

Install Docker or Podman

Install Rancher Desktop or Podman (as per requirement)

[UPDATE - 2022 - DO NOT INSTALL DOCKER. You need to move to Rancher Desktop from Docker Desktop.](#)

[Docker Desktop - Oracle Confidential](#)

Note - Please proceed to [Importing the Docker Image](#) if Rancher Desktop or podman is already installed on your system.

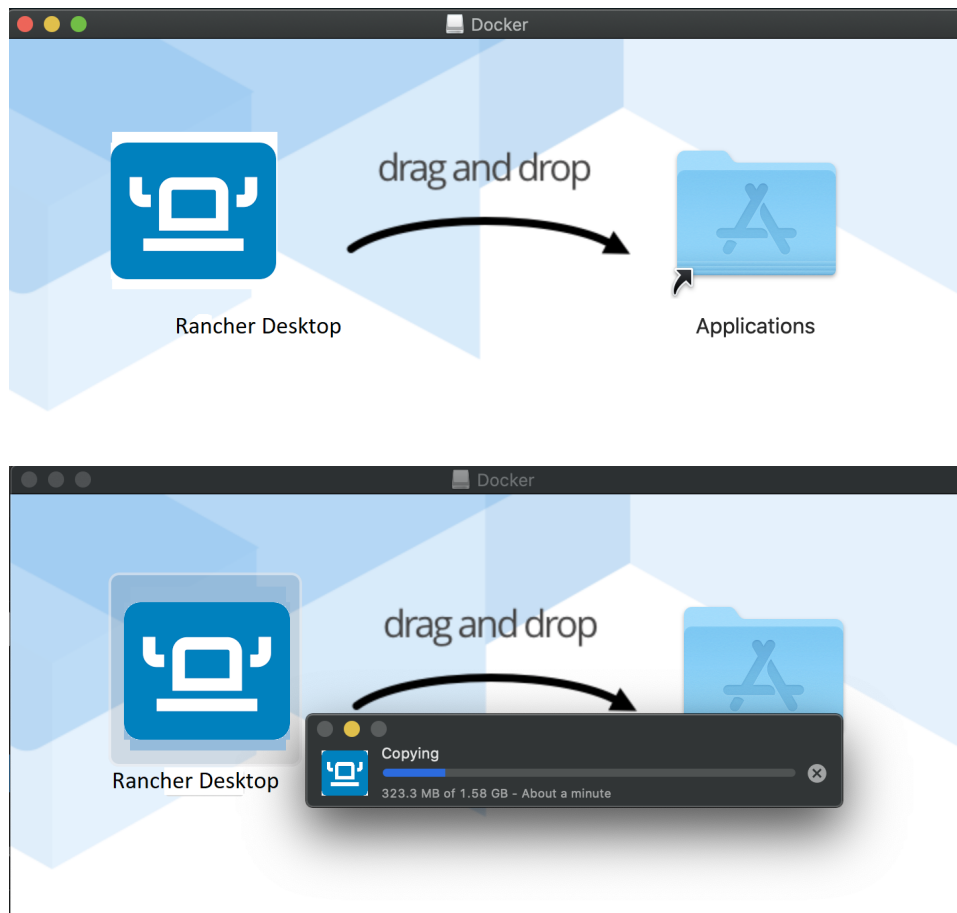
Install Rancher Desktop on your system as per OS -

