 libidn2/2.3.2 nghttp2/1.51.0)
2023-06-06T19:06:53+0000 INFO Downloading: https://al2023-repos-us-east-2-de612d
c2.s3.dualstack.us-east-2.amazonaws.com/core/releasemd.xml
2023-06-06T19:06:44+0000 INFO --- logging initialized ---
2023-06-06T19:06:44+0000 DDEBUG timer: config: 24 ms
2023-06-06T19:06:44+0000 DEBUG Loaded plugins: builddep, changelog, config-manag
er, copr, debug, debuginfo-install, download, generate_completion_cache, groups-
manager, needs-restarting, playground, release-notification, repoclosure, repodi
ff, repograph, repomanage, reposync, supportinfo
2023-06-06T19:06:44+0000 DEBUG DNF version: 4.12.0
2023-06-06T19:06:44+0000 DDEBUG Command: dnf --debuglevel 2 updateinfo
2023-06-06T19:06:44+0000 DDEBUG Installroot: /
2023-06-06T19:06:44+0000 DDEBUG Releasever: 2023.0.20230517
2023-06-06T19:06:44+0000 DEBUG cachedir: /var/cache/dnf
2023-06-06T19:06:44+0000 DDEBUG Base command: updateinfo
2023-06-06T19:06:44+0000 DDEBUG Extra commands: ['--debuglevel', '2', 'updateinf
o']
2023-06-06T19:06:44+0000 DEBUG User-Agent: constructed: 'libdnf (Amazon Linux 20
23; generic; Linux.x86_64)'
2023-06-06T19:06:44+0000 DEBUG repo: downloading from remote: amazonlinux
2023-06-06T19:06:51+0000 DEBUG amazonlinux: using metadata from Fri May 12 01:48
:30 2023.
2023-06-06T19:06:51+0000 DEBUG repo: downloading from remote: kernel-livepatch
2023-06-06T19:06:51+0000 DEBUG kernel-livepatch: using metadata from Mon May 8
16:45:31 2023.
2023-06-06T19:06:51+0000 DDEBUG timer: sack setup: 7511 ms
2023-06-06T19:06:51+0000 DEBUG Completion plugin: Generating completion cache...
2023-06-06T19:06:52+0000 DDEBUG Cleaning up.
2023-06-06T19:06:53+0000 INFO --- logging initialized ---
2023-06-06T19:06:53+0000 DDEBUG timer: config: 13 ms
2023-06-06T19:06:53+0000 DEBUG Loaded plugins: builddep, changelog, config-manag
er, copr, debug, debuginfo-install, download, generate_completion_cache, groups-
manager, needs-restarting, playground, release-notification, repoclosure, repodi
ff, repograph, repomanage, reposync, supportinfo
2023-06-06T19:06:53+0000 DEBUG DNF version: 4.12.0
2023-06-06T19:06:53+0000 DDEBUG Command: dnf check-release-update
2023-06-06T19:06:53+0000 DDEBUG Installroot: /
2023-06-06T19:06:53+0000 DDEBUG Releasever: 2023.0.20230517
2023-06-06T19:06:53+0000 DEBUG cachedir: /var/cache/dnf
2023-06-06T19:06:53+0000 DDEBUG Base command: check-release-update
2023-06-06T19:06:53+0000 DDEBUG Extra commands: ['check-release-update']
2023-06-06T19:06:53+0000 DDEBUG Cleaning up.
2023-06-06T19:06:44+0000 INFO --- logging initialized ---
2023-06-06T19:06:53+0000 INFO --- logging initialized ---
2023-06-06T19:06:44+0000 INFO === Started libdnf-0.67.0 ===
[ec2-user@ip-172-31-13-86 log]$
```

ec2-user@ip-172-31-13-86:~

```
[ec2-user@ip-172-31-13-86 ~]$ vi eoo.sh
[ec2-user@ip-172-31-13-86 ~]$ sh eoo.sh 16
16 is even.
[ec2-user@ip-172-31-13-86 ~]$ sh eoo.sh 15
15 is odd.
[ec2-user@ip-172-31-13-86 ~]$
```



```
[ec2-user@ip-172-31-7-90 ~]$ sudo su -
[root@ip-172-31-7-90 ~]# yum install httpd -y
Last metadata expiration check: 0:09:33 ago on Tue Jun 6 21:12:11 2023.
Package httpd-2.4.56-1.amzn2023.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-172-31-7-90 ~]# systemctl status httpd
-bash: systemctl: command not found
[root@ip-172-31-7-90 ~]# systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; preset: disabled)
   Active: active (running) since Tue 2023-06-06 21:12:20 UTC; 9min ago
     Docs: man:httpd.service(8)
  Main PID: 3281 (httpd)
    Status: "Total requests: 0; Idle/Busy workers 100/0; Requests/sec: 0; Bytes served/sec: 0 B/sec"
    Tasks: 177 (limit: 1108)
   Memory: 12.8M
      CPU: 429ms
   CGroup: /system.slice/httpd.service
           └─3281 /usr/sbin/httpd -DFOREGROUND
             └─3355 /usr/sbin/httpd -DFOREGROUND
               └─3365 /usr/sbin/httpd -DFOREGROUND
                 └─3366 /usr/sbin/httpd -DFOREGROUND
                   └─3367 /usr/sbin/httpd -DFOREGROUND
```

