

To access S3 from CLI by using shell script

Step 1:

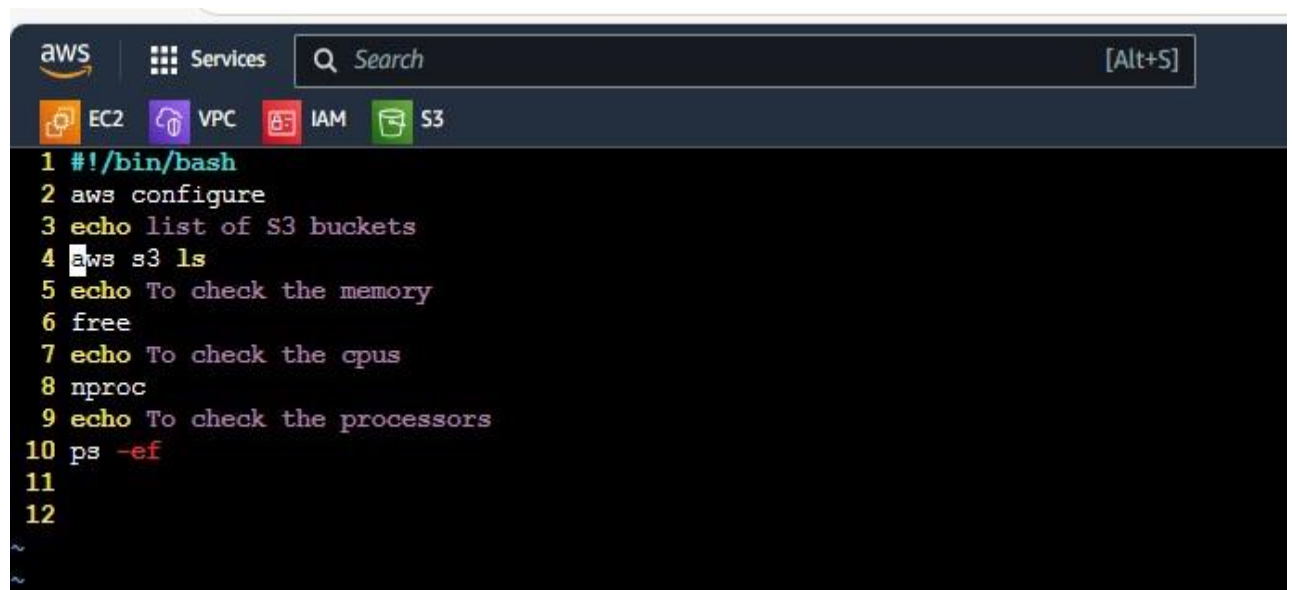
1. Launch the instance
2. Select the IAM service
 - Create one user
 - Give AWS S3 full access permissions
 - Create access key and secret key in user
3. Connect the instance directly

Step 2:

1. Create one new file with shell script extension (.sh)
Ex: vi shellscript.sh
2. Give executable permissions to the file (shellscript.sh)
3. Chmod 777 shellscript.sh – it can provide complete permissions to the file

Commands	
#!/bin/bash	To write script
aws configure	It provides keys
aws s3 ls	To list the buckets
free	To check memory space
nproc	To check CPUs in server
ps -ef	To check CPU processor

