CONTAINER ORCHESTRATION AND INFRASTRUCTURE AUTOMATION LAB

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BATCH-05

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Installing Docker on Windows and Linux

On Windows-

Step1: Download the Docker Desktop

Docker Desktop

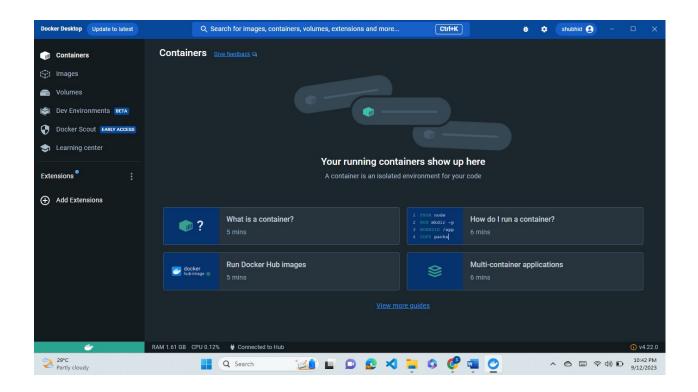
The fastest way to containerize applications on your desktop

Download for Windows

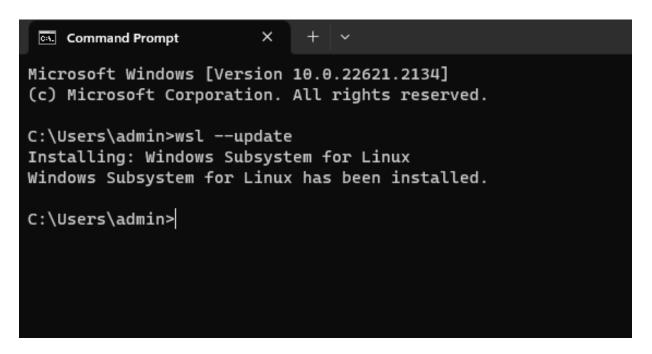
Also available for Mac and Linux

By downloading this, you agree to the terms of the Docker Software End User License Agreement and the Docker Data Processing Agreement (DPA).

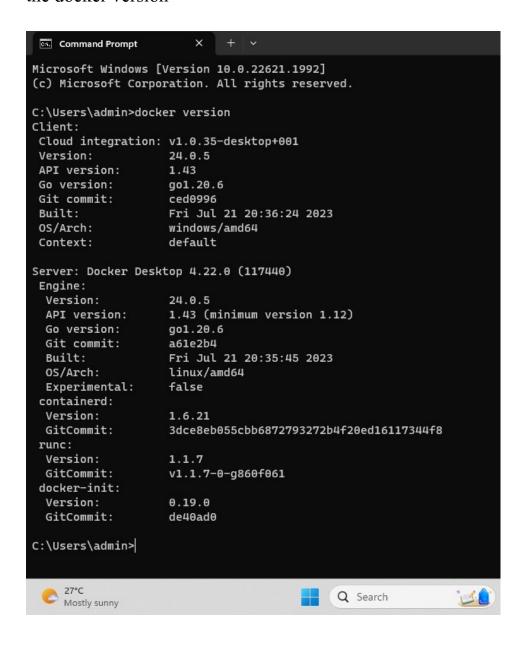
Step 2: Docker Desktop is installed successfully.



Step 3: To upgrade the packages within your WSL distribution, type 'wsl – update' in command prompt

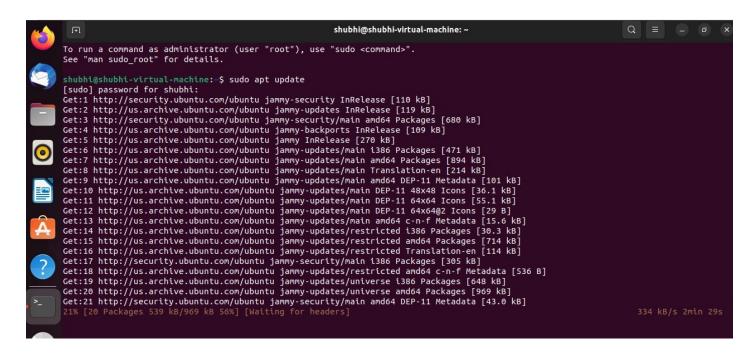


Step 4: Run the following command in the command prompt to check the docker version



On Linux-

Step 1: Open Linux terminal and write the command 'sudo apt update' for updating the existing list of packages.



