



RedHat System Administration II

* Required

1. Name *

Enter your answer

2. Track *

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4. **Which of the following commands grants rw permissions for the group sales to all new files that will be created in the /data directory and all files that already exist?**

(1 Point)

- ☒ setfacl -m d:g:sales:rw /data
- ☐ setfacl -m d:g:sales:rwx /data
- ☐ setfacl -R -m d:g:sales:rwx /data
- ☐ setfacl -R -m d:g:sales:rw /data

5. **Which command enables you to see current at jobs scheduled for execution?**

(1 Point)

- ☐ atrm
- ☒ atq
- ☐ atls
- ☐ at

6. **Which command enables you to show all installed packages using the yum command?**(1 Point)

- ☐ yum show all
- ☐ yum show
- ☒ yum list
- ☐ yum list all

?

7. Which command enables you to find the RPM a specific file belongs to?
(1 Point)

- ☐ rpm -ql /bin/file
- ☐ rpm -qv /bin/file
- ☒ rpm -qf /bin/file
- ☐ rpm -qa /bin/file

8. Which log would you read to find messages related to authentication private errors?(1 Point)

- ☐ /var/log/messages
- ☐ /var/log/lastlog
- ☐ /var/log/audit/audit.log
- ☒ /var/log/secure

9. What is the name of the rsyslogd configuration file?
(1 Point)

- ☒ /etc/rsyslog.conf
- ☐ /etc/sysconfig/rsyslogd.conf
- ☐ /etc/sysconfig/rsyslog.conf
- ☐ /etc/rsyslog.d/rsyslogd.conf

10. Which of the following is not a standard component in an LVM setup?

(1 Point)

- ☐ Logical volume
- ☒ File system
- ☐ Volume group
- ☐ Physical volume

11. Which partition type do you need on a GPT partition to mark it with the LVM partition type?

(1 Point)

- ☐ 83
- ☐ 8e
- ☐ 8300
- ☒ 8e00

12. Which command shows an overview of available physical volumes?

(1 Point)

- ☐ pvshow
- ☐ pvdisplay
- ☒ pvs
- ☐ pvlist

13. **cron is used to schedule recurring tasks and at command is used to schedule a one-time task at a specific time**
(1 Point)

☒ true

☐ false

14. **Which command shows all service unit files on your system that are currently loaded?**
(1 Point)

☒ `systemctl list-unit-files --type service`

☐ `systemctl --type=service --all`

☐ `systemctl --list-services`

☐ `systemctl --show-units | grep service`

15. **LVM Stands for**

(1 Point)

☐ Logical Volume Manager

☐ Linux Video Manager

☐ Linux Volume Manager

☐ Light Video Manager

16. **mount -a will load all filesystems listed in:**(1 Point)

- ☐ /etc/mtab
- ☐ /etc/filesystems
- ☒ /etc/fstab
- ☐ /etc/fs.conf

17. **What is swap?**
(1 Point)

- ☒ Swap space is the area on a hard disk which is part of the Virtual Memory of your machine
- ☐ Swap is the cache of your HDD
- ☐ Swap is the cache of your Physical Memory (RAM)
- ☐ Swap is the ability to switch between users in one terminal session

18. **After creating the swap area, which of the following commands will you need to run to start using it?**(1 Point)

- ☐ mkswap
- ☒ swapon
- ☐ mkfs
- ☐ swapoff

19. Which of the following utilities is used to set ACL for files and directories?

(1 Point)

- ☐ enable-acl
- ☐ setacl
- ☒ setfacl
- ☐ getfacl

20. Which command is used to remove job that are currently scheduled?(1 Point)

- ☐ atq
- ☒ atrm
- ☐ at -c
- ☐ at --display

21. How to remove the sticky bit?

(1 Point)

- ☒ chmod -t my_dir
- ☐ chmod +t my_dir
- ☐ chmod g+s my_dir
- ☐ c) chmod +x my_dir

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22. Which job format executes `/usr/local/bin/daily_backup` hourly from 9 a.m. to 6 p.m. on all days from Monday through Friday?(1 Point)

- ☐ 00 * * * Mon-Fri /usr/local/bin/daily_backup
- ☐ * */9 * * Mon-Fri /usr/local/bin/daily_backup
- ☐ 00 9/18 * * * /usr/local/bin/daily_backup
- ☒ 00 09-18 * * Mon-Fri /usr/local/bin/daily_backup

