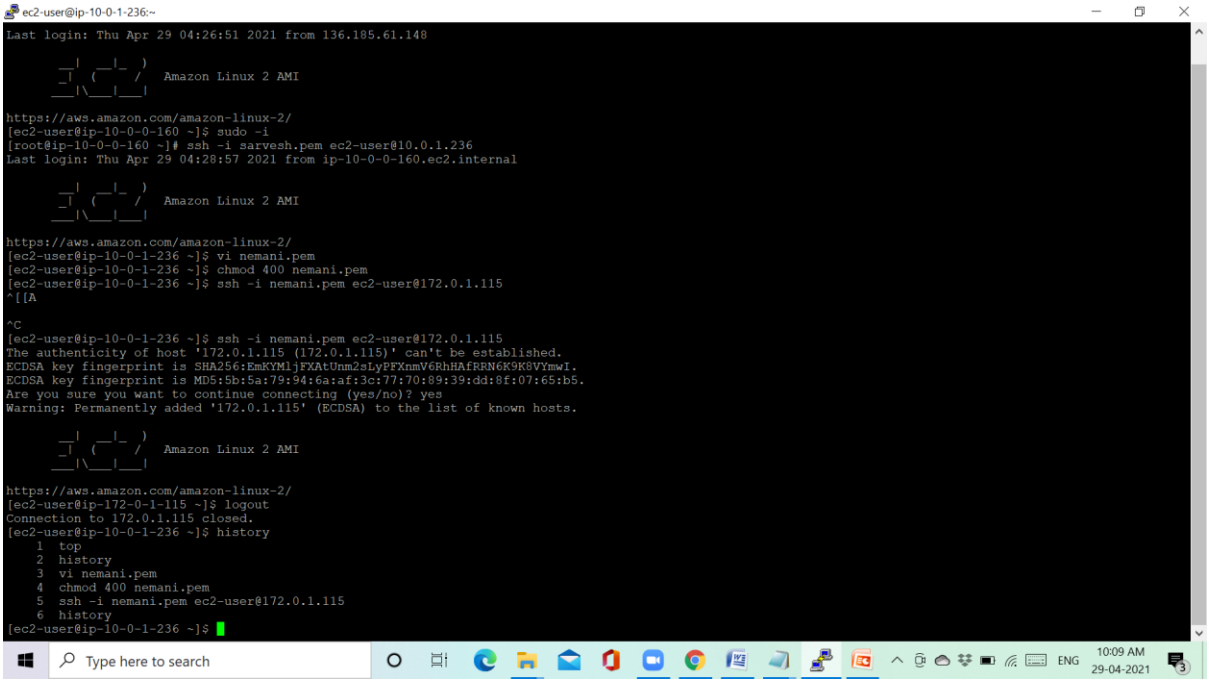
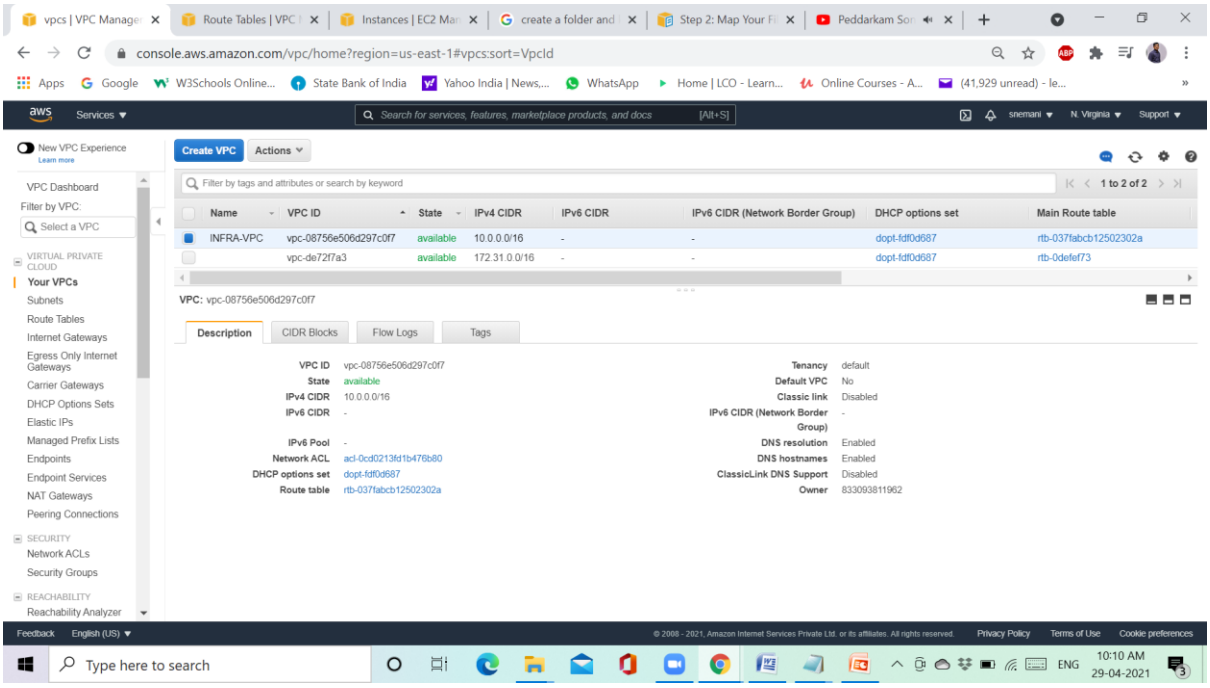
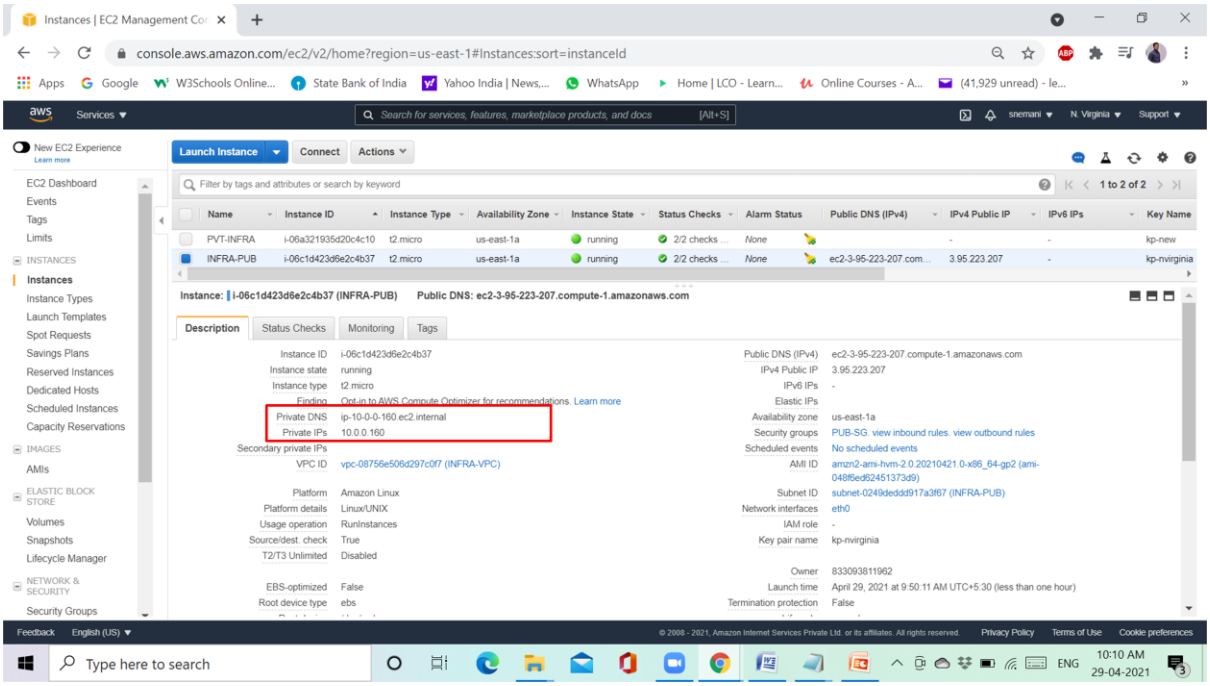
AWS Project: -12
Project Date: – 29.04.2021
Prepared by: – Sarveswara Sarma Nemani

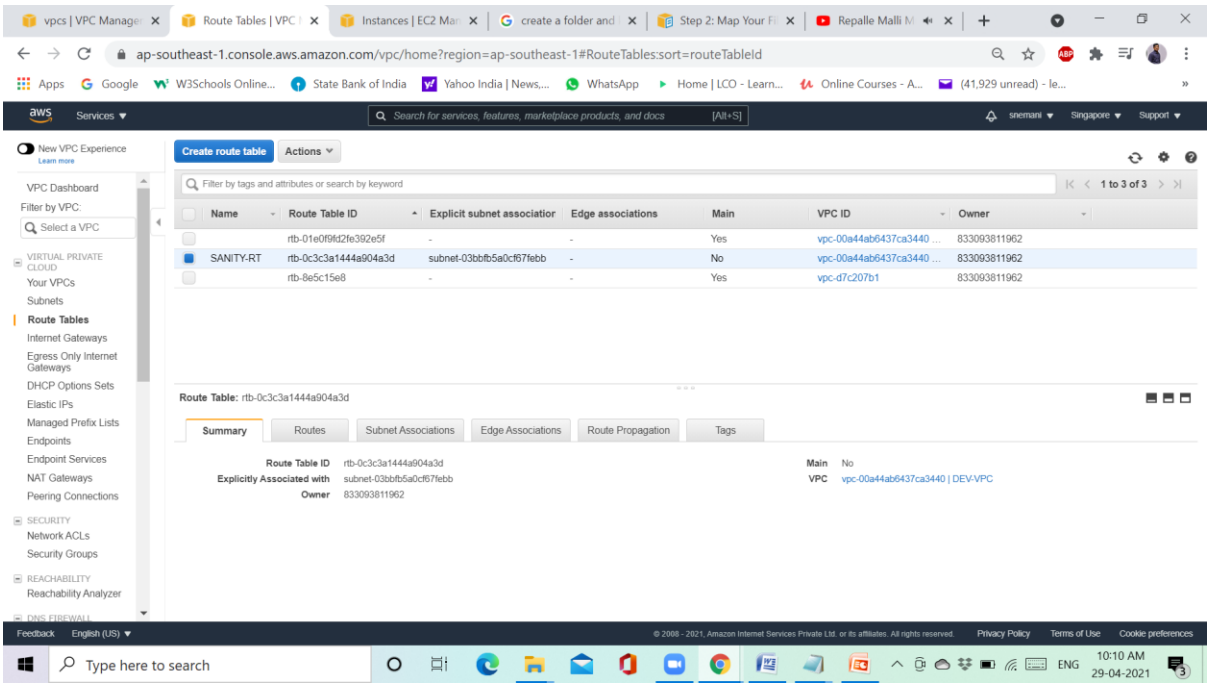
Q:- Create 2 VPC in same Account with Different Regions and Create **VPC peering** Access the "Request VPC " Private server Access and create a folder and keep some files in that server

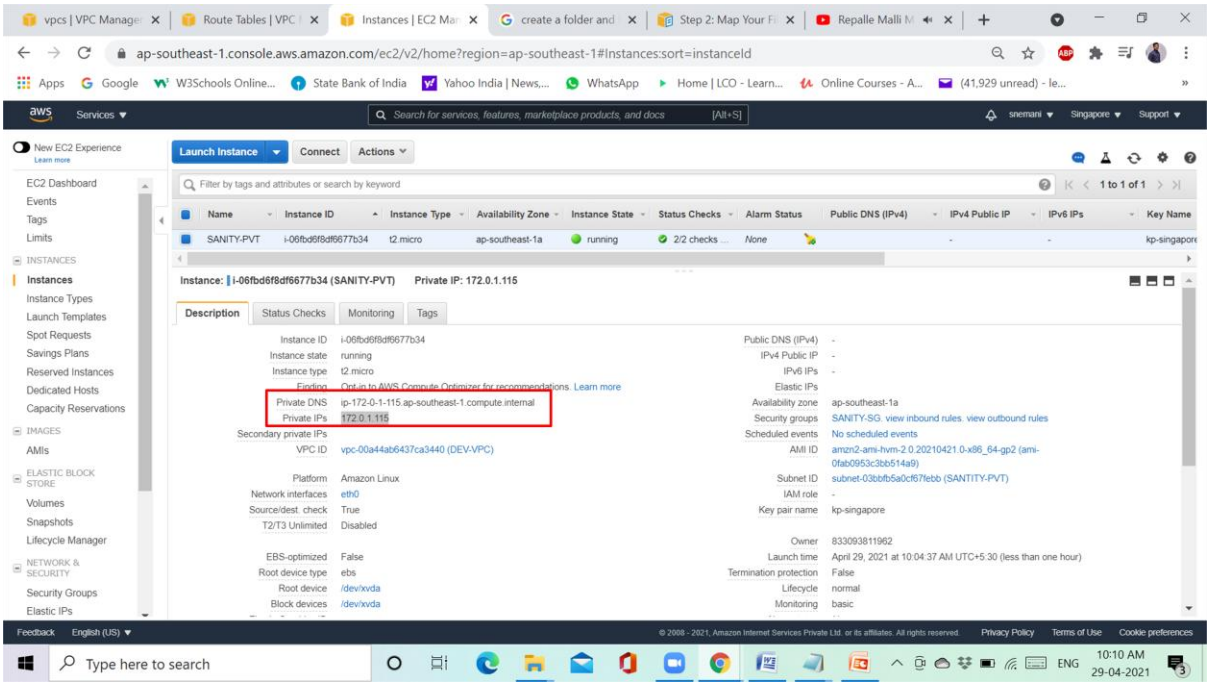
Sol:

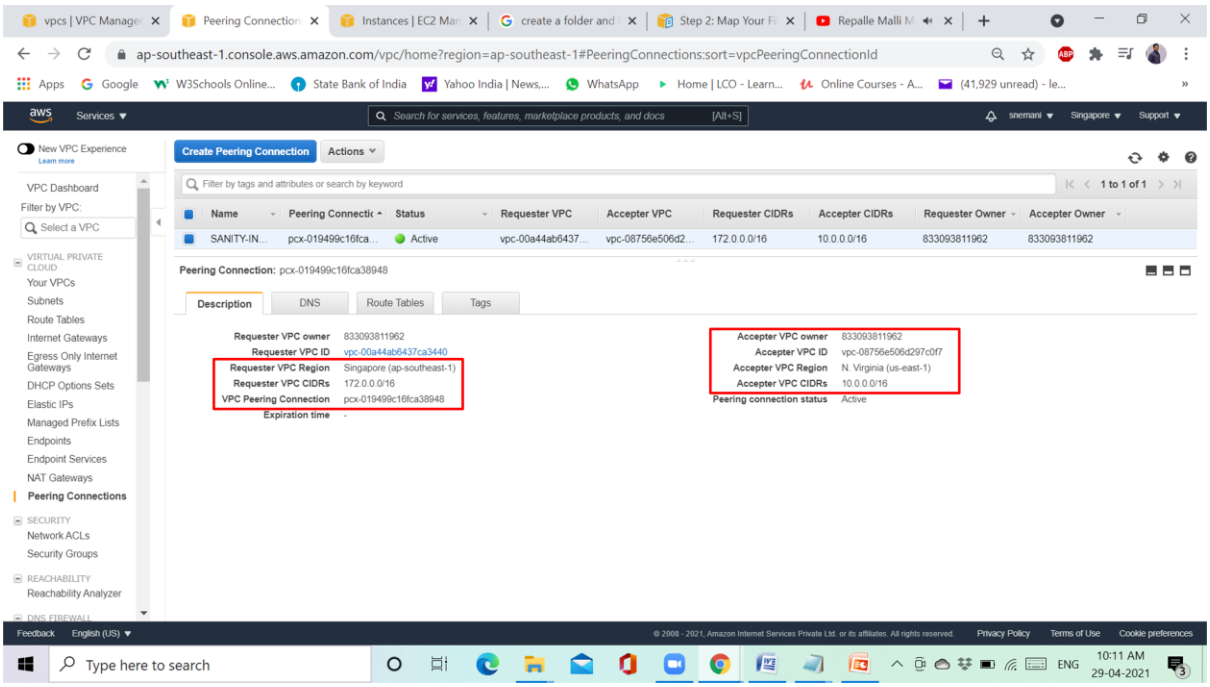





Instances | EC2 Management Co
console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:sort=instanceId
Launch Instance
Connect
Actions
INFRA-PUB
Instance: i-06c1d423d6e2c4b37 (INFRA-PUB)
Public DNS: ec2-3-95-223-207.compute-1.amazonaws.com
Private DNS ip-10-0-0-160.ec2.internal
Private IPs 10.0.0.160
Type here to search


vpcs | VPC Manage
Route Tables | VPC
ap-southeast-1.console.aws.amazon.com/vpc/home?region=ap-southeast-1#RouteTables:sort=routeTableId
Create route table
Actions
SANITY-RT
Route Table: rtb-0c3c3a1444a904a3d
Type here to search





Terminal Logs: -

```
login as: ec2-user
Authenticating with public key "imported-openssh-key"

       __|  __|_  )
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      ___|\___|___|

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-10-0-0-160 ~]$ sudo -i
```

```
[root@ip-10-0-0-160 ~]# yum install httpd -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core                                               | 3.7 kB     00:00
Resolving Dependencies
