

Proc Filesystem Interview Questions And Answers Guide.



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Proc Filesystem Job Interview Preparation Guide.

Question # 1

Operating system kernel must be located in:

- a) /
- b) /boot
- c) either in / or in /boot
- d) none of the mentioned

Answer:-

- c) either in / or in /boot

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Question # 2

Which one of the following is a mount point for a temporarily mounted filesystem?

- a) /mnt directory
- b) /media directory
- c) /dev directory
- d) none of the mentioned

Answer:-

- a) /mnt directory

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Question # 3

What is /root?

- a) root filesystem
- b) home directory of the root user
- c) the directory which contains all the directories of the filesystem
- d) none of the mentioned

Answer:-

- b) home directory of the root user

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Question # 4

System binaries are stored in:

- a) /sbin directory
- b) /usr/sbin directory
- c) /usr/local/sbin directory
- d) all of the mentioned

Answer:-

- d) all of the mentioned

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Question # 5

The /dev directory contains the:

- a) device drivers
- b) device files
- c) kernel modules of device drivers
- d) none of the mentioned

Answer:-

- b) device files

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Question # 6

The contents of root file-system is responsible to:

- a) boot the system
- b) recover the system
- c) repair the system
- d) all of the mentioned

Answer:-

- d) all of the mentioned

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Question # 7

Static files of the boot-loader are installed in:

- a) /boot directory
- b) /root directory
- c) /bin directory
- d) /sbin directory

Answer:-

- a) /boot directory

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Question # 8

Linux file-system contains mainly:

- a) ordinary files
- b) device files
- c) directory files
- d) all of the mentioned

Answer:-

- d) all of the mentioned

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Question # 9

In linux filesystem, the passwords of different users are stored in:

- a) /etc/passwd file
- b) /bin/passwd file
- c) /etc/shadow file
- d) /bin/shadow file

Answer:-

- c) /etc/shadow file

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Question # 10

Superuser can change the _____ permissions of any file.

- a) owner
- b) group
- c) other
- d) all of the mentioned

Answer:-

- d) all of the mentioned

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Question # 11

Host specific configuration files are installed in:

- a) /etc directory
- b) /lib directory
- c) /root directory
- d) /bin directory

Answer:-

- a) /etc directory

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Question # 12

The directory /media is the:

- a) mount point for removable media
- b) mount point for filesystem
- c) both (a) and (b)
- d) none of the mentioned

Answer:-



a) mount point for removable media

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Question # 13

The /boot directory stores the data that is used:

- a) before the kernel begins executing user mode programs
- b) after the kernel begins executing user mode programs
- c) before the bootloader is loaded in the RAM
- d) none of the mentioned

Answer:-

- a) before the kernel begins executing user mode programs

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Question # 14

Kernel modules are present in:

- a) /lib directory
- b) /root directory
- c) /boot directory
- d) none of the mentioned

Answer:-

- a) /lib directory

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Question # 15

The directory /opt is reserved for:

- a) installation of add-on application software packages
- b) optional booting files
- c) optional user specific files
- d) none of the mentioned

Answer:-

- a) installation of add-on application software packages

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Question # 16

The directory /srv contains:

- a) site-specific data which is served by the system
- b) all the system files
- c) all the service files provided by the specific user
- d) none of the mentioned

Answer:-

- a) site-specific data which is served by the system

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Question # 17

Any file or directory present in the _____ directory may not be reserved between the invocation of the program.

- a) /var
- b) /tmp
- c) /etc
- d) all of the mentioned

Answer:-

- b) /tmp

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Question # 18

Which one of the following is not true about proc filesystem?

