Now at present market is we are using VIRTUALIZATION

**>>VIRTUALIZATION** : we can run multiple operating systems in one single physical system.

Def: one physical server it act as a number of logical servers.

**DOCKER :**

>>docker is there in the format of container and image

>>whenever we download image from dockerhub that image will be in readable format it means we can not edit that image , if we run that image it will convert as a container so for container readable format and writable format will be there.

>>containers having the images and applications, what and all applications you installed that applications will be there in containers.

>>docker provides the multiple layers.

>>it is a portable image we can port anywhere or we can download anywhere.

>>inside the container whatever you want you can install like jenkins , git , docker , maven.

>>the main use of docker is we can install n number of images suppose if i pull ubuntu it will occupy the space for bin/lib files how much space it wants that much only docker will specify.

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