

ASSIGNMENT 10

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PROCESS MANAGEMENT

ASSIGNMENT 01

Identify and kill the process running on port 8065

```
[RCB@localhost ~]$ cd /opt/mattermost/  
[RCB@localhost mattermost]$ sudo -u mattermost ./bin/mattermost
```

```
[RCB@localhost mattermost]$ sudo -u mattermost ./bin/mattermost  
{ "timestamp": "2023-06-19 05:05:24.398 Z", "level": "info", "msg": "Server is initializing...", "caller": "app/server.go:259", "go_version": "go1.16.7" }  
{ "timestamp": "2023-06-19 05:05:24.465 Z", "level": "info", "msg": "Pinging SQL", "caller": "sqlstore/store.go:218", "database": "master" }  
{ "timestamp": "2023-06-19 05:05:24.510 Z", "level": "warn", "msg": "Table collation mismatch", "caller": "sqlstore/store.go:1150", "table_name": "uploadsessions", "expected": "utf8mb4_general_ci", "found": "latin1_swedish_ci" }  
{ "timestamp": "2023-06-19 05:05:24.513 Z", "level": "info", "msg": "Pinging SQL", "caller": "sqlstore/store.go:218", "database": "master" }  
{ "timestamp": "2023-06-19 05:05:24.560 Z", "level": "error", "msg": "License key from https://mattermost.com required to unlock enterprise features.", "caller": "app/license.go:147", "error": "resource: License id: " }  
{ "timestamp": "2023-06-19 05:05:24.560 Z", "level": "info", "msg": "Starting websocket hubs", "caller": "app/web_hub.go:93", "number_of_hubs": 2 }  
{ "timestamp": "2023-06-19 05:05:24.560 Z", "level": "info", "msg": "Loaded system translations", "caller": "i18n/i18n.go:93", "for_locale": "en", "from_locale": "/opt/mattermost/i18n/en.json" }  
{ "timestamp": "2023-06-19 05:05:24.576 Z", "level": "info", "msg": "Current version is 6.6.1 (6.6.1/Wed Apr 27 17:29:30 UTC 2022/3161c1a186595cc371830c4e651002377d4e77cc/6185d9ea2cb7954b153c280f91cedb11ae92930f)", "caller": "app/server.go:561", "current_version": "6.6.1", "build_number": "6.6.1", "build_date": "Wed Apr 27 17:29:30 UTC 2022", "build_hash": "3161c1a186595cc371830c4e651002377d4e77cc", "build_hash_enterprise": "6185d9ea2cb7954b153c280f91cedb11ae92930f" }
```

Check for status

```
[RCB@localhost mattermost]$ sudo systemctl status mattermost  
● mattermost.service - Mattermost  
   Loaded: loaded (/etc/systemd/system/mattermost.service; enabled; vendor preset: disabled)  
   Active: active (running) since Mon 2023-06-19 03:59:02 UTC; 1h 7min ago  
 Main PID: 703 (mattermost)  
    CGroup: /system.slice/mattermost.service  
            └─ 703 /opt/mattermost/bin/mattermost  
            └─1020 plugins/com.mattermost.nps/server/dist/plugin-linux-amd64  
            └─1025 plugins/com.mattermost.plugin-channel-export/server/dist/plugin-linux-amd64  
            └─1030 plugins/com.mattermost.apps/server/dist/plugin-linux-amd64  
            └─1035 plugins/playbooks/server/dist/plugin-linux-amd64  
            └─1040 plugins/focalboard/server/dist/plugin-linux-amd64
```

```
[RCB@localhost mattermost]$ netstat -tuln | grep 8065  
tcp6      0      0 :::8065          :::*              LISTEN  
[RCB@localhost mattermost]$
```

```

[RCB@localhost ~]$ sudo kill 703
[RCB@localhost ~]$ sudo systemctl status mattermost
● mattermost.service - Mattermost
   Loaded: loaded (/etc/systemd/system/mattermost.service; enabled; vendor preset: disabled)
   Active: inactive (dead) since Mon 2023-06-19 05:08:44 UTC; 7s ago
     Process: 703 ExecStart=/opt/mattermost/bin/mattermost (code=exited, status=0/SUCCESS)
    Main PID: 703 (code=exited, status=0/SUCCESS)

Jun 19 04:59:07 localhost.localdomain mattermost[703]: {"timestamp":"2023-06-19 04:59:07.672 Z","level":"info","msg":"SimpleWorker: Job is...py9dw"}
Jun 19 04:59:19 localhost.localdomain mattermost[703]: {"timestamp":"2023-06-19 04:59:19.258 Z","level":"info","msg":"SimpleWorker: Job is...yji8w"}
Jun 19 05:08:44 localhost.localdomain mattermost[703]: {"timestamp":"2023-06-19 05:08:44.097 Z","level":"info","msg":"Stopping Server...,.o:968"}
Jun 19 05:08:44 localhost.localdomain mattermost[703]: {"timestamp":"2023-06-19 05:08:44.097 Z","level":"info","msg":"stopping websocket h...o:113"}

```

ASSIGNMENT 2 :