- a) proc filesystem is a pseudo-filesystem
- b) proc filesystem is used as an interface to kernel data structures
- c) some files in proc filesystem allow kernel variables to be changed
- d) none of the mentioned

Answer:-

- d) none of the mentioned

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Question # 19

Proc file system provides the information about:

- a) processes
- b) processor



- c) proxy server
- d) none of the mentioned

Answer:-

- a) processes

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Question # 20

The /proc directory contains:

- a) numerical sub-directory for each running process
- b) sub-directories for installed buses
- c) a text listing of filesystems which are supported by the kernel
- d) all of the mentioned

Answer:-

- d) all of the mentioned

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Question # 21

The file /proc/[PID]/cgroups:

- a) describes control groups to which the process belongs
- b) contains the information about all groups of the system
- c) provides the information about the group which has generated the process
- d) none of the mentioned

Answer:-

- a) describes control groups to which the process belongs

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Question # 22

The file /proc/[PID]/cmdline holds the complete command line for the process, unless the process is a:

- a) child process
- b) zombie process
- c) orphan process
- d) none of the mentioned

Answer:-

- b) zombie process

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Question # 23

The entry for each file opened by the process is present in:

- a) /proc/[PID]/fd
- b) /proc/[PID]/file
- c) /proc/[PID]/maps
- d) none of the mentioned

Answer:-

- a) /proc/[PID]/fd

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Question # 24

The file /proc/[PID]/limits displays the _____ for each of the process's resource limits.

- a) hard limit
- b) soft limit
- c) units of measurement
- d) all of the mentioned

Answer:-

- d) all of the mentioned

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Question # 25

The file /proc/[PID]/maps contains the:

- a) currently mapped memory regions
- b) available memory regions
- c) memory regions which are free to map
- d) none of the mentioned

Answer:-

- a) currently mapped memory regions

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Question # 26



What is /proc/[PID]/root?

- a) symbolic link that points to the process's root directory
- b) regular file which holds all the PID of the system
- c) root directory
- d) does not exist in the proc filesystem

Answer:-

- a) symbolic link that points to the process's root directory

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Question # 27

"ps" command uses the file _____ to provide the information.

- a) /proc/[PID]/stat
- b) /proc/[PID]/smaps
- c) /proc/[PID]/oom_score_adj
- d) /proc/[PID]/oom_score

Answer:-

- a) /proc/[PID]/stat

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Question # 28

Which one of the following is not correct?

- a) proc filesystem does not contain any directory for thread in the process
- b) in multithread process thread details will not be available if the main thread is already terminated
- c) both (a) and (b)
- d) none of the mentioned

Answer:-

- a) proc filesystem does not contain any directory for thread in the process

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Question # 29

Proc filesystem does not contain:

- a) sub-directories for installed buses
- b) device files
- c) list of registered DMA
- d) none of the mentioned

Answer:-

- b) device files

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Question # 30

The file /proc/devices is the:

- a) text listing of major numbers
- b) text listing of device groups
- c) both (a) and (b)
- d) none of the mentioned

Answer:-

- c) both (a) and (b)

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Question # 31

The file /proc/cpuinfo is a collection of:

- a) cpu items
- b) architecture independent items
- c) both (a) and (b)
- d) none of the mentioned

Answer:-

- a) cpu items

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Question # 32

The proc file system records the number of interrupts:

- a) per CPU only
- b) per IO device only
- c) per CPU per IO device
- d) none of the mentioned

Answer:-

- c) per CPU per IO device



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Question # 33

Which file of the proc file system can be used instead of "syslog" system call to read kernel messages?

- a) /proc/kmsg
- b) /proc/moudle/kmsg
- c) /proc/module/msg
- d) /proc/msg

Answer:-

- a) /proc/kmsg

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Question # 34

The file /proc/modules is a text list of:

- a) static modules
- b) dynamic modules
- c) modules that have been loaded by the system
- d) none of the mentioned

Answer:-

- c) modules that have been loaded by the system

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Question # 35

/proc/partitions contains:

- a) major number of each partition
- b) minor number of each partition
- c) number of block and partition name
- d) all of the mentioned

Answer:-

- d) all of the mentioned

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Question # 36

Which one of the following operating system does not supports proc filesystem?

