

Nama : Ahmad Bima Ahsan F

Kelas : TI-1A

NIM : 2402005

Alamat github : <https://github.com/Bimsbob/SISTEM-OPERASI.git>

Laporan tugas praktikum

NO	Jenis praktikum	Foto
1.	Manajemen file	<pre>muhammadkharis1236@cloudshell:~\$ mkdir tugas_sistem_operasi muhammadkharis1236@cloudshell:~\$ cd tugas_sistem_operasi muhammadkharis1236@cloudshell:~/tugas_sistem_operasi\$ touch data1.txt data2.txt muhammadkharis1236@cloudshell:~/tugas_sistem_operasi\$ mkdir backup muhammadkharis1236@cloudshell:~/tugas_sistem_operasi\$ mv data2.txt backup/ muhammadkharis1236@cloudshell:~/tugas_sistem_operasi\$ ls -r data1.txt backup muhammadkharis1236@cloudshell:~/tugas_sistem_operasi\$ ls backup data2.txt</pre>
2.	Manajemen proses	<pre>muhammadkharis1236@cloudshell:~/tugas_sistem_operasi\$ ps aux USER PID %CPU %MEM VSZ RSS TTY STAT START TIME COMMAND root 1 0.0 0.0 4324 3336 ? Ss 13:54 0:00 /bin/bash /google/scripts/onrun.sh sleep infinity syslog 9 0.0 0.0 222140 3128 ? Sl 13:54 0:00 /usr/sbin/syslogd root 25 0.1 0.3 39004 28796 ? S 13:54 0:00 /usr/bin/python /usr/bin/supervisord -n -c /google/devshell/supervisord.conf --pidfile=/var/run/supervi root 26 0.0 0.0 6196 1488 ? S 13:54 0:00 logger -t supervisord root 71 0.0 0.0 12020 4232 ? Ss 13:54 0:00 sshd: /usr/sbin/sshd -p 22 -o AuthorizedKeysFile=/etc/ssh/keys/authorized_keys [listener] 0 of 10-60 st root 210 0.0 0.9 198636 73768 ? Sl 13:54 0:00 /usr/bin/dockerd -p /var/run/docker.pid --mtu=1460 --registry-mirror=https://asia-mirror.gcr.io root 267 0.1 0.5 1727088 42820 ? Ssl 13:54 0:00 containerd --config /var/run/docker/containerd/containerd.toml root 274 0.0 0.0 1231968 7308 ? Sl 13:54 0:00 /google/devshell/editor/proxy/editor-proxy --static-content-dir=/google/devshell/editor/this/lib --etag- root 275 0.0 0.0 16320 6300 ? S 13:54 0:00 sudo /google/devshell/tmux-agent root 280 0.0 0.0 1226100 2568 ? Sl 13:54 0:00 /google/devshell/tmux-agent root 446 0.0 0.0 2696 1116 ? S 13:54 0:00 sleep infinity root 447 0.0 0.1 14092 8252 ? Ss 13:54 0:00 sshd: muhammadkharis1236 [priv] root 449 0.0 0.1 14092 8252 ? Ss 13:54 0:00 sshd: muhammadkharis1236 [priv] muhamma+ 451 0.0 0.0 14352 6404 ? S 13:54 0:00 sshd: muhammadkharis1236@pts/0 muhamma+ 452 0.0 0.0 7340 3676 pts/0 Ss 13:54 0:00 bash -c (sudo touch /var/run/google/devshell/45843 4) muhamma+ 453 0.0 0.0 14352 6400 ? S 13:54 0:00 sshd: muhammadkharis1236@pts/1 muhamma+ 456 0.0 0.0 7604 4344 pts/0 Ss+ 13:54 0:00 /bin/bash --rcfile --rcprofile muhamma+ 459 0.0 0.0 7340 3716 pts/1 Ss+ 13:54 0:00 bash -c if [-f /google/devshell/start-shell.sh]; then /google/devshell/start-shell.sh '' '' '' muhamma+ 460 0.0 0.0 7340 3752 pts/1 Ss+ 13:54 0:00 /bin/bash /google/devshell/start-shell.sh 128371284 false muhamma+ 461 0.0 0.0 6880 3180 pts/1 Ss+ 13:54 0:00 tmux new-session -A -D -n cloudshell -s 128371284 muhamma+ 463 0.0 0.0 7016 2404 ? Ss 13:54 0:00 tmux new-session -A -D -n cloudshell -s 128371284 muhamma+ 464 0.0 0.0 8796 5876 pts/2 Ss 13:54 0:00 -bash muhamma+ 870 0.0 0.0 10888 4492 pts/2 Rcs+ 14:02 0:00 ps aux</pre>
