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Alamat Github : <https://github.com/athiffakhruudin64/sistem-operasi.git>

LAPORAN TUGAS PRAKTIKUM		
No	Jenis Pratikum	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]" fakhruudinathif0@cloudshell:~\$ mkdir tugas_sistem_operasi fakhruudinathif0@cloudshell:~\$ cd tugas_sistem_operasi fakhruudinathif0@cloudshell:~/tugas_sistem_operasi\$ touch data1.txt data2.txt fakhruudinathif0@cloudshell:~/tugas_sistem_operasi\$ touch script.sh fakhruudinathif0@cloudshell:~/tugas_sistem_operasi\$ mkdir backup fakhruudinathif0@cloudshell:~/tugas_sistem_operasi\$ mv data2.txt backup/ fakhruudinathif0@cloudshell:~/tugas_sistem_operasi\$ ls -r script.sh data1.txt backup fakhruudinathif0@cloudshell:~/tugas_sistem_operasi\$ ls backup data2.txt fakhruudinathif0@cloudshell:~/tugas_sistem_operasi\$</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 <PID> 3. Jika proses tidak mati, gunakan sinyal -9 untuk memaksa penghentian: sudo kill -9 <PID> <pre>mkdir: cannot create directory 'tugas_sistem_operasi': File exists fakhruudinathif0@cloudshell:~\$ cd tugas_sistem_operasi fakhruudinathif0@cloudshell:~/tugas_sistem_operasi\$ ps -def UID PID PPID C STIME TTY TIME CMD root 1 0 0 04:38 ? 00:00:00 /bin/bash /google/scripts/onrun.sh sleep infinity root 8 1 0 04:38 ? 00:00:00 /usr/sbin/rsyslogd root 24 1 0 04:38 ? 00:00:00 /usr/bin/python /usr/bin/supervisord -n -c /google/devshell/supervisord.conf --pidfile=/var/run/supervisor.pid root 25 1 0 04:38 ? 00:00:00 logger -t supervisord root 69 1 0 04:38 ? 00:00:00 sshd: /usr/sbin/sshd -p 22 -o AuthorizedKeysFile=/etc/ssh/keys/authorized_keys [listener] 0 of 10-60 startups root 111 69 0 04:38 ? 00:00:00 sshd: fakhruudinathif0 [priv] root 230 1 0 04:38 ? 00:00:00 /usr/bin/dockerd -p /var/run/docker.pid --mtu=1460 --registry-mirror=https://asia-mirror.gcr.io --mtu=1460 -- root 255 230 0 04:38 ? 00:00:00 containerd --config /var/run/docker/containerd/containerd.toml fakhru+ 264 111 0 04:38 ? 00:00:00 sshd: fakhruudinathif0@pts/0 root 265 24 0 04:38 ? 00:00:00 /google/devshell/editor/proxy/editor-proxy -static-content-dir=/google/devshell/editor/theia/lib -etag-file=/ root 266 24 0 04:38 ? 00:00:00 sudo /google/devshell/tmux-agent root 271 266 0 04:38 ? 00:00:00 /google/devshell/tmux-agent fakhru+ 376 264 0 04:38 pts/0 00:00:00 bash -c (sudo touch /var/run/google/devshell/43109.s) fakhru+ 381 375 0 04:38 pts/0 00:00:00 /bin/bash --nrc --noprofile root 466 1 0 04:38 ? 00:00:00 sleep infinity root 469 69 0 04:38 ? 00:00:00 sshd: fakhruudinathif0 [priv] fakhru+ 471 469 0 04:38 ? 00:00:00 sudo: fakhruudinathif0@pts/0 fakhru+ 472 471 0 04:38 pts/1 00:00:00 bash -c if [-f /google/devshell/start-shell.sh]; then /google/devshell/start-shell.sh '' '' '' '26778 fakhru+ 473 472 0 04:38 pts/1 00:00:00 /bin/bash /google/devshell/start-shell.sh fakhru+ 474 473 0 04:38 pts/1 00:00:00 tmux new-session -A -D -n cloudshell -s 267789057 fakhru+ 476 1 0 04:38 ? 00:00:00 tmux new-session -A -D -n cloudshell -s 267789057 fakhru+ 477 476 0 04:38 pts/2 00:00:00 -bash fakhru+ 825 477 0 04:40 pts/2 00:00:00 ps -def fakhruudinathif0@cloudshell:~/tugas_sistem_operasi\$ sudo kill -9 466</pre>