Requirements

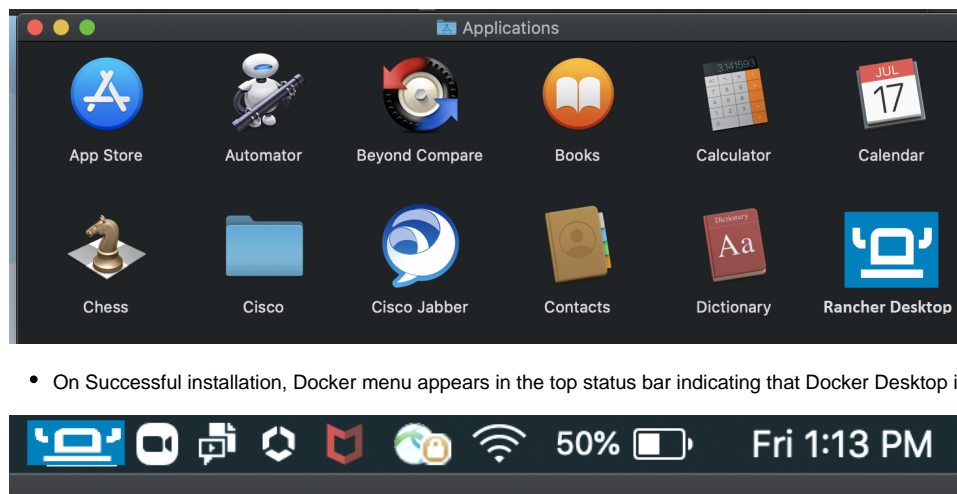
Mac with Intel Chip

Installation

- [Download Rancher Desktop](#) for Mac and open the installer, then drag the Rancher icon to the Applications folder



- Double-click Rancher.Desktop in the Applications folder to start Rancher Desktop. (Example Below - grid mode). Authorise the installation



- On Successful installation, Docker menu appears in the top status bar indicating that Docker Desktop is running, and accessible from a te

Verification

Open the terminal and type any docker command to verify the docker installation. (Example: **docker images**)

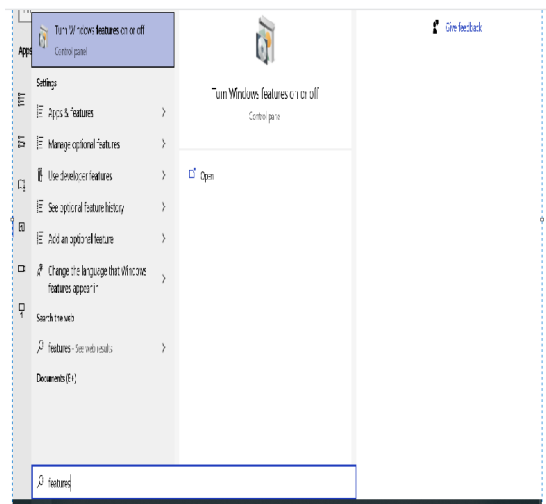
```
shrsupra — zsh — 80x24
Last login: Fri Apr 23 09:16:26 on ttys001
shrsupra@shrsupra-mac ~ % docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
shrsupra@shrsupra-mac ~ %
```

Requirements

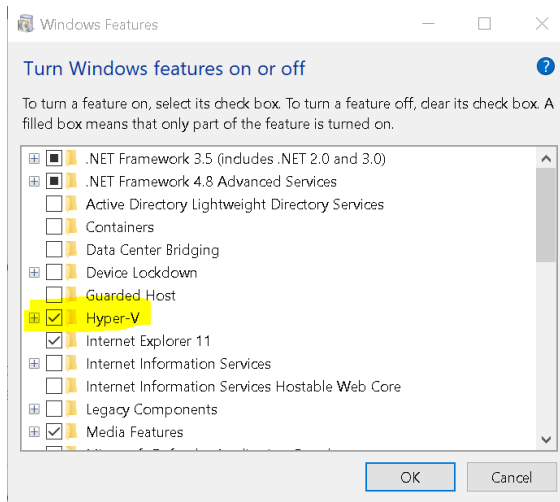
Rancher Desktop for Windows runs on 64-bit Windows 10 Pro, Enterprise, and Education; Build 1909 or later.

Installation

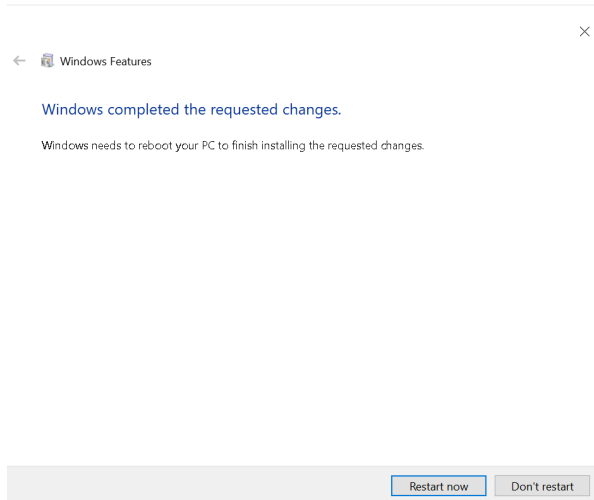
- Enable the Hyper-V feature. To do so Please follow the steps below.
 - a. Go to Windows Search and search for "Features" and click on "Turn Windows Features On or Off".