Step 2: Now write the command 'sudo apt upgrade -y' to upgrade installed packages on your system with the "-y" flag being used to automatically answer "yes" to any prompts that may appear during the upgrade process.

```
Reading state information... Done
27 packages can be upgraded. Run 'apt list --upgradable' to see them.
shubhlgshubhl-virtual-machine:-$ sudo apt upgrade -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done

# You can verify the status of security fixes using the 'pro fix' command.
# E.g., a recent Ruby vulnerability can be checked with: 'pro fix USN-6219-1'
# For more detail see: https://ubuntu.com/security/notices/USN-6219-1

* The following packages have been kept back:
gjs libgjs0g

The following packages will be upgraded:
apt apt-utils ghostscript ghostscript-x gir1.2-javascriptcoregtk-4.0 gir1.2-webkit2-4.0 initramfs-tools initramfs-tools-bin
initramfs-tools-core intel-microcode libapt-pkg6.0 libgs9-common libjavascriptcoregtk-4.0-18 libidap-2.5-0 libldap-common
libsmbclient libitiffs libwbclientol libwebitstgk-4.0-37 linux-firmware samba-libs vim-common vim-tiny xxd
25 upgraded, 0 newly installed, 0 to remove and 2 not upgraded.

| Need to get 256 MB/306 MB of archives.
| After this operation, 2,785 kB of additional disk space will be used.
| Get:1 http://us.archive.ubuntu.com/ubuntu jammy-updates/main amd64 vim-tiny amd64 2:8.2.3995-lubuntu2.11 [708 kB]
| Get:2 http://us.archive.ubuntu.com/ubuntu jammy-updates/main amd64 vim-tiny amd64 2:8.2.3995-lubuntu2.11 [81.5 kB]
| Get:3 http://us.archive.ubuntu.com/ubuntu jammy-updates/main amd64 vim-tinamfs-tools all 0.140ubuntu3.4 [9,042 B]
| Get:5 http://us.archive.ubuntu.com/ubuntu jammy-updates/main amd64 intramfs-tools-ore all 0.140ubuntu3.4 [9,308 B]
| Get:6 http://us.archive.ubuntu.com/ubuntu jammy-updates/main amd64 intramfs-tools-ore all 0.140ubuntu3.4 [9,308 B]
| Get:6 http://us.archive.ubuntu.com/ubuntu jammy-updates/main amd64 intramfs-tools-ore all 0.140ubuntu3.4 [9,308 B]
| Get:7 http://us.archive.ubuntu.com/ubuntu jammy-updates/main amd64 intramfs-tools-ore all 0.140ubuntu3.4 [9,308 B]
| Get:7 http://us.archive.ubuntu.com/ubuntu jammy-updates/main amd64 intramfs-tools-ore al
```

Step 3: Install docker through the terminal using 'sudo apt install -y docker.io' command.

```
update-initramfs: Generating /boot/initrd.img-6.2.0-26-generic shubhi@shubhi-virtual-machine:-$ sudo apt install -y docker.io Reading package lists... Done Building dependency tree... Done Reading state information... Done The following additional packages will be installed: bridge-utils containerd git git-man liberror-perl pigz runc ubuntu-fan Suggested packages:

ifupdown aufs-tools btrfs-progs cgroupfs-mount | cgroup-lite debootstrap docker-doc rinse zfs-fuse | zfsutils git-daemon-run | git-daemon-sysvinit git-doc git-email git-gui gitk gitweb git-cvs git-mediawiki git-svn The following NEW packages will be installed:
bridge-utils containerd docker.io git git-man liberror-perl pigz runc ubuntu-fan 0 upgraded, 9 newly installed, 0 to remove and 2 not upgraded.

Need to get 77.8 MB of archives.
After this operation, 314 MB of additional disk space will be used.
Get:1 http://us.archive.ubuntu.com/ubuntu jammy/universe amd64 pigz amd64 2.6-1 [63.6 kB]
Get:2 http://us.archive.ubuntu.com/ubuntu jammy/universe amd64 pigg-utils amd64 1.7-1ubuntu3 [34.4 kB]
Get:3 http://us.archive.ubuntu.com/ubuntu jammy-updates/main amd64 runc amd64 1.1.7-0ubuntu1-22.04.1 [4,249 kB]

59.9 kB/s 21min 19s
```

Step 4: Write the following command to ensure docker is successfully installed on your system and also to check its version- 'sudo docker info'

