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Alamat Github : https://github.com/oktalidahramadayantipurnomo/Sistem_operasi

LAPORAN TUGAS PRAKTIKUM

No.	Jenis Praktikum	Foto
1.	Manajemen File	<pre>Welcome to Cloud Shell! Type 'help' to get started. To set your Cloud Platform project in this session use "gcloud config set project [PROJECT_ID]" mandaaaaw13@cloudshell:~\$ mkdir tugas_sistem_operasi mandaaaaw13@cloudshell:~/tugas_sistem_operasi\$ touch data1.txt data2.txt mandaaaaw13@cloudshell:~/tugas_sistem_operasi\$ mkdir backup mandaaaaw13@cloudshell:~/tugas_sistem_operasi\$ mv data2.txt backup/ mandaaaaw13@cloudshell:~/tugas_sistem_operasi\$ ls -r data1.txt backup mandaaaaw13@cloudshell:~/tugas_sistem_operasi\$ ls backup data2.txt mandaaaaw13@cloudshell:~/tugas_sistem_operasi\$</pre>
2.	Manajemen Proses	<pre>Welcome to Cloud Shell! Type 'help' to get started. To set your Cloud Platform project in this session use "gcloud config set project [PROJECT_ID]" mandaaaaw13@cloudshell:~\$ cd tugas_sistem_operasi mandaaaaw13@cloudshell:~/tugas_sistem_operasi\$ ps -def UID PID PPID C STATE TT TIME CMD root 1 0 0 11:38 ? 00:00:00 /bin/bash /google/scripts/onrun.sh sleep infinity syslog 8 1 0 11:38 ? 00:00:00 /usr/sbin/rsyslogd root 24 1 0 11:38 ? 00:00:00 /usr/bin/python /usr/bin/supervisord -n -c /google/devshell/supervi root 25 1 0 11:38 ? 00:00:00 logget -t supervisord root 49 1 0 11:38 ? 00:00:00 sshd: /usr/sbin/sshd -p 22 -o AuthorizedKeysFile=/etc/ssh/keys/auth root 206 1 0 11:38 ? 00:00:00 /usr/bin/dockerd -p /var/run/docker.pid --mtu=1460 root 261 206 0 11:38 ? 00:00:01 containerd --config /var/run/docker/containerd/containerd.toml root 269 24 0 11:38 ? 00:00:00 /google/devshell/editor/proxy/editor-proxy -static-content-dir=/goo root 270 24 0 11:38 ? 00:00:00 sudo /google/devshell/tmux-agent root 274 20 0 11:38 ? 00:00:00 /google/devshell/tmux-agent root 436 1 0 11:38 ? 00:00:00 sleep infinity root 437 69 0 11:38 ? 00:00:00 sshd: mandaaaaw13 [priv] mandaaaaw 445 1 0 11:38 ? 00:00:00 tmux new-session -A -D -n cloudshell -s 1336976027 mandaaaaw 804 437 0 11:38 ? 00:00:00 sshd: mandaaaaw13@pts/2 mandaaaaw 805 804 0 11:38 pts/2 00:00:00 bash -c (sudo touch /var/run/google/devshell/38199 &) mandaaaaw 808 805 0 11:38 pts/2 00:00:00 /bin/bash --nrc --noprofile root 838 69 0 11:42 ? 00:00:00 sshd: mandaaaaw13 [priv] mandaaaaw 840 838 0 11:43 ? 00:00:00 sshd: mandaaaaw13@pts/3 mandaaaaw 841 840 0 11:43 pts/3 00:00:00 bash -c if [-f /google/devshell/start-shell.sh]; then /google/d mandaaaaw 842 841 0 11:43 pts/3 00:00:00 /bin/bash /google/devshell/start-shell.sh 1337241137 false mandaaaaw 843 842 0 11:43 pts/3 00:00:00 tmux new-session -A -D -n cloudshell -s 1337241137 mandaaaaw 844 445 0 11:43 pts/4 00:00:00 -bash root 1255 69 0 14:08 ? 00:00:00 sshd: mandaaaaw13 [priv] mandaaaaw 1257 1255 0 14:08 ? 00:00:00 sshd: mandaaaaw13@pts/0 mandaaaaw 1258 1257 0 14:08 pts/0 00:00:00 bash -c if [-f /google/devshell/start-shell.sh]; then /google/d mandaaaaw 1259 1258 0 14:08 pts/0 00:00:00 /bin/bash /google/devshell/start-shell.sh 1338782869 false mandaaaaw 1260 1259 0 14:08 pts/0 00:00:00 tmux new-session -A -D -n cloudshell -s 1338782869 mandaaaaw 1261 445 0 14:08 pts/1 00:00:00 -bash mandaaaaw 1621 1261 0 14:09 pts/1 00:00:00 ps -def mandaaaaw13@cloudshell:~/tugas_sistem_operasi\$ su kill -9 844 su: invalid option -- '9' Try 'su -help' for more information. mandaaaaw13@cloudshell:~/tugas_sistem_operasi\$ sudo kill -9 844 mandaaaaw13@cloudshell:~/tugas_sistem_operasi\$</pre> <p>Langkah-langkah mematikan proses menggunakan perintah kill :</p> <ol style="list-style-type: none">1. Menggunakan perintah ps-def untuk menemukan PID proses yang di inginkan.2. Menjalankan perintah kill di ikuti dengan PID untuk memaksa penghentian proses.3. Jika perlu gunakan perintah kill -9 untuk memaksa penghentian proses.
3.	Pengelolaan Izin File	<pre>mandaaaaw13@cloudshell:~/tugas_sistem_operasi\$ touch script.sh mandaaaaw13@cloudshell:~/tugas_sistem_operasi\$ chmod 700 script.sh mandaaaaw13@cloudshell:~/tugas_sistem_operasi\$ ls -l total 4 drwxrwxr-x 2 mandaaaaw13 mandaaaaw13 4096 Dec 16 13:41 backup -rw-rw-r-- 1 mandaaaaw13 mandaaaaw13 0 Dec 16 13:41 data1.txt -rwx----- 1 mandaaaaw13 mandaaaaw13 0 Dec 16 14:11 script.sh mandaaaaw13@cloudshell:~/tugas_sistem_operasi\$</pre>