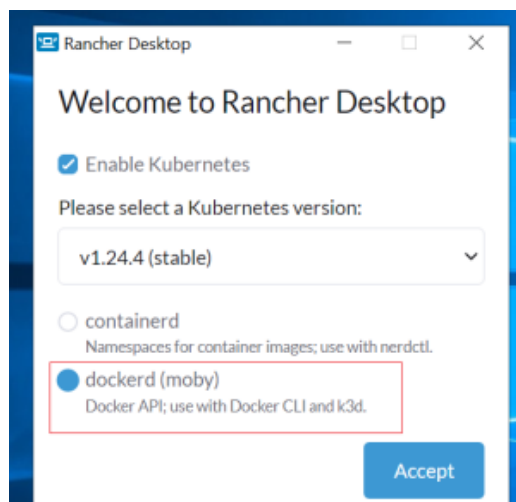
- b. Look for Hyper-V option in "Turn Windows Features On or Off" pop-up, Select it and Click on OK.



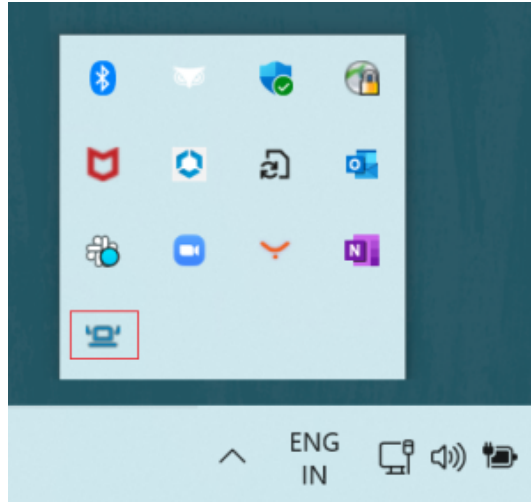
c. Windows will install required-files and ask for restart when finished. Please click on "Restart Now".



- [Download Rancher Desktop](#). Double-click exe to run the installer.
- Follow the Install Wizard: accept the license, authorize the installer, and proceed with the install.
- Click Finish.
- Enable Hyper-V If it is not enabled. It will reboot the host.
- Click OK to reboot.
- Open Rancher Desktop and select docker CLI.



- Open Rancher Desktop to start the daemon after reboot.
- It will show on system tray.



Verification

- The rancher icon in the status bar indicates a running (and accessible via terminal) Docker instance.
- Open PowerShell or command prompt and enter docker images

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

Loading personal and system profiles took 1428ms.
PS C:\Users\Uipeesh Rathod> docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
localhost/cd3toolkit develop_beta        dbd108593c8b       4 days ago         1.28GB
localhost/cd3toolkit develop_46fc7d      a43ef5820e1b       10 days ago        1.28GB
rancher/klipper-helm v0.7.3-build20220613 38b3b9ad736a       3 months ago       239MB
rancher/mirrored-library-busybox 1.34.1             62aedd01bd85       3 months ago       1.24MB
rancher/mirrored-library-traefik 2.6.2             72463d8000a3       5 months ago       102MB
rancher/mirrored-coredns-coredns 1.9.1             99376d8f35e0       6 months ago       49.5MB
rancher/klipper-lb v0.3.5            dbd43b6716a0       7 months ago       8.09MB
rancher/local-path-provisioner v0.0.21           fb9b574e03c3       9 months ago       35MB
rancher/mirrored-metrics-server v0.5.2            f73640fb5061       10 months ago      64.3MB
rancher/mirrored-pause 3.6               6270bb605e12       12 months ago      683kB
k8s.gcr.io/pause 3.6               6270bb605e12       12 months ago      683kB
```

- check the versions of docker, docker-compose, and verify your installation:

```
PS C:\Users\username> docker --version
```

```
PS C:\Users\username> docker-compose --version
```

```
PS C:\Users\Uipeesh Rathod> docker --version
Docker version 20.10.17-rd, build c2e4e01
PS C:\Users\Uipeesh Rathod> docker-compose --version
Docker Compose version v2.6.1
PS C:\Users\Uipeesh Rathod> docker-machine --version
```

- Refer installation instruction for [Rancher Desktop on Linux](#).
- Uninstall Old Docker Versions if installed.

