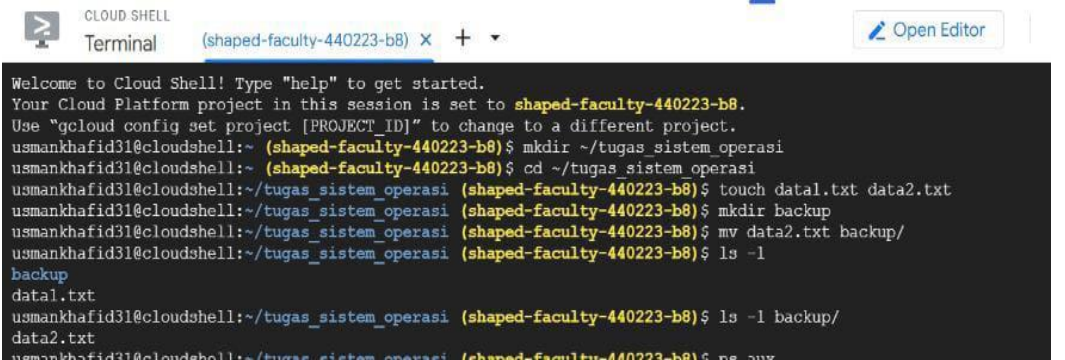
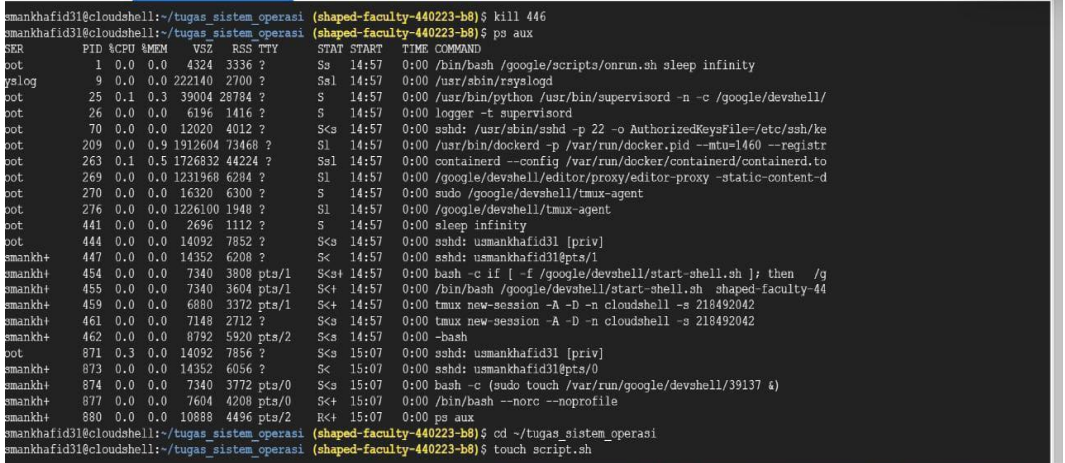


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ALAMAT GITHUB : <https://github.com/31-0/M.Usman-Khafidz.git>

LAPORAN TUGAS PRAKTIKUM		
NO	JENIS PRAKTIKUM	FOTO
1.	Manajemen File	 <pre> Welcome to Cloud Shell! Type "help" to get started. Your Cloud Platform project in this session is set to shaped-faculty-440223-b8. Use "gcloud config set project [PROJECT_ID]" to change to a different project. usmankhafid31@cloudshell:~ (shaped-faculty-440223-b8)\$ mkdir ~/tugas_sistem_operasi usmankhafid31@cloudshell:~ (shaped-faculty-440223-b8)\$ cd ~/tugas_sistem_operasi usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ touch data1.txt data2.txt usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ mkdir backup usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ mv data2.txt backup/ usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ ls -l -rw-r--r-- 1 usmankhafid31 0 128 2023-08-14 14:57 data1.txt -rw-r--r-- 1 usmankhafid31 0 128 2023-08-14 14:57 data2.txt usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ ls -l backup/ -rw-r--r-- 1 usmankhafid31 0 128 2023-08-14 14:57 data2.txt usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ ps aux </pre>
2.	Manajemen Proses	<p>Langkah-langkah mematikan perintah menggunakan perintah “kill”</p> <ol style="list-style-type: none"> 1. Temukan PID (Process ID) dari proses gunakan perintah ps -def 2. Hentikan proses dengan kill su kill 3. Jika proses tidak mati, gunakan sinyal -9 untuk memaksa penghentian: sudo kill -9  <pre> usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ kill 446 usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ ps aux USER PID %CPU %MEM VSZ RSS TTY STAT START TIME COMMAND root 1 0.0 0.0 4324 3336 ? Ss 14:57 0:00 /bin/bash /google/scripts/onrun.sh sleep infinity root 9 0.0 0.0 222140 2700 ? Ssl 14:57 0:00 /usr/sbin/rsyslogd root 25 0.1 0.3 39004 28784 ? S 14:57 0:00 /usr/bin/python /usr/bin/supervisord -n -c /google/devshell/ root 26 0.0 0.0 6196 1416 ? S 14:57 0:00 logger -t supervisord root 70 0.0 0.0 12020 4012 ? S< 14:57 0:00 sshd: /usr/sbin/sshd -p 22 -o AuthorizedKeysFile=/etc/ssh/ke root 209 0.0 0.9 1912604 73468 ? Sl 14:57 0:00 /usr/bin/dockerd -p /var/run/docker.pid --mtu=1460 --registr root 263 0.1 0.5 1726832 44224 ? Ssl 14:57 0:00 containerd --config /var/run/docker/containerd/containerd.to root 269 0.0 0.0 1231968 6284 ? Sl 14:57 0:00 /google/devshell/editor/proxy/editor-proxy -static-content-d root 270 0.0 0.0 16320 6300 ? S 14:57 0:00 sudo /google/devshell/tmux-agent root 276 0.0 0.0 1226100 1948 ? Sl 14:57 0:00 /google/devshell/tmux-agent root 441 0.0 0.0 2696 1112 ? S 14:57 0:00 sleep infinity root 444 0.0 0.0 14092 7852 ? S< 14:57 0:00 sshd: usmankhafid31 [priv] usmankh+ 447 0.0 0.0 14352 6208 ? S< 14:57 0:00 sshd: usmankhafid31@pts/1 usmankh+ 454 0.0 0.0 7340 3808 pts/1 S<+ 14:57 0:00 bash -c if [-f /google/devshell/start-shell.sh]; then /g usmankh+ 455 0.0 0.0 7340 3604 pts/1 S<+ 14:57 0:00 /bin/bash /google/devshell/start-shell.sh shaped-faculty-44 usmankh+ 459 0.0 0.0 6880 3372 pts/1 S<+ 14:57 0:00 tmux new-session -A -D -n cloudshell -s 218492042 usmankh+ 461 0.0 0.0 7148 2712 ? S< 14:57 0:00 tmux new-session -A -D -n cloudshell -s 218492042 usmankh+ 462 0.0 0.0 8792 5920 pts/2 S< 14:57 0:00 -bash root 871 0.3 0.0 14092 7856 ? S< 15:07 0:00 sshd: usmankhafid31 [priv] usmankh+ 873 0.0 0.0 14352 6056 ? S< 15:07 0:00 sshd: usmankhafid31@pts/0 usmankh+ 874 0.0 0.0 7340 3772 pts/0 S< 15:07 0:00 bash -c (sudo touch /var/run/google/devshell/39137 &) usmankh+ 877 0.0 0.0 7604 4208 pts/0 S<+ 15:07 0:00 /bin/bash --nrc --noprofile usmankh+ 880 0.0 0.0 10888 4496 pts/2 R<+ 15:07 0:00 ps aux usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ cd ~/tugas_sistem_operasi usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ touch script.sh </pre>