4.	Shell Scripting	<pre> mandaaaw13@cloudshell:~/tugas_sistem_operasi\$ touch info_system.sh mandaaaw13@cloudshell:~/tugas_sistem_operasi\$ nano info_system.sh mandaaaw13@cloudshell:~/tugas_sistem_operasi\$ cat info_system.sh #!/bin/bash #menampilkan waktu saat ini echo "waktu saat ini : \$ date " #menampilkan nama pengguna yang sedang login echo "pengguna yang sedang login: \$ (whoami) " #menampilkan total pengguna disk di sistem echo "total pengguna disk di sistem" df -h grep '^/' #menampilkan informasi disk yang digunakan mandaaaw13@cloudshell:~/tugas_sistem_operasi\$ █ </pre>
5.	Manajemen Jaringan	<pre> oktalidah23@cloudshell:~\$ ping www.google.com PING www.google.com (64.233.170.104) 56(84) bytes of data. 64 bytes from sg-in-f104.1e100.net (64.233.170.104): icmp_seq=1 ttl=114 time=3.30 ms 64 bytes from sg-in-f104.1e100.net (64.233.170.104): icmp_seq=2 ttl=114 time=0.560 ms 64 bytes from sg-in-f104.1e100.net (64.233.170.104): icmp_seq=3 ttl=114 time=0.526 ms 64 bytes from sg-in-f104.1e100.net (64.233.170.104): icmp_seq=4 ttl=114 time=0.590 ms 64 bytes from sg-in-f104.1e100.net (64.233.170.104): icmp_seq=5 ttl=114 time=0.505 ms 64 bytes from sg-in-f104.1e100.net (64.233.170.104): icmp_seq=6 ttl=114 time=0.524 ms 64 bytes from sg-in-f104.1e100.net (64.233.170.104): icmp_seq=7 ttl=114 time=0.481 ms 64 bytes from sg-in-f104.1e100.net (64.233.170.104): icmp_seq=8 ttl=114 time=0.524 ms ^C --- www.google.com ping statistics --- 8 packets transmitted, 8 received, 0% packet loss, time 717ms rtt min/avg/max/mdev = 0.481/0.875/3.296/0.915 ms oktalidah23@cloudshell:~\$ ping -c 5 www.google.com PING www.google.com (172.253.118.105) 56(84) bytes of data. 64 bytes from sl-in-f105.1e100.net (172.253.118.105): icmp_seq=1 ttl=114 time=2.32 ms 64 bytes from sl-in-f105.1e100.net (172.253.118.105): icmp_seq=2 ttl=114 time=0.432 ms 64 bytes from sl-in-f105.1e100.net (172.253.118.105): icmp_seq=3 ttl=114 time=0.319 ms 64 bytes from sl-in-f105.1e100.net (172.253.118.105): icmp_seq=4 ttl=114 time=0.374 ms 64 bytes from sl-in-f105.1e100.net (172.253.118.105): icmp_seq=5 ttl=114 time=0.285 ms --- www.google.com ping statistics --- 5 packets transmitted, 5 received, 0% packet loss, time 4085ms rtt min/avg/max/mdev = 0.285/0.745/2.319/0.788 ms oktalidah23@cloudshell:~\$ █ </pre>