

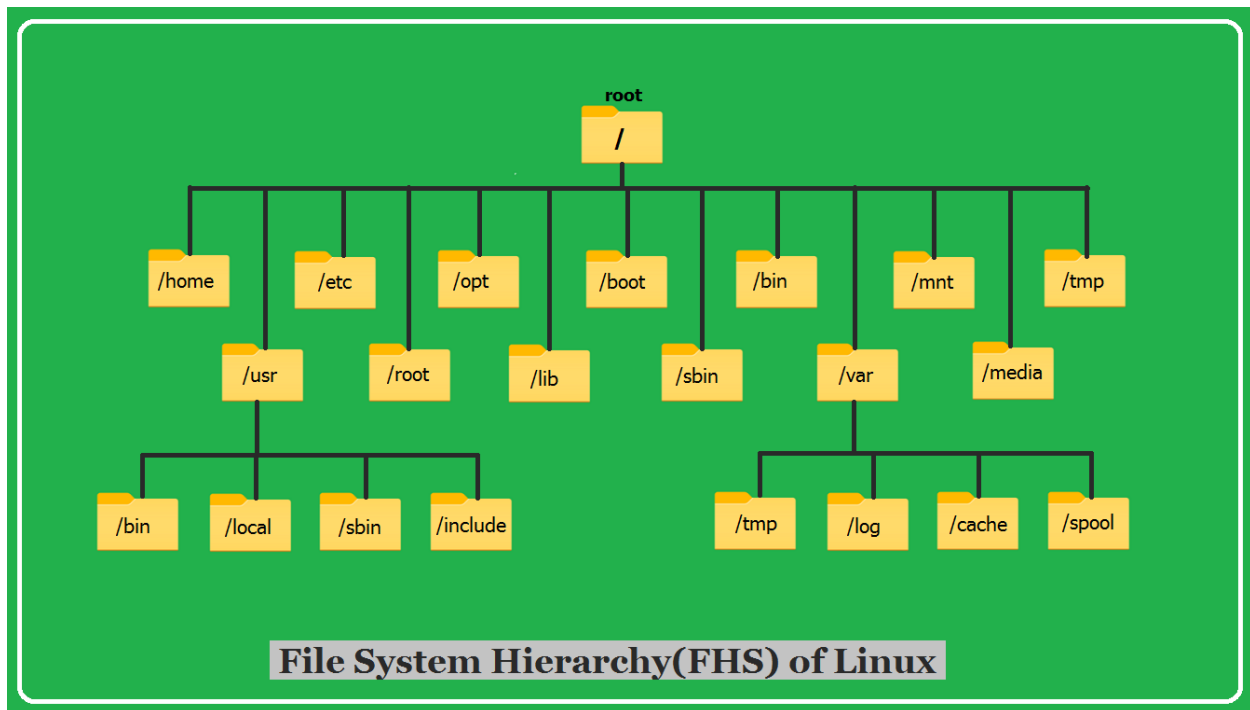
Hello dear friends

When you start using linux one of the things that is very confusing is the way that linux manage and handle the directories and files.

It is very different than windows OS and if you don't understand the way it works you will face a lot of problem to manage your file or find your needed configuration files on servers, it is also need to mention if you want to work with advanced features of linux like LVM you should be familiar with these concepts.

First thing first, it doesn't matter how many hard drives or partitions you have on your machine the linux always use the same FHS(file hierarchy system) and keep the file needed for it's OS in certain directories.

In the following picture you can see the FHS that linux use to manage it's OS.



Some directories name are pretty clear and you can guess what they do but some of them are unfamiliar to users that start using linux. Here we explain about some important directories and if you follow our next posts you will be familiar with other directories one by one in proper time.

ROOT directory: this is the main directory of the OS and all other directories will be created in this directory.

Home directory: every user has a directory inside this one to keep his personal files.

ETC directory: most of the files exist in this directory used for configuring linux daemons (another expression for services) and some configurations about the OS itself.

BOOT directory: linux usually keep the kernel tha is going to load after the system started.

BIN directory: linux keep the programs for command that don't need the super user privillage to run in this folder.

SBIN directory: linux keep the important programs that need the super user privillage to run and used to do serious configurations and changes to operation system.

Note : the super user known as su is like the administrator user on windows and have all the permissions to do what need to be done. It also known as root user but be careful that don't make the common mistake about this concept that root user and root directory is two compeletly different things.

Thanks for downloading and reading this essay I hope this be useful for you all.

Best regards H