--> Running transaction check
---> Package httpd.x86_64 0:2.4.46-1.amzn2 will be installed
--> Processing Dependency: httpd-tools = 2.4.46-1.amzn2 for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: httpd-filesystem = 2.4.46-1.amzn2 for package: httpd-2.4.46-
1.amzn2.x86_64
--> Processing Dependency: system-logos-httpd for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: mod_http2 for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: httpd-filesystem for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: /etc/mime.types for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: libaprutil-1.so.0()(64bit) for package: httpd-2.4.46-1.amzn2.x86_64
--> Processing Dependency: libapr-1.so.0()(64bit) for package: httpd-2.4.46-1.amzn2.x86_64
--> Running transaction check
---> Package apr.x86_64 0:1.6.3-5.amzn2.0.2 will be installed
---> Package apr-util.x86_64 0:1.6.1-5.amzn2.0.2 will be installed
--> Processing Dependency: apr-util-bdb(x86-64) = 1.6.1-5.amzn2.0.2 for package: apr-util-1.6.1-
5.amzn2.0.2.x86_64
---> Package generic-logos-httpd.noarch 0:18.0.0-4.amzn2 will be installed
---> Package httpd-filesystem.noarch 0:2.4.46-1.amzn2 will be installed
---> Package httpd-tools.x86_64 0:2.4.46-1.amzn2 will be installed
---> Package mailcap.noarch 0:2.1.41-2.amzn2 will be installed
---> Package mod_http2.x86_64 0:1.15.14-2.amzn2 will be installed
--> Running transaction check
---> Package apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

================================================================================
