Identify and Remove Zombie Processes on Ubuntu Server

Scenario:
The provided script will introduce a scenario that might generate zombie processes on the system. You will then need to identify and remove these processes to maintain system health.

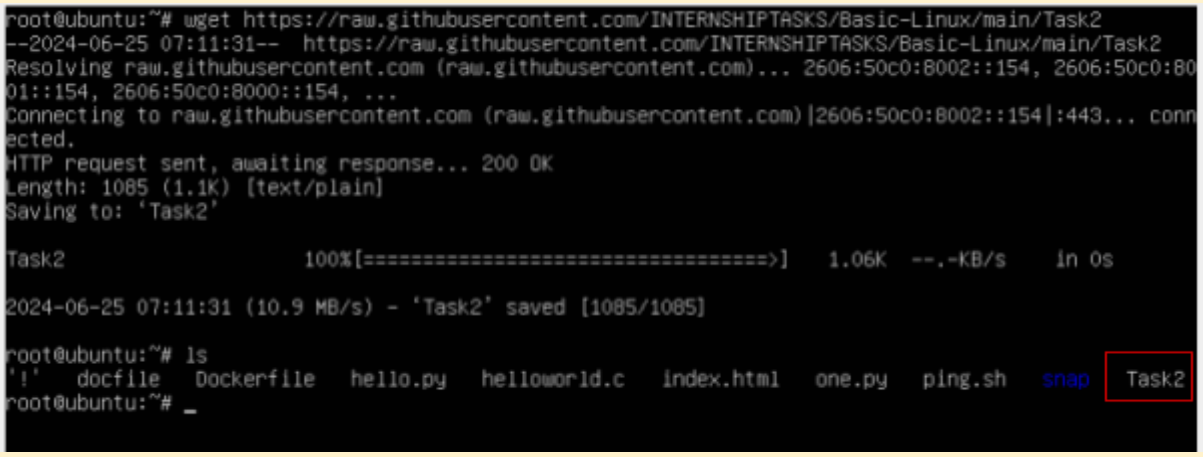
Solution :-

Step 1 :- Start the Ubuntu VM and Login

- Start Ubuntu Vm and Login with root user.

Step 2 :- Download Script and Check

- Download below script for setup of scenario of Zombie Process.
  https://raw.githubusercontent.com/INTERNSHIPTASKS/Basic-Linux/main/Task2
- Command :-
  “wget https://raw.githubusercontent.com/INTERNSHIPTASKS/Basic-Linux/main/Task2”
- Execute **ls** command to check whether a file is downloaded or not.



Step 3 :- Execute[x] permission to Task2

- Check Task2 permission with command **ls -l Task2** .

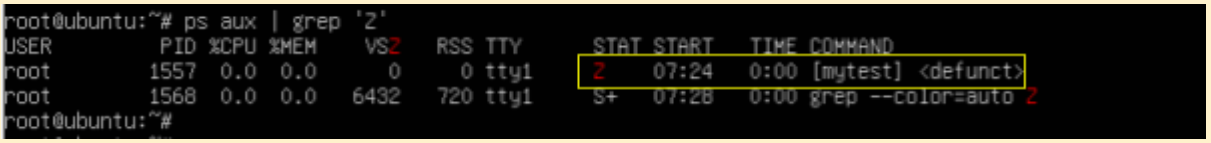
- Give Execute[x] permission if not present.

Step 4 :- Run the script

- Run the script use **./Task2** command.

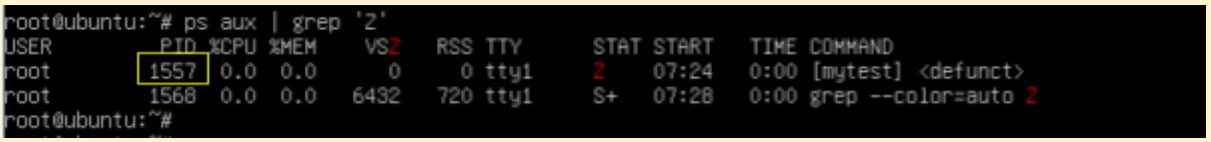
Step 5 :- Check the Zombie Process

- Execute **ps aux | grep ‘Z’** command to check zombie process.
- Filtering for entries with "Z" in the STAT column (zombie state) or "defunct" in the last column.



Step 6 :- Kill the parent process

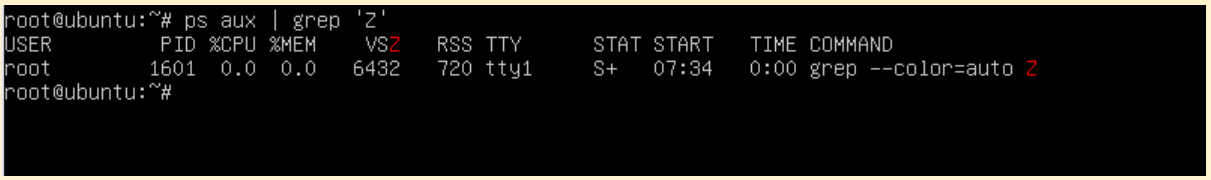
- We cannot directly kill zombie processes as they are already dead.
- So we need to kill their parent process.
- Verify the parent id of that process and kill the process with PID.



- Execute **kill 1557** command to kill the parent process.

Step 7 :- Check whether process get killed or not

- Execute **ps aux | grep ‘Z’** command to recheck whether process get killed or not.



Congratulations you have successfully killed the zombie process!...

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