IDENTIFY AND KILL THE PROCESS RUNNING ON PORT 80

```
[RCB@localhost ~]$ sudo systemctl start httpd
```

```
[RCB@localhost ~]$ sudo systemctl status httpd
```

```

● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; preset: disabled)
   Active: active (running) since Thu 2023-06-15 14:44:23 IST; 7h ago
     Docs: man:httpd.service(8)
    Main PID: 985 (httpd)
   Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes served/sec: 0 B/sec"
     Tasks: 213 (limit: 10677)
    Memory: 11.3M
       CPU: 38.775s
    CGroup: /system.slice/httpd.service
            └─ 985 /usr/sbin/httpd -DFOREGROUND
            └─1046 /usr/sbin/httpd -DFOREGROUND
            └─1049 /usr/sbin/httpd -DFOREGROUND
            └─1050 /usr/sbin/httpd -DFOREGROUND
            └─1051 /usr/sbin/httpd -DFOREGROUND

Jun 15 14:44:23 localhost.localdomain systemd[1]: Starting The Apache HTTP Server...
Jun 15 14:44:23 localhost.localdomain httpd[985]: AH00558: httpd: Could not reliably determine the server's fully qualified domain name.
Jun 15 14:44:23 localhost.localdomain systemd[1]: Started The Apache HTTP Server.
Jun 15 14:44:23 localhost.localdomain httpd[985]: Server configured, listening on: port 80

```

```

[RCB@localhost ~]$ sudo kill 985
[RCB@localhost ~]$

```

```

[RCB@localhost ~]$ sudo kill 985
[RCB@localhost ~]$ sudo systemctl status httpd

```

```

× httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; preset: disabled)
   Active: failed (Result: signal) since Thu 2023-06-15 22:17:00 IST; 20s ago
 Duration: 7h 32min 36.674s
     Docs: man:httpd.service(8)
  Process: 985 ExecStart=/usr/sbin/httpd $OPTIONS -DFOREGROUND (code=killed, signal=KILL)
    Main PID: 985 (code=killed, signal=KILL)
   Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes served/sec: 0 B/sec"
      CPU: 38.903s

Jun 15 22:17:00 localhost.localdomain systemd[1]: httpd.service: Killing process 1260 (httpd) with signal SIGKILL.
Jun 15 22:17:00 localhost.localdomain systemd[1]: httpd.service: Killing process 1261 (httpd) with signal SIGKILL.
Jun 15 22:17:00 localhost.localdomain systemd[1]: httpd.service: Killing process 1262 (httpd) with signal SIGKILL.
Jun 15 22:17:00 localhost.localdomain systemd[1]: httpd.service: Killing process 1263 (httpd) with signal SIGKILL.
Jun 15 22:17:00 localhost.localdomain systemd[1]: httpd.service: Killing process 1264 (httpd) with signal SIGKILL.
Jun 15 22:17:00 localhost.localdomain systemd[1]: httpd.service: Killing process 1265 (httpd) with signal SIGKILL.
Jun 15 22:17:00 localhost.localdomain systemd[1]: httpd.service: Killing process 1266 (httpd) with signal SIGKILL.
Jun 15 22:17:00 localhost.localdomain systemd[1]: httpd.service: Killing process 1267 (httpd) with signal SIGKILL.
Jun 15 22:17:00 localhost.localdomain systemd[1]: httpd.service: Failed with result 'signal'.
Jun 15 22:17:00 localhost.localdomain systemd[1]: httpd.service: Consumed 38.903s CPU time.

```

ASSIGNMENT 03

RUN JOB USING SLEEP COMMAND

```
[RCB@localhost ~]$ sleep 30
```

```
[RCB@localhost ~]$ jobs
[1]  Stopped                  sudo yum install nginx.x86_64
[2]  Stopped                  sudo yum list available nginx
[3]- Stopped                  sudo yum list available nginx
[4]+ Stopped                  sudo yum list available nginx
```

TO CHECK IF THE JOB IS RUNNING ,YOU CAN USE THE JOBS COMMAND :

```
[RCB@localhost ~]$ bg %1
[1] sudo yum install nginx.x86_64 &
[RCB@localhost ~]$ bg %1
-bash: bg: job has terminated
[1]  Killed                    sudo yum install nginx.x86_64
[RCB@localhost ~]$
```

TO CHECK IF THE COMMAND IS STILL RUNNING

```
[RCB@localhost ~]$ ps aux | grep sleep
RCB      2097  0.0  0.1 12528  976 pts/0    S+   05:20   0:00 grep --color=auto sleep
[RCB@localhost ~]$
```

```
RCB      2097  0.0  0.1 12528  976 pts/0    S+   05:20   0:00 grep --color=auto sleep
[RCB@localhost ~]$ sleep 30
^C
[RCB@localhost ~]$ sleep 30 &
[5] 2099
[RCB@localhost ~]$ jobs
[2]  Stopped                  sudo yum list available nginx
[3]- Stopped                  sudo yum list available nginx
[4]+ Stopped                  sudo yum list available nginx
[5]  Running                   sleep 30 &
[RCB@localhost ~]$ exit
logout
Connection to 192.168.56.101 closed.

C:\Users\kagaw>
```

```
C:\Users\kagaw>ssh RCB@192.168.56.101
RCB@192.168.56.101's password:
Last login: Mon Jun 19 04:44:29 2023 from 192.168.56.1
[RCB@localhost ~]$ jobs
[RCB@localhost ~]$
```