

Linux IPC Interview Questions And Answers Guide.



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Linux IPC Job Interview Preparation Guide.

Question # 1

Which Linux distros do you have experience with?

Answer:-

Linux is the open source product so if u knows linux command line interface so that we can use not only single distros all most i have linux all distros experience.

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Question # 2

How to get typed command history in vi editor?

Answer:-

in command mode typing in
:history
will show the list of commands used in

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Question # 3

What are the IPC techniques?

Answer:-

IPC Techniques are mainly semaphores,message queues,pipes,sockets,and shared memory.
1.semaphore is a synchronizing tool between the proceess in sharing f resource.
it consists either 1 or 0 for allocating or deallocate a resouce respectively.
2.message queue is a queue which is used by a proceess communication.

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Question # 4

Who are the author of LINUX operation system?

Answer:-

Many. many people. Linus is the primary author and gatekeeper of the Linux kernel

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Question # 5

What does "route" command do?

Answer:-

Route command allows you to make manual entries into the network routing tables. The route command distinguishes between routes to hosts and routes to networks by interpreting the network address of the Destination variable, which can be specified either by symbolic name or numeric address. The route command resolves all symbolic names into addresses

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Question # 6

Which tool would you use to update Debian / Slackware / RedHat / Mandrake / SuSE?

Answer:-

Mandrake, Redhat

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Question # 7

Why do we have serial and parallel interface, which one was faster and why and when we should go for this interface?

Answer:-

Parallel interface works efficiently for short transmittance distance, for longer ranges the link cribs because of EMI and other interferences.

Serial on the other hand supports longer ranges as it is a sole carrier of bits

so long range and slow transmission :serial

short range and faster transmission : parallel

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Question # 8

How shared memory are accessed if we have two processors trying to acquire the same region?

Answer:-

Synchronization should be done to protect the data corruption by simultaneous writes from two processes running on two different processors.

Synchronization between two processors is best done with the help of spinlocks.

When a process on one processor had locked the shared memory the other process running on the second processor shall be doing a busy spin until the first process released the lock. This is the funda of Spin locks.

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Question # 9

Why have you choosen such a combination of products?

Answer:-

because it is combination of every thing.

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Question # 10

Which distro you prefer? Why?

Answer:-

i think RHEL 5.x very stable for production enviroment. i found that most of required rpm available in this release that require for to get install Oracle database and instance on RHEL

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Question # 11

How to transfer a file from windows xp to RHEL5(LINUX) with bootable os?

Answer:-

share the folder by configuring samba in Linux server which will be accessible form Xp

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Question # 12

What is symbolic link in unix?

Answer:-

Linux has two kinds of file system links: symbolic links and hard links.

A symbolic link - also called a soft link or symlink - resembles a Windows shortcut. A symlink is a little file that contains the pathname of another object on the filesystem: a file, a directory, a socket, and so on - possibly even the pathname of another link. This pathname can be absolute or relative. To make a symlink, use ln with the -s option. Give the name of the target first, then the name of the link.



ln -s existing-file-name link-name

We can still edit the original file by opening the symbolic link, and changes we make doing that will "stick." But if we delete the symbolic link, it has no impact on the original file at all. If we move or rename the original file, the symbolic link is "broken," it continues to exist but it points at nothing.

A hard link isn't itself a file. Instead, it's a directory entry. It points to another file using the file's inode number. Means both have same inode number. Any changes to the original file will get reflected in the link file also as both are same.

ln existing-file-name link-name

To give a file more than one name or to make the same file appear in multiple directories, you can make links to that file instead of copying it. One advantage of this is that a link takes little or even no disk space. Another is that, if you edit the target of the link, those changes can be seen immediately through the link.

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Question # 13

What are the Advantages and disadvantages of script vs compiled program?

Answer:-

While scripts have the advantages of

- 1) flexibility to change the of script
- 2) and being more portable.

Compiled executables have the advantages of

- 1) less memory footprint
- 2) less execution time.

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