* 1. **System requirements**

Points to be known before the installation of Docker Engine on the Linux Platform

* Docker is portable. Docker Engine can be installed on Linux, Windows, and MAC OS as Desktop versions. Docker Engine is of two types: Community Edition & Enterprise Edition. It is better to install the Enterprise edition of Docker Engine on Windows & MAC. On Linux OS, community, or Enterprise edition anything is fine.
* On Ubuntu OS, install any of the following   
  (a) Versions: 18, 20, and 22 (LTS), 21  
  18, 20, and 22 (LTS – Long Term Service) which are used for production purposes. 21 is for testing purposes.   
  (b) Architecture supported x86\_64 (amd64), arm64, armhf, and s390x
* To install the latest version of docker, uninstall the older version of docker. Before installing the latest version of docker uninstall the following packages - docker.io/docker engine and docker package then clean up the folder /var/lib/docker. Remove all the folders in the system which are related to docker. Then install the latest version.
* Docker Engine can be installed in the system using three methods. They are:

1. From Docker Repository   
   Docker Repository is a package manager in Docker Engine that can be installed using the apt install command. First, create a repository for docker, download the jpg key, and then install the docker package. This is called Package Management.
2. Manual Installation using DEB Packages

In Manual installation, download the DEB package and then install docker.

1. Conventional Scripts

In conventional scripts, docker is installed by running a simple Shell Script.

**System Requirements of a VM with Ubuntu OS to install Docker Engine:**

1. RAM of the VM/Machine should be 2+ GiB. It basically depends on the no.of applications that run inside the VM/Machine. For testing purposes, it can be 2GiB or 4GiB.
2. CPU – 1 core CPU is the basic but it also depends on the no.of applications that run inside the Machine/VM. If no.of applications increases then it is necessary for RAM & CPU.
3. Storage/Disks – 20+ GiB is required. 10 GiB will also work fine for testing purposes.