

System Monitoring Using Shell Script

Aim:

To write a Shell script to to display system information.

Program:

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#!/bin/bash

# Sample script written for Part 4 of the RHCE series

# This script will return the following set of system
information: # -Hostname information:

echo -e "\e[31;43m***** HOSTNAME INFORMATION *****\e[0m"
hostnamectl
echo ""

# -File system disk space usage:
echo -e "\e[31;43m***** FILE SYSTEM DISK SPACE USAGE
*****\e[0m" df -h
echo ""

# -Free and used memory in the system:
echo -e "\e[31;43m ***** FREE AND USED MEMORY
*****\e[0m" free
echo ""

# -System uptime and load:
echo -e "\e[31;43m***** SYSTEM UPTIME AND LOAD *****\e[0m"
uptime
echo ""

# -Logged-in users:
echo -e "\e[31;43m***** CURRENTLY LOGGED-IN USERS
*****\e[0m" who
echo ""

# -Top 5 processes as far as memory usage is concerned
echo -e "\e[31;43m***** TOP 5 MEMORY-CONSUMING PROCESSES
*****\e[0m" ps -eo %mem,%cpu,comm --sort=-%mem | head -n 6
echo ""
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echo -e "\e[1;32mDone.\e[0m"
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