Health script for my servers

I created a health script for both of my servers to monitor the systems health and its security defense. The first step I did in my ubuntu server was switch into the root user by using the **su – root** command. Once I was in root user, I then used the **nano** command followed by the name of my script which is health to open the text editor. Once the text editor was opened I started with the bash command which is **#!/usr/bin/bash** this is required in order for the file to be a script. Next, I used the **echo** command to give my first command a tittle, so for my first part of the script it will print out generic system activity logs. To do so I used the command **ls /var/log.** Next, I used another echo command to print lines that split the results of each command when the script runs making it easier to read. Once that was complete, I then used another echo command to give my next running command a title. The next running command in this script that I used was **ls /usr/bin** this will show all ordinary commands and scripts on the system. After that was completed, I split the results with the echo command and the dashes and also gave my next running command a title that way I know what results I’m looking at. The next running command that I used in my script was **cat /var/log/auth.log** this command will display any authorized logs even failed attempts. Lastly I added a command that will do its own scans on the system and the systems defenses. The command that I used was **lynis audit system.** After the script was completed I then saved and exited the text editor and used the command **chmod +x health** to give my script exitcutable rights then I used **./health** to run the command.Text

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Once the script was running correctly I then sent a copy of my script to my CentOS server. The was I did the was by using the command **scp root@ubuntu /root/health root@192.168.241.132:** Once I hit enter it wll ask me for my root credentials to my CentOS server. Text

Description automatically generatedAfter the script was sent to my CentOS server I then logged into root on my CentOS server by using  **su – root**. Once I was in root I then was able to use **ls**  command and see that my health script was successfully sent. Ithen used **nano health** and changed one thing which was the authorized logs. Instead of using cat /var/log/auth.log I had to use the command **cat /var/log/secure** to show the Authorized logs on my CentOS server, then I was able to save and exit. Next, I ran the script by using  **./health**Text

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