 Package              Arch       Version              Repository      Size
================================================================================
Installing:
 httpd                x86_64     2.4.46-1.amzn2       amzn2-core     1.3 M
Installing for dependencies:
 apr                  x86_64     1.6.3-5.amzn2.0.2    amzn2-core     118 k
 apr-util             x86_64     1.6.1-5.amzn2.0.2    amzn2-core      99 k
 apr-util-bdb         x86_64     1.6.1-5.amzn2.0.2    amzn2-core      19 k
 generic-logos-httpd  noarch     18.0.0-4.amzn2       amzn2-core      19 k
 httpd-filesystem     noarch     2.4.46-1.amzn2       amzn2-core      23 k
 httpd-tools          x86_64     2.4.46-1.amzn2       amzn2-core      87 k
 mailcap              noarch     2.1.41-2.amzn2       amzn2-core      31 k
 mod_http2            x86_64     1.15.14-2.amzn2      amzn2-core     147 k

Transaction Summary
================================================================================
Install  1 Package (+8 Dependent packages)

Total download size: 1.8 M
```

```
Installed size: 5.1 M
Downloading packages:
(1/9): apr-util-1.6.1-5.amzn2.0.2.x86_64.rpm               |  99 kB   00:00
(2/9): apr-1.6.3-5.amzn2.0.2.x86_64.rpm                    | 118 kB   00:00
(3/9): apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64.rpm           |  19 kB   00:00
(4/9): generic-logos-httpd-18.0.0-4.amzn2.noarch.rpm       |  19 kB   00:00
(5/9): httpd-2.4.46-1.amzn2.x86_64.rpm                     | 1.3 MB   00:00
(6/9): httpd-tools-2.4.46-1.amzn2.x86_64.rpm               |  87 kB   00:00