3.	Pengelola Izin File	<pre> usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ cd ~/tugas_sistem_operasi usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ touch script.sh usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ chmod 700 script.sh </pre>
4.	Shell Scripting	<pre> usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ #!/bin/bash usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ echo "Waktu saat ini: \$(date)" Waktu saat ini: Tue Dec 3 03:17:07 PM UTC 2024 usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ echo "Pengguna yang sedang login: \$(whoami)" Pengguna yang sedang login: usmankhafid31 usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ echo "Penggunaan disk: " Penggunaan disk: usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ df -h Filesystem Size Used Avail Use% Mounted on overlay 95G 60G 35G 63% / tmpfs 64M 0 64M 0% /dev /dev/sda1 95G 60G 35G 63% /root /dev/disk/by-id/google-home-part1 4.8G 20M 4.6G 1% /home /dev/root 2.0G 1.2G 814M 59% /usr/lib/modules shm 64M 0 64M 0% /dev/shm tmpfs 1.6G 876K 1.6G 1% /google/host/var/run gcfsd 1.2M 1.2M 0 100% /google/host/var/run/gcfsd/mnt shm 64M 0 64M 0% /google/host/var/run/containerd/io.containerd.grpc.v1.cri/sandboxes/44d913aab6b59c6c56512c11cd964e8696 0fdf21d440b52cef00dc32492efedb/shm shm 64M 0 64M 0% /google/host/var/run/containerd/io.containerd.grpc.v1.cri/sandboxes/ea5c013036c7f887ef273afd16842d951 5971c0f9e9ca00daefdbf5766a78a2/shm usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ chmod +x info_system.sh </pre>
5.	Manajemen Jaringan	<pre> usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ ping www.google.com PING www.google.com (74.125.68.104) 56(84) bytes of data: 64 bytes from sc-in-f104.1e100.net (74.125.68.104): icmp_seq=1 ttl=114 time=2.29 ms 64 bytes from sc-in-f104.1e100.net (74.125.68.104): icmp_seq=2 ttl=114 time=0.420 ms 64 bytes from sc-in-f104.1e100.net (74.125.68.104): icmp_seq=3 ttl=114 time=0.504 ms 64 bytes from sc-in-f104.1e100.net (74.125.68.104): icmp_seq=4 ttl=114 time=0.470 ms 64 bytes from sc-in-f104.1e100.net (74.125.68.104): icmp_seq=5 ttl=114 time=0.682 ms ^C --- www.google.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 4096ms rtt min/avg/max/mdev = 0.420/0.873/2.293/0.715 ms usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ ping -c 5 www.google.com PING www.google.com (74.125.68.104) 56(84) bytes of data: 64 bytes from sc-in-f104.1e100.net (74.125.68.104): icmp_seq=1 ttl=114 time=1.79 ms 64 bytes from sc-in-f104.1e100.net (74.125.68.104): icmp_seq=2 ttl=114 time=0.408 ms 64 bytes from sc-in-f104.1e100.net (74.125.68.104): icmp_seq=3 ttl=114 time=0.374 ms 64 bytes from sc-in-f104.1e100.net (74.125.68.104): icmp_seq=4 ttl=114 time=0.431 ms 64 bytes from sc-in-f104.1e100.net (74.125.68.104): icmp_seq=5 ttl=114 time=0.483 ms --- www.google.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 4065ms rtt min/avg/max/mdev = 0.374/0.697/1.793/0.548 ms usmankhafid31@cloudshell:~/tugas_sistem_operasi (shaped-faculty-440223-b8)\$ </pre>