23. To format a device as a Linux second extended filesystem (ext4), you use the command:(1 Point)

- ☐ mktf.ext4
- ☐ mk-extended.ext4
- ☒ mkfs.ext4
- ☐ None of the Above

24. How are the SGID text permission bits indicated?(1 Point)

- ☒ s
- ☐ p
- ☐ t
- ☐ c

25. On red hat server, all the messages will be logged into _____ file
(1 Point)

- ☐ /var/log
- ☐ /var/messages
- ☒ /var/log/messages
- ☐ /var

26. The permission -rw-rwsr-- represented in octal expression will be(1 Point)

- ☐ 0777
- ☒ 2674
- ☐ 4744
- ☐ 4644

27. To change currently active target to multi-user now?(1 Point)

- ☐ systemctl set-target multi-user. Target
- ☐ systemctl active multi-user. Target
- ☒ systemctl isolate multi-user. Target
- ☐ systemctl set-default multi-user. Target

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28. 19. /dev/sda6 and /dev/sda7 are two partitions of 150MB each. What is the correct statement to create physical volumes?
(1 Point)

- ☐ pvcreate pv0 /dev/sda6 /dev/sda7
- ☒ pvcreate /dev/sda6 /dev/sda7
- ☐ pvcreate -c pv0 /dev/sda6 /dev/sda7
- ☐ pvcreate pv /dev/sda6 /dev/sda7

29. In which boot process stage is the root partition mounted?(1 Point)

- ☐ BIOS
- ☒ Kernal
- ☐ ini
- ☐ None of the above

30. Logical drives are contained within what type of partition?(1 Point)

- ☐ Primary
- ☒ Extended
- ☐ Swap
- ☐ Root

31. Which command within fdisk is used to create a partition?(1 Point)

- ☐ c
- ☒ n
- ☐ d
- ☐ p

32. The location of some system configuration and system administrator executable files is?(1 Point)

- ☐ /home
- ☐ /var
- ☒ /proc
- ☐ /sbin

33. The _____ command is used to format a swap partition.(1 Point)

- ☒ mkswap
- ☐ mkfs-swap
- ☐ mkfs.swap
- ☐ swapon

34. **Which directory contains the mail files?** (1 Point)

- ☐ /proc/mail
- ☒ /var/mail
- ☐ b) /var/spool
- ☐ /usr/mail

35. **/proc filesystem** (1 Point)

- ☐ It contains each user program information
- ☒ It contains a virtual filesystem that has information about the running kernel
- ☐ It contains logs of the system messages
- ☐ It contains network connectivity configuration

36. **What is the recommended path to edit grub configuration?** (1 Point)

- ☐ /boot/grub2/grub2.cfg
- ☒ /etc/default/grub
- ☐ /etc/grub.cfg
- ☐ /etc/sysconfig/grub

37. To view which target unit is used by default use:(1 Point)

- ☐ getfacl
- ☐ systemctl get-target
- ☒ systemctl get-default
- ☐ None of the above

38. To enable auto-start a httpd service at boot(1 Point)

- ☐ systemctl start httpd
- ☒ systemctl enable httpd
- ☐ systemctl load httpd
- ☒ systemctl enable --now httpd

39. How to regenerate grub configurations file after it has been edited (1 Point)

- ☐ mkconfig-grub2 -o /boot/grub2/grub.cfg
- ☒ grub2-mkconfig -o /boot/grub2/grub.cfg
- ☐ grub2-mkconfig -o /etc/default/grub
- ☐ None of the above

40. sudo access is controlled by the (1 Point)

- ☒ `/etc/sudoers`
- ☐ `/etc/sudo`
- ☐ `/etc/visudo`
- ☐ `/etc/vsudo`

41. Information about the system partitions (1 Point)

- ☐ `/proc/cpuinfo`
- ☐ `/proc/meminfo`
- ☐ `/proc/version`
- ☒ `/proc/partitions`

42. To display the package name owns a certain file(1 Point)

- ☐ `rpm -qi <filename>`
- ☐ `rpm -qf <filename>`
- ☒ `rpm -ql <filename>`
- ☐ `rpm -q <filename>`

43. **How Extending logical volume lv1 to 140.00 MB**
(1 Point)

- ☐ lvcreate --extend +140 /dev/vg0/lv1
- ☐ **lvextend -L +140M /dev/vg0/lv1**
- ☐ None of the above

44. **The network configuration file of all interfaces is**
(1 Point)

- ☐ /etc/sysconfig/network
- ☐ /etc/sysconf/network-scripts
- ☐ /etc/sys/network
- ☒ **/etc/sysconfig/network-scripts/ifcfg-<interface-name>**

45. **how to configure user ahmed to use only cat and ls with sudo command in /etc/sudoers**
(1 Point)

- ☐ ahmed ALL=(ALL) ALL
- ☐ ahmed ALL(ALL) /bin/ls , /bin/cat
- ☒ **ahmed ALL=(ALL) /bin/ls , /bin/cat**

46. **What is the correct order for the boot phases of a Linux computer?**
(1 Point)

- ☒ BIOS, Boot loader, OS Kernel, system
- ☐ BIOS, kernal, Boot loader, system
- ☐ BIOS, OS Kernel, system, Boot loader
- ☐ OS Kernel, BIOS, system, Boot loader

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