```
[ec2-user@ip-172-31-3-176 ~]$ sudo su -
[root@ip-172-31-3-176 ~]# systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; preset: disabled)
   Active: active (running) since Tue 2023-06-06 21:13:28 UTC; 9min ago
     Docs: man:httpd.service(8)
  Main PID: 3251 (httpd)
    Status: "Total requests: 0; Idle/Busy workers 100/0; Requests/sec: 0; Bytes served/sec: 0 B/sec"
    Tasks: 177 (limit: 1108)
   Memory: 12.8M
      CPU: 398ms
   CGroup: /system.slice/httpd.service
           └─3251 /usr/sbin/httpd -DFOREGROUND
             └─3336 /usr/sbin/httpd -DFOREGROUND
               └─3342 /usr/sbin/httpd -DFOREGROUND
                 └─3343 /usr/sbin/httpd -DFOREGROUND
                   └─3344 /usr/sbin/httpd -DFOREGROUND

Jun 06 21:13:28 ip-172-31-3-176.us-east-2.compute.internal systemd[1]: Starting httpd.service - The Apache HTTP Server...
Jun 06 21:13:28 ip-172-31-3-176.us-east-2.compute.internal systemd[1]: Started httpd.service - The Apache HTTP Server.
Jun 06 21:13:28 ip-172-31-3-176.us-east-2.compute.internal httpd[3251]: Server configured, listening on: port 80
[root@ip-172-31-3-176 ~]# echo "<h1> at $(hostname -f) </h1>" > /var/www/html/index.html
[root@ip-172-31-3-176 ~]# ^C
[root@ip-172-31-3-176 ~]# ^C
```

EC2 > Load balancers > my-lb

### my-lb

Details

Load balancer type Application	Status Active	VPC vpc-079de7871086f4161	IP address type IPv4
Scheme Internet-facing	Hosted zone Z3AADJGX6KTTL2	Availability Zones subnet-081a917d6e10d3d5b us-east-2a (use2-az1) subnet-0a521c1cedfa9d74 us-east-2b (use2-az2)	Date created June 6, 2023, 16:29 (UTC-05:00)
Load balancer ARN arn:aws:elasticloadbalancing:us-east-2:135429176541:loadbalancer/app/my-lb/9db8dd692e5ee527		DNS name my-lb-86879617.us-east-2.elb.amazonaws.com (A Record)	

Listeners | Network mapping | Security | Monitoring | Integrations | Attributes | Tags



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VPC

Capacity Reservations

Images

Elastic Block Store

Network & Security

Load Balancing

Auto Scaling

EC2 > Target groups > new-tg

new-tg

Details

arn:aws:elasticloadbalancing:us-east-2:135429176541:targetgroup/new-tg/f4e379414f97ae13

Target type	Protocol : Port	Protocol version	VPC
Instance	HTTP: 80	HTTP1	vpc-079de7871086f4161
IP address type	Load balancer		
IPv4	my-lb		

Total targets	Healthy	Unhealthy	Unused	Initial	Draining
2	2	0	0	0	0

Distribution of targets by Availability Zone (AZ)  
Select values in this table to see corresponding filters applied to the Registered targets table below.

TargetsMonitoringHealth checksAttributesTags

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EC2 > Instances > i-0a37b14725c459f91

Instance summary for i-0a37b14725c459f91 (inst1)

Updated less than a minute ago

ConnectInstance stateActions

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0a37b14725c459f91 (inst1)	3.144.123.187   open address	172.31.7.90
IPv6 address	Instance state	Public IPv4 DNS
-	Running	ec2-3-144-123-187.us-east-2.compute.amazonaws.com   open address
Hostname type	Private IP DNS name (IPv4 only)	Elastic IP addresses
IP name: ip-172-31-7-90.us-east-2.compute.internal	ip-172-31-7-90.us-east-2.compute.internal	-
Answer private resource DNS name	Instance type	AWS Compute Optimizer finding
IPv4 (A)	t2.micro	Opt-in to AWS Compute Optimizer for recommendations.   Learn more
Auto-assigned IP address	VPC ID	Auto Scaling Group name
3.144.123.187 [Public IP]	vpc-079de7871086f4161	-
IAM Role	Subnet ID	
-	subnet-081a917d6e10d3d5b	
IMDSv2		
Required		

DetailsSecurityNetworkingStorageStatus checksMonitoringTags

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EC2 > Instances > i-0cf090770a3c437ae

Instance summary for i-0cf090770a3c437ae (inst2)

Updated less than a minute ago

ConnectInstance stateActions

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0cf090770a3c437ae (inst2)	3.138.101.22   open address	172.31.3.176
IPv6 address	Instance state	Public IPv4 DNS
-	Running	ec2-3-138-101-22.us-east-2.compute.amazonaws.com   open address
Hostname type	Private IP DNS name (IPv4 only)	Elastic IP addresses
IP name: ip-172-31-3-176.us-east-2.compute.internal	ip-172-31-3-176.us-east-2.compute.internal	-
Answer private resource DNS name	Instance type	AWS Compute Optimizer finding
IPv4 (A)	t2.micro	Opt-in to AWS Compute Optimizer for recommendations.   Learn more
Auto-assigned IP address	VPC ID	Auto Scaling Group name
3.138.101.22 [Public IP]	vpc-079de7871086f4161	-
IAM Role	Subnet ID	
-	subnet-081a917d6e10d3d5b	
IMDSv2		
Required		

DetailsSecurityNetworkingStorageStatus checksMonitoringTags