(7/9): mailcap-2.1.41-2.amzn2.noarch.rpm                   |  31 kB   00:00
(8/9): httpd-filesystem-2.4.46-1.amzn2.noarch.rpm          |  23 kB   00:00
(9/9): mod_http2-1.15.14-2.amzn2.x86_64.rpm                | 147 kB   00:00
--------------------------------------------------------------------------------
Total                                       6.2 MB/s | 1.8 MB  00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : apr-1.6.3-5.amzn2.0.2.x86_64                                 1/9
  Installing : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64                        2/9
  Installing : apr-util-1.6.1-5.amzn2.0.2.x86_64                            3/9
  Installing : httpd-tools-2.4.46-1.amzn2.x86_64                            4/9
  Installing : generic-logos-httpd-18.0.0-4.amzn2.noarch                    5/9
  Installing : mailcap-2.1.41-2.amzn2.noarch                                6/9
  Installing : httpd-filesystem-2.4.46-1.amzn2.noarch                       7/9
  Installing : mod_http2-1.15.14-2.amzn2.x86_64                             8/9
  Installing : httpd-2.4.46-1.amzn2.x86_64                                  9/9
  Verifying  : apr-util-1.6.1-5.amzn2.0.2.x86_64                            1/9
  Verifying  : httpd-filesystem-2.4.46-1.amzn2.noarch                       2/9
  Verifying  : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64                        3/9
  Verifying  : httpd-tools-2.4.46-1.amzn2.x86_64                            4/9
  Verifying  : mod_http2-1.15.14-2.amzn2.x86_64                             5/9