- a) IBM AIX
- b) QNX
- c) Solaris
- d) none of the mentioned

Answer:-

- d) none of the mentioned

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Question # 37

Obtaining of the PID can be done by the utility:

- a) pgrep
- b) pidof
- c) ps
- d) all of the mentioned

Answer:-

- d) all of the mentioned

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Question # 38

Which one of the following contains various bits of information about the state of power management?

- a) /proc/acpi
- b) /proc/apm
- c) both (a) and (b)
- d) none of the mentioned

Answer:-

- c) both (a) and (b)

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Question # 39

What is /proc/[PID]/cwd?

- a) symbolic link to current directory of the process
- b) regular file containing the information about the current status of the process
- c) directory containing various sub-directories



d) none of the mentioned

Answer:-

a) symbolic link to current directory of the process

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Question # 40

Which one of the following is a sym-link to the root path as seen by the process?

- a) /proc/[PID]/root
- b) /proc/[PID]/path
- c) both (a) and (b)
- d) none of the mentioned

Answer:-

a) /proc/[PID]/root

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Question # 41

The directory /proc/[PID]/tasks contains:

- a) hard links to any task that have been started by this process
- b) files that containing tasks that have been started by this process
- c) sub-direcories of various tasks
- d) none of the mentioned

Answer:-

a) hard links to any task that have been started by this process

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Question # 42

The list of available frame buffers are stored in:

- a) /proc/[PID]/fb
- b) /proc/fb
- c) /proc/etc/fb
- d) none of the mentioned

Answer:-

b) /proc/fb

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Question # 43

The buddy algorithm handles the:

- a) memory fragmentation
- b) DHCP server
- c) routing
- d) none of the mentioned

Answer:-

a) memory fragmentation

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Question # 44

The file /proc/swaps contains the:

- a) list of active swap partitions
- b) sizes of the swap partitions
- c) priorities of the swap partitions
- d) all of the mentioned

Answer:-

d) all of the mentioned

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Question # 45

/proc/tty contains the information about:

- a) current terminal
- b) all terminals
- c) both (a) and (b)
- d) none of the mentioned

Answer:-

a) current terminal

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Question # 46



The command "cd /proc/10/cwd" provides the:

- a) current working directory of process having PID 10
- b) current status of the process having PID 10
- c) current version of the filesystem
- d) none of the mentioned

Answer:-

- a) current working directory of process having PID 10

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Question # 47

Which one of the following command will print the environment of process 1?

- a) cat /proc/1/environ
- b) cat /proc/bin/1/env
- c) cat /proc/1/var/env
- d) none of the mentioned

Answer:-

- a) cat /proc/1/environ

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Question # 48

The file /proc/[PID]/mountinfo contains:

- a) major minor numbers of device files
- b) root of the mount within the filesystem
- c) mount point relative to the process's root
- d) all of the mentioned

Answer:-

- d) all of the mentioned

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Question # 49

With the help of proc filesystem:

- a) kernel and kernel modules can send the information to processes
- b) process information can be accessed
- c) both (a) and (b)
- d) none of the mentioned

Answer:-

- c) both (a) and (b)

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Question # 50

Most files and directories within /proc are 0 bytes in size because:

- a) proc filesystem exists only as a reflection of the in-memory kernel data structure
- b) these files contains very only one or two instructions
- c) both(a) and (b)
- d) none of the mentioned

Answer:-

- a) proc filesystem exists only as a reflection of the in-memory kernel data structure

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Question # 51

Proc files are:

- a) read-only files
- b) read-write files
- c) both (a) and (b)
- d) none of the mentioned

Answer:-

- c) both (a) and (b)

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Question # 52

Accessing the file /proc/meminfo gives the different result each time because:

- a) memory usages is always fluctuating
- b) a new process id is assigned
- c) logical address is different from the physical address
- d) none of the mentioned