3	Pengelolaan izin 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]" fakhrudinathif0@cloudshell:~\$ cd tugas_sistem_operasi fakhrudinathif0@cloudshell:~/tugas_sistem_operasi\$ chmod 700 script.sh fakhrudinathif0@cloudshell:~/tugas_sistem_operasi\$ ls -l backup data1.txt script.sh fakhrudinathif0@cloudshell:~/tugas_sistem_operasi\$ </pre>
4	Shell Scripting	<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]" fakhrudinathif0@cloudshell:~\$ cd tugas_sistem_operasi fakhrudinathif0@cloudshell:~/tugas_sistem_operasi\$ nano info_system.sh fakhrudinathif0@cloudshell:~/tugas_sistem_operasi\$ ls backup data1.txt info_syatem.sh info_system info_system.sh script.sh fakhrudinathif0@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 fakhrudinathif0@cloudshell:~/tugas_sistem_operasi\$ chmod +x info_system.sh fakhrudinathif0@cloudshell:~/tugas_sistem_operasi\$./info_system.sh Waktu saat ini: Wed Dec 4 04:11:23 PM UTC 2024 Pengguna yang sedang login: fakhrudinathif0 total pengguna disk di sistem: /dev/sdal 95G 60G 35G 63% /root /dev/disk/by-id/google-home-part1 4.8G 21M 4.6G 1% /home /dev/root 2.0G 1.2G 814M 59% /usr/lib/modules fakhrudinathif0@cloudshell:~/tugas_sistem_operasi\$ </pre>

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lindasetia40@cloudshell:~/tugas_sistem_operasi (rare-hub-435908-v2) $ ping www.google.com
PING www.google.com (142.251.10.99) 56(84) bytes of data.
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=1 ttl=114 time=3.52 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=2 ttl=114 time=0.641 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=3 ttl=114 time=0.587 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=4 ttl=114 time=0.561 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=5 ttl=114 time=0.575 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=6 ttl=114 time=0.599 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=7 ttl=114 time=0.552 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=8 ttl=114 time=0.581 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=9 ttl=114 time=0.537 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=10 ttl=114 time=0.580 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=11 ttl=114 time=0.573 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=12 ttl=114 time=0.585 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=13 ttl=114 time=0.585 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=14 ttl=114 time=0.607 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=15 ttl=114 time=0.544 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=16 ttl=114 time=0.588 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=17 ttl=114 time=0.612 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=18 ttl=114 time=0.575 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=19 ttl=114 time=0.615 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=20 ttl=114 time=0.542 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=21 ttl=114 time=0.572 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=22 ttl=114 time=0.593 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=23 ttl=114 time=0.548 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=24 ttl=114 time=0.552 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=25 ttl=114 time=0.559 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=26 ttl=114 time=0.573 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=27 ttl=114 time=0.590 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=28 ttl=114 time=0.572 ms

64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=165 ttl=114 time=0.525 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=166 ttl=114 time=0.611 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=167 ttl=114 time=0.660 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=168 ttl=114 time=0.578 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=169 ttl=114 time=0.635 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=170 ttl=114 time=0.556 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=171 ttl=114 time=0.569 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=172 ttl=114 time=0.544 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=173 ttl=114 time=0.599 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=174 ttl=114 time=0.681 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=175 ttl=114 time=0.542 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=176 ttl=114 time=0.516 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=177 ttl=114 time=0.646 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=178 ttl=114 time=0.601 ms
^C
--- www.google.com ping statistics ---
178 packets transmitted, 178 received, 0% packet loss, time 181218ms
rtt min/avg/max/mdev = 0.516/0.614/3.519/0.223 ms
lindasetia40@cloudshell:~/tugas_sistem_operasi (rare-hub-435908-v2) $ ping -c 5 www.google.com
PING www.google.com (142.251.10.99) 56(84) bytes of data.
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=1 ttl=114 time=3.05 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=2 ttl=114 time=0.694 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=3 ttl=114 time=0.644 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=4 ttl=114 time=0.600 ms
64 bytes from sd-in-f99.1e100.net (142.251.10.99): icmp_seq=5 ttl=114 time=0.680 ms

--- www.google.com ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4073ms
rtt min/avg/max/mdev = 0.600/1.132/3.045/0.956 ms
lindasetia40@cloudshell:~/tugas_sistem_operasi (rare-hub-435908-v2) $

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