Linux Assignment

Task 1:

root@sigmoid-ThinkPad-L460:/home/sigmoid# systemctl status sendmail

• sendmail.service - LSB: powerful, efficient, and scalable Mail Transport Agent

Loaded: loaded (/etc/init.d/sendmail; generated)

Active: active (exited) since Fri 2024-08-30 16:58:25 IST; 1h 34min ago

Docs: man:systemd-sysv-generator(8)

Tasks: 0 (limit: 9274)

Memory: 0B

CGroup: /system.slice/sendmail.service

Aug 30 16:58:25 sigmoid-ThinkPad-L460 systemd[1]: Starting LSB: powerful, efficient, and scalable Mail Transport Agent...

Aug 30 16:58:25 sigmoid-ThinkPad-L460 systemd[1]: Started LSB: powerful, efficient, and scalable Mail Transport Agent.

root@sigmoid-ThinkPad-L460:/home/sigmoid# nano email1.txt root@sigmoid-ThinkPad-L460:/home/sigmoid# sendmail -t < email1.txt root@sigmoid-ThinkPad-L460:/home/sigmoid# sudo tail -f /var/log/mail.log

Task 2:

root@sigmoid-ThinkPad-L460:/home/sigmoid# adduser pentagonspace Adding user `pentagonspace' ... Adding new group 'pentagonspace' (1004) ... Adding new user 'pentagonspace' (1004) with group 'pentagonspace' ... Creating home directory `/home/pentagonspace' ... Copying files from '/etc/skel' ... New password: Retype new password: passwd: password updated successfully Changing the user information for pentagonspace Enter the new value, or press ENTER for the default Full Name []: pentagon Room Number []: 007 Work Phone []: 2 Home Phone []: 1 Other []: 1 Is the information correct? [Y/n] y root@sigmoid-ThinkPad-L460:/home/sigmoid# su pentagon pentagon@sigmoid-ThinkPad-L460:/home/sigmoid\$ exit exit root@sigmoid-ThinkPad-L460:/home/sigmoid# groups pentagon pentagon: pentagon root@sigmoid-ThinkPad-L460:/home/sigmoid# su pentagon pentagon@sigmoid-ThinkPad-L460:/home/sigmoid\$

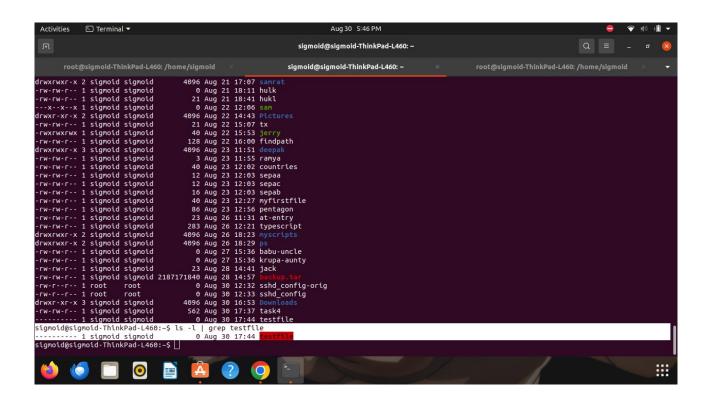
Task 3:

sigmoid@sigmoid-ThinkPad-L460:~\$ alias describe='pwd' sigmoid@sigmoid-ThinkPad-L460:~\$ describe /home/sigmoid sigmoid@sigmoid-ThinkPad-L460:~\$ unalias describe sigmoid@sigmoid-ThinkPad-L460:~\$ describe describe: command not found sigmoid@sigmoid-ThinkPad-L460:~\$

Task 4:

```
#!/bin/bash
# Find the file
file_path=$(sudo find / -type f -name 'research.*' 2>/dev/null)
if [ -z "$file_path" ]; then
echo "No file named 'research' found."
exit 1
fi
# Check the file type
file_type=$(file -b "$file_path")
echo "Found file: $file_path"
echo "File type: $file_type"
# Uncompress based on file type
case "$file_type" in
*gzip*)
echo "Uncompressing gzip file..."
gunzip "$file_path"
*bzip2*)
echo "Uncompressing bzip2 file..."
bunzip2 "$file_path"
;;
*XZ*)
echo "Uncompressing xz file..."
unxz "$file_path"
;;
*)
echo "Unknown compression type: $file_type"
exit 1
;;
esac
echo "File uncompressed successfully."
```

Task 5:



Task:6

root@sigmoid-ThinkPad-L460:/home/sigmoid# mkdir -p /usr/local/bin/showtime root@sigmoid-ThinkPad-L460:/home/sigmoid# nano /usr/local/bin/showtime/showtime.sh root@sigmoid-ThinkPad-L460:/home/sigmoid# nano /etc/systemd/system/showtime.service root@sigmoid-ThinkPad-L460:/home/sigmoid# cat /etc/systemd/system/showtime.service [Unit]

Description=Showtime Service

[Service]

ExecStart=/usr/local/bin/showtime/showtime.sh
ExecStop=/bin/bash -c "pkill -f '/usr/local/bin/showtime/showtime.sh"
Restart=always
StandardOutput=append:/home/sigmoid/showtime1.log
StandardError=append:/home/sigmoid/showtime1.log

[Install]

WantedBy=multi-user.target

root@sigmoid-ThinkPad-L460:/home/sigmoid# systemctl daemon-reload root@sigmoid-ThinkPad-L460:/home/sigmoid# systemctl enable showtime.service root@sigmoid-ThinkPad-L460:/home/sigmoid# systemctl start showtime.service root@sigmoid-ThinkPad-L460:/home/sigmoid# systemctl status showtime.service

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Fry: apt install who hames

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fracer-r-x 20 signetid 120 signetid 4850 kag 10 13:13 /h 13:17

Friday 38 August 12004 foilisid 5 /h 13:17
```