Answer:-

- a) memory usages is always fluctuating



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Question # 53

The files of /proc directory are

- a) stored in secondary memory
- b) generated by the kernel
- c) both (a) and (b)
- d) none of the mentioned

Answer:-

- b) generated by the kernel

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Question # 54

The directory /proc/net contains information about:

- a) different network system compiled into the system
- b) IP address of the system
- c) MAC address of the system
- d) none of the mentioned

Answer:-

- a) different network system compiled into the system

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Question # 55

The command "echo www.globalguideline.com > /proc/sys/kernel/hostname" will:

- a) change the hostname
- b) print "www.globalguideline.com"
- c) do nothing
- d) none of the mentioned

Answer:-

- a) change the hostname

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Question # 56

Which file is used primarily for diagnosing memory fragmentation issues?

- a) /proc/buddyinfo
- b) /proc/meminfo
- c) /proc/apm
- d) none of the mentioned

Answer:-

- a) /proc/buddyinfo

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Question # 57

Which file shows the parameter passed to kernel at the time of starting?

- a) /proc/apm
- b) /proc/cmdline
- c) both (a) and (b)
- d) none of the mentioned

Answer:-

- b) /proc/cmdline

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Question # 58

For the system having one processor, the processor identifying number in the file /proc/cpuinfo is:

- a) 0
- b) 1
- c) 2
- d) 3

Answer:-

- b) 1

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Question # 59

The file /proc/execd domains lists the:

- a) execution domains currently supported by the linux kernel
- b) all domains of all processes
- c) registered ISA DMA channel in use



d) none of the mentioned

Answer:-

a) execution domains currently supported by the linux kernel

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Question # 60

The file /proc/kcore displays a size of:

- a) RAM
- b) RAM plus 4 KB
- c) RAM plus 8 KB
- d) none of the mentioned

Answer:-

b) RAM plus 4 KB

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Question # 61

The /sbin/sysctl command is used to:

- a) view kernel settings in the /proc/sys/ directory
- b) set kernel settings in the /proc/sys/ directory
- c) automate kernel settings in the /proc/sys/ directory
- d) all of the mentioned

Answer:-

d) all of the mentioned

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Question # 62

What is /proc/self?

- a) a directory
- b) link to the currently running process
- c) it allows a process to look itself without having to know its process ID
- d) all of the mentioned

Answer:-

d) all of the mentioned

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Question # 63

The file /proc/version shows the version of _____ used in the system.

- a) kernel
- b) gcc
- c) both (a) and (b)
- d) none of the mentioned

Answer:-

c) both (a) and (b)

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Question # 64

The file /proc/locks displays the file currently locked by the:

- a) kernel
- b) user
- c) superuser
- d) none of the mentioned

Answer:-

a) kernel

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Question # 65

/bin/dmesg picks the messages from:

- a) /proc/kmesg
- b) /sbin/klogd
- c) both (a) and (b)
- d) none of the mentioned

Answer:-

a) /proc/kmesg

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Question # 66



Which file contains the boot options passed to the kernel?

- a) /proc/cmdline
- b) /proc/root
- c) /proc/boot
- d) none of the mentioned

Answer:-

- c) /proc/boot

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Question # 67

Which one of the following file contains the environment for the process?

- a) /proc/[PID]/environ
- b) /proc/[PID]/env
- c) /proc/[PID]/path
- d) none of the mentioned

Answer:-

- a) /proc/[PID]/environ

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Question # 68

What is /bin/sh?

- a) bourne shell
- b) hard or symbolic link to the real shell command
- c) bash shell
- d) both (b) and (c)

Answer:-

- b) hard or symbolic link to the real shell command

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Question # 69

Which one of the directory does not contain binary files?

- a) /bin
- b) /sbin
- c) /etc
- d) none of the mentioned

Answer:-

- c) /etc

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Question # 70

Which one of the following package management command-line tools is the odd one out?

Answer:-

No Answer is Posted For this Question

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