```
#yum remove docker docker-client docker-client-latest docker-common docker-latest docker-latest-engine
```

> By default, Rancher Desktop uses `pass` to securely store credentials passed via `docker login` and `nerdctl login`. `pass` has been used on your machine. Once Rancher Desktop is installed, you should create a GPG key. This will be used by `pass` to

- Create GPG key

```
#gpg --generate-key
```

- Installation via .deb package

```
#curl -s https://download.opensuse.org/repositories/isv:/Rancher:/stable/deb/Release.key |
/usr/share/keyrings/isv-rancher-stable-archive-keyring.gpg
echo 'deb [signed-by=/usr/share/keyrings/isv-rancher-stable-archive-keyring.gpg] https://download.opensuse.org/repositories/isv:/Rancher:/stable/deb/ .' | sudo dd status=none of=/etc/apt/sources.list.d/isv-rancher-stable-archive-keyring.list
sudo apt update
sudo apt install rancher-desktop
```

- Installing via .rpm package.

```
#sudo zypper addrepo https://download.opensuse.org/repositories/isv:/Rancher:/stable/rpm/isv-rancher-stable-archive-keyring.rpm
sudo zypper install rancher-desktop
```

- Installing via Appliance.

```
#dnf install pass gnupg2
```

Install Podman on your system as per OS -

Reference Link: <https://podman.io/getting-started/installation>

Requirements

Mac with Intel Chip

Installation

1. Install Podman

```
brew install podman
```

2. Initialize the Podman VM and mount volume to the VM

```
podman machine init -v <path in the local machine>:<path to be mapped in Podman VM>
```

Example: `podman machine init -v /home/opc/gctenancy:/podman`

3. Start the Podman VM

```
podman machine start
```

Additional Commands -

1. Stop the Podman VM - podman-machine-default

```
podman machine stop podman-machine-default
```

2. Remove Podman VM - podman-machine-default

```
podman machine rm podman-machine-default
```

3. Uninstall podman

```
brew uninstall podman
```

Verification

Open the terminal and type any docker command to verify the docker installation. (Example: ***podman images***)

```
shrsubra@shrsubra-mac ~ % podman images
REPOSITORY TAG          IMAGE ID      CREATED      SIZE
shrsubra@shrsubra-mac ~ %
```

- Install Podman

```
sudo dnf install -y podman
```

- Start the Podman Service.

```
sudo systemctl start podman
```

- Check the Podman status

```
sudo systemctl status podman
```

```
[opc@shrubra-linux ~]$ sudo systemctl start podman
[opc@shrubra-linux ~]$ sudo systemctl status podman
● podman.service - Podman API Service
   Loaded: loaded (/usr/lib/systemd/system/podman.service; disabled; vendor preset: disabled)
   Active: active (running) since Mon 2022-05-09 12:01:09 GMT; 2s ago
     Docs: man:podman-system-service(1)
   Main PID: 1631593 (podman)
      Tasks: 9 (limit: 100051)
    Memory: 25.5M
   CGroup: /system.slice/podman.service
           └─1631593 /usr/bin/podman --log-level=info system service

May 09 12:01:09 shrubra-linux systemd[1]: Starting Podman API Service...
May 09 12:01:09 shrubra-linux systemd[1]: Started Podman API Service.
May 09 12:01:09 shrubra-linux podman[1631593]: time="2022-05-09T12:01:09Z" level=info msg="/usr/bin/podman filtering at log level info"
May 09 12:01:09 shrubra-linux podman[1631593]: time="2022-05-09T12:01:09Z" level=info msg="Not using native diff for overlay, this may cause degraded perfor
May 09 12:01:09 shrubra-linux podman[1631593]: time="2022-05-09T12:01:09Z" level=info msg="Found CNI network podman (type=bridge) at /etc/cni/net.d/87-podma
May 09 12:01:09 shrubra-linux podman[1631593]: time="2022-05-09T12:01:09Z" level=info msg="Setting parallel job count to 13"
May 09 12:01:09 shrubra-linux podman[1631593]: time="2022-05-09T12:01:09Z" level=info msg="using systemd socket activation to determine API endpoint"
May 09 12:01:09 shrubra-linux podman[1631593]: time="2022-05-09T12:01:09Z" level=info msg="using API endpoint: ""
May 09 12:01:09 shrubra-linux podman[1631593]: time="2022-05-09T12:01:09Z" level=info msg="API service listening on \" /run/podman/podman.sock\""
lines 1-19/19 (END)
```