**What is Docker ?**

* Docker is a tool designed to make it easier to create, deploy, and run applications by using containers.
* Docker is a set of Platform as a service which use OS level virtualization to deliver application in packages called container.
* All Container are run by a OS kernel and share the system resources that is the reason containers are lightweight then VM.

Graphical user interface

Description automatically generated with medium confidence

CONTAINERS

Multiple containers can run on the same machine and share the OS kernel with other containers, each running as isolated processes in user space. Containers take up less space than VMs (container images are typically tens of MBs in size), can handle more applications and require fewer VMs and Operating systems

VIRTUAL MACHINES

The hypervisor allows multiple VMs to run on a single machine. Each VM includes a full copy of an operating system, the application, necessary binaries, and libraries - taking up tens of GBs. VMs can also be slow to boot.

**Docker Installation**

**How to pull Selenium Hub and Node Images:**

1. **docker run -d -p 4545:4444 --name selenium-hub selenium/hub**
2. **docker run -d -P --link selenium-hub:hub selenium/node-chrome-debug**
3. **docker run -d -P --link selenium-hub:hub selenium/node-firefox-debug**

**How to setup Hub**

**How to setup Node**

**How to login each container to see real execution**