3.	Pengelolaan Izin file	<pre>muhammadkharis1236@cloudshell:~\$ cd tugas_sistem_operasi muhammadkharis1236@cloudshell:~/tugas_sistem_operasi\$ touch script.sh muhammadkharis1236@cloudshell:~/tugas_sistem_operasi\$ chmod 700 script.sh muhammadkharis1236@cloudshell:~/tugas_sistem_operasi\$ ls -l total 4 drwxrwxr-x 2 muhammadkharis1236 muhammadkharis1236 4096 Dec 2 13:59 backup -rw-rw-r-- 1 muhammadkharis1236 muhammadkharis1236 0 Dec 2 13:57 data1.txt -rwx----- 1 muhammadkharis1236 muhammadkharis1236 0 Dec 2 14:06 script.sh muhammadkharis1236@cloudshell:~/tugas_sistem_operasi\$</pre>
4.	Shell scripting	<pre>muhammadkharis1236@cloudshell:~/tugas_sistem_operasi\$ touch info_system.sh muhammadkharis1236@cloudshell:~/tugas_sistem_operasi\$ vi info_system.sh muhammadkharis1236@cloudshell:~/tugas_sistem_operasi\$ cat info_system.sh #menampilkan waktu saat ini date #menampilkan nama pengguna yang sedang login whoami #menampilkan total disk df -h muhammadkharis1236@cloudshell:~/tugas_sistem_operasi\$ chmod +x info_system.sh muhammadkharis1236@cloudshell:~/tugas_sistem_operasi\$./info_system.sh Mon Dec 2 02:14:03 PM UTC 2024 muhammadkharis1236 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 100K 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 878K 1.6G 1% /google/host/var/run tmpfs 1.2M 1.2M 0 100% /google/host/var/run/gcfed/mnt shm 64M 0 64M 0% /google/host/var/run/containerd/io.containerd.grpc.v1.cri/sandboxes/0a8cb72fd6066d127cf94443cd925c2541254e2022072 dfid6052ccca3e2c3e9/shm shm 64M 0 64M 0% /google/host/var/run/containerd/io.containerd.grpc.v1.cri/sandboxes/b50aebdcae1397c1e9aacfc8d91ddaee6d33112463 776985016beab51789/shm</pre>

5.	Manajemen jaringan	<pre> muhammadkharis1236@cloudshell:~/tugas_sistem_operasi\$ ping -c 5 www.google.com PING www.google.com (74.125.200.103) 56(84) bytes of data. 64 bytes from sa-in-f103.1e100.net (74.125.200.103): icmp_seq=1 ttl=114 time=1.74 ms 64 bytes from sa-in-f103.1e100.net (74.125.200.103): icmp_seq=2 ttl=114 time=0.328 ms 64 bytes from sa-in-f103.1e100.net (74.125.200.103): icmp_seq=3 ttl=114 time=0.989 ms 64 bytes from sa-in-f103.1e100.net (74.125.200.103): icmp_seq=4 ttl=114 time=0.424 ms 64 bytes from sa-in-f103.1e100.net (74.125.200.103): icmp_seq=5 ttl=114 time=0.685 ms --- www.google.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 4061ms rtt min/avg/max/mdev = 0.328/0.833/1.742/0.508 ms </pre>
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