  Verifying  : apr-1.6.3-5.amzn2.0.2.x86_64                                 6/9
  Verifying  : mailcap-2.1.41-2.amzn2.noarch                                7/9
  Verifying  : generic-logos-httpd-18.0.0-4.amzn2.noarch                    8/9
  Verifying  : httpd-2.4.46-1.amzn2.x86_64                                  9/9

Installed:
  httpd.x86_64 0:2.4.46-1.amzn2

Dependency Installed:
  apr.x86_64 0:1.6.3-5.amzn2.0.2
  apr-util.x86_64 0:1.6.1-5.amzn2.0.2
  apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2
  generic-logos-httpd.noarch 0:18.0.0-4.amzn2
  httpd-filesystem.noarch 0:2.4.46-1.amzn2
  httpd-tools.x86_64 0:2.4.46-1.amzn2
  mailcap.noarch 0:2.1.41-2.amzn2
  mod_http2.x86_64 0:1.15.14-2.amzn2

Complete!
[root@ip-10-0-0-160 ~]# vi sarvesh.pem
[root@ip-10-0-0-160 ~]# chmod 400 sarvesh.pem
[root@ip-10-0-0-160 ~]# ssh -i sarvesh.pem ec2-user@10.0.1.236
The authenticity of host '10.0.1.236 (10.0.1.236)' can't be established.
```

```
ECDSA key fingerprint is SHA256:/8uetanxtgMFBIGnq6PyoIz56ITiEjq9Inv5UFg69PQ.
ECDSA key fingerprint is MD5:56:d8:ee:3d:df:57:ea:5c:a2:f2:35:46:e1:f5:31:11.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '10.0.1.236' (ECDSA) to the list of known hosts.

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https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-10-0-1-236 ~]$ top
top - 04:29:19 up 7 min,  1 user,  load average: 0.00, 0.00, 0.00
Tasks:  84 total,   1 running,  47 sleeping,   0 stopped,   0 zombie
%Cpu(s):  0.0 us,  0.0 sy,  0.0 ni,100.0 id,  0.0 wa,  0.0 hi,  0.0 si,  0.0 st