4. it is shown in below figure

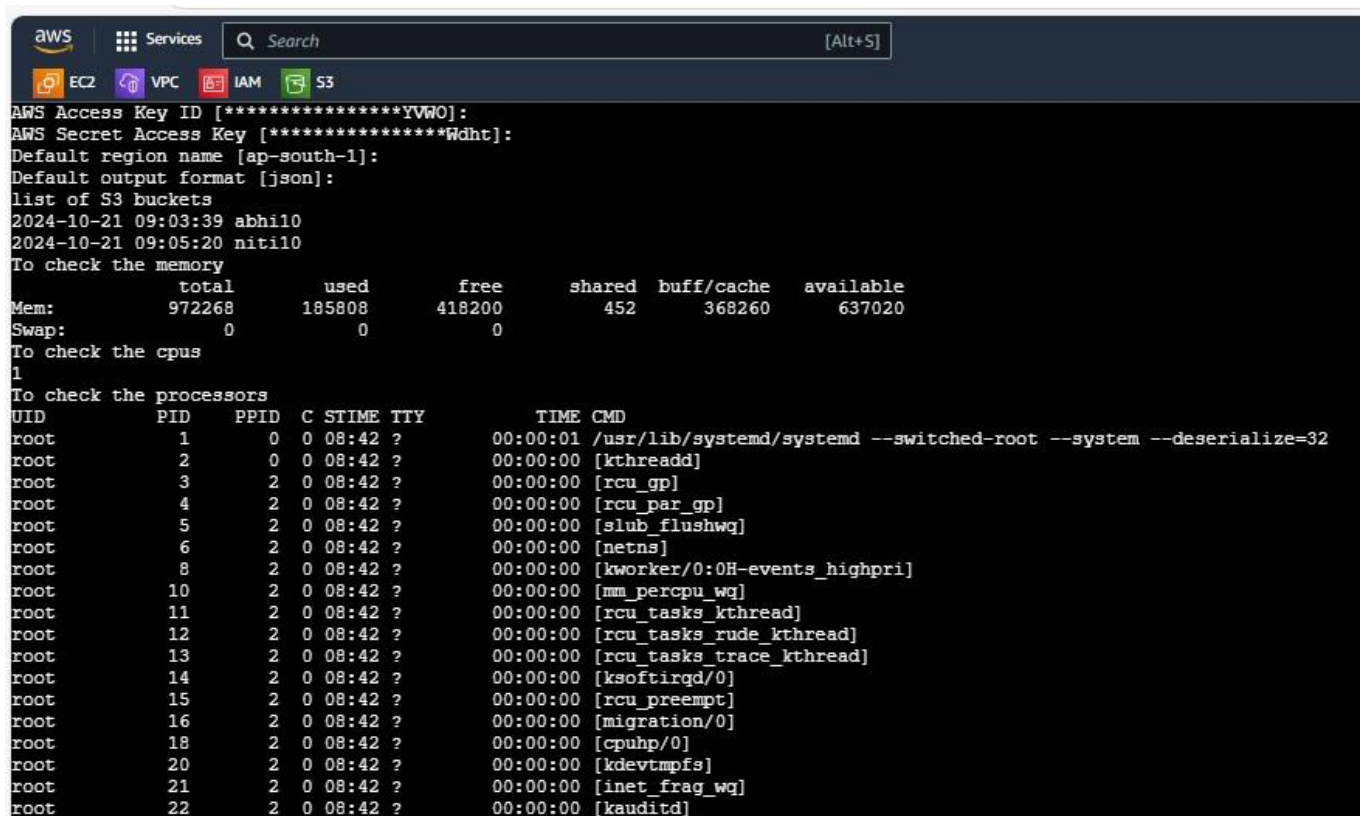


```
aws
Services
Search [Alt+S]
EC2 VPC IAM S3
1 #!/bin/bash
2 aws configure
3 echo list of S3 buckets
4 aws s3 ls
5 echo To check the memory
6 free
7 echo To check the cpus
8 nproc
9 echo To check the processors
10 ps -ef
11
12
```

5. Save and quit from editor

6. Type `sh ./shellscript.sh` to execute the file

7. The file can execute all the steps automatically by shell script as shown in below figure



```
aws
Services
Search [Alt+S]
EC2 VPC IAM S3
AWS Access Key ID [*****YVWO]:
AWS Secret Access Key [*****Wdht]:
Default region name [ap-south-1]:
Default output format [json]:
list of S3 buckets
2024-10-21 09:03:39 abhi10
2024-10-21 09:05:20 niti10
To check the memory
Mem:          total        used        free      shared  buff/cache   available
Swap:          0            0            0
To check the cpus
1
To check the processors
UID          PID    PPID  C STIME TTY          TIME CMD
root         1      0  0  08:42 ?        00:00:01 /usr/lib/systemd/systemd --switched-root --system --deserialize=32
root         2      0  0  08:42 ?        00:00:00 [kthreadd]
root         3      2  0  08:42 ?        00:00:00 [rcu_gp]
root         4      2  0  08:42 ?        00:00:00 [rcu_par_gp]
root         5      2  0  08:42 ?        00:00:00 [slub_flushwq]
root         6      2  0  08:42 ?        00:00:00 [netns]
root         8      2  0  08:42 ?        00:00:00 [kworker/0:0H-events_highpri]
root        10      2  0  08:42 ?        00:00:00 [mm_percpu_wq]
root        11      2  0  08:42 ?        00:00:00 [rcu_tasks_kthread]
root        12      2  0  08:42 ?        00:00:00 [rcu_tasks_rude_kthread]
root        13      2  0  08:42 ?        00:00:00 [rcu_tasks_trace_kthread]
root        14      2  0  08:42 ?        00:00:00 [ksoftirqd/0]
root        15      2  0  08:42 ?        00:00:00 [rcu_preempt]
root        16      2  0  08:42 ?        00:00:00 [migration/0]
root        18      2  0  08:42 ?        00:00:00 [cpuhp/0]
root        20      2  0  08:42 ?        00:00:00 [kdevtmpfs]
root        21      2  0  08:42 ?        00:00:00 [inet_frag_wq]
root        22      2  0  08:42 ?        00:00:00 [kauditd]
```