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Health monitor script

11/28/22

Ubuntu Health script

Before creating my script, first I changed into the root user by using **su – root**. Then I made a directory called Monitor by using  **mkdir Monitor**. Once I made my new directory, I used the command **cd Monitor** to change into the directory I made. Once I was in the Monitor directory, I then used **nano health.sh** to create my script. Once the text editor was opened, I started with the bash command which is **#!/usr/bin/bash** this is required 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.** This will list the system activity logs. Next, I used another echo command to create space between each result making it easier to read when the script is running. 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 **cat /var/log/auth.log** this command will display any authorized logs and even failed attempts. Once that was inserted, I used echo commands to create more spaces then I added the command **df -H**  this command allows me to see the usages of my servers Disk drive. The **-H** option in this command allows me as a human to have the disk usage readable format. The next command I added to this script was **free -tm.** This command allows me to use the memory usage and allows me to see how much free space is left on the system which can be helpful in the future that way I can know when im running out of space. The **-tm** option in this command allows me to display an extra line viewing the column total and allows me to see the memory left in megabytes. Lastly I added the command **lynis audit system >> Lynis\_Scan** this command runs a lynis scan and appends the information to a file called Lynis\_Scan. After the script was completed I then saved and exited the text editor and used the command **chmod +x health.sh** to give my script exitcutable rights then I used **./health.sh** to run the script.

**Text

Description automatically generated**

After using the command **./health.sh** you can see below that the script ran and printed out the results **Text

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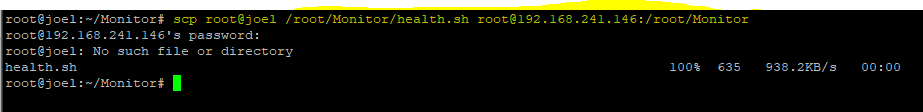
After running my script I used the **ls** command to view my new file the script created called Lynis\_Scan. As you can see in the screenshot below that the Lynis\_Scan file was crated.**Graphical user interface, text

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To view the new Lynis\_Scan file I used the **cat** command to read the new file. So, the command I used was **cat Lynis\_Scan** as you can see below that it opened the new file my script made which contained a lynis health scan report.**Text

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Lastly after the script was successfully ran, I then sent the script over to my CentOS server by using the command **scp root@joel /root/Monitor/health.sh** [**root@192.168.241.146:/root/Monitor**](mailto:root@192.168.241.146:/root/Monitor)This allowed me to send my script to my centos root user under the directory Monitor.

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