KiB Mem :  1006896 total,   745636 free,    83508 used,   177752 buff/cache
KiB Swap:        0 total,        0 free,        0 used.   789568 avail Mem

  PID USER      PR  NI    VIRT    RES    SHR S %CPU %MEM     TIME+ COMMAND
    1 root      20   0  125508   5356   3968 S  0.0  0.5   0:01.62 systemd
    2 root      20   0       0      0      0 S  0.0  0.0   0:00.00 kthreadd
    4 root       0 -20       0      0      0 I  0.0  0.0   0:00.00 kworker/0:0H
    5 root      20   0       0      0      0 I  0.0  0.0   0:00.01 kworker/u30+
    6 root       0 -20       0      0      0 I  0.0  0.0   0:00.00 mm_percpu_wq
    7 root      20   0       0      0      0 S  0.0  0.0   0:00.03 ksoftirqd/0
    8 root      20   0       0      0      0 I  0.0  0.0   0:00.23 rcu_sched
    9 root      20   0       0      0      0 I  0.0  0.0   0:00.00 rcu_bh
   10 root      rt   0       0      0      0 S  0.0  0.0   0:00.00 migration/0
   11 root      rt   0       0      0      0 S  0.0  0.0   0:00.00 watchdog/0
   12 root      20   0       0      0      0 S  0.0  0.0   0:00.00 cpuhp/0
   14 root      20   0       0      0      0 S  0.0  0.0   0:00.00 kdevtmpfs
   15 root       0 -20       0      0      0 I  0.0  0.0   0:00.00 netns
   16 root      20   0       0      0      0 I  0.0  0.0   0:00.01 kworker/u30+
  174 root      20   0       0      0      0 S  0.0  0.0   0:00.00 khungtaskd
  175 root      20   0       0      0      0 S  0.0  0.0   0:00.00 oom_reaper
  176 root       0 -20       0      0      0 I  0.0  0.0   0:00.00 writeback
```