Install Rancher Desktop or Podman

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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.
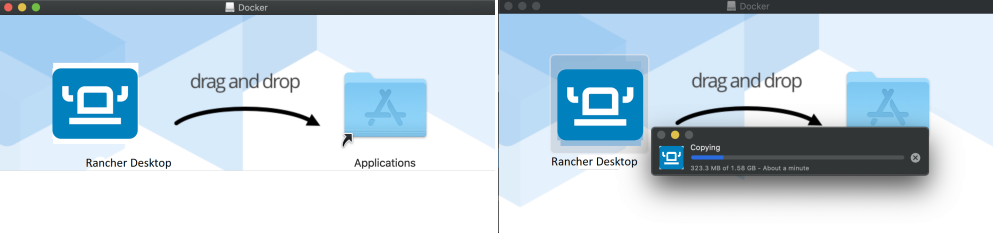
Install Rancher Desktop on your system as per OS -

⌄ MacOS

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 to proceed and select docker CLI at the end.

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

- In the settings, choose only dockerd, uncheck kubernetes configuration and leave the remaining defaults as it is.

Verification

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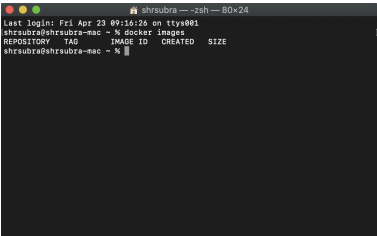
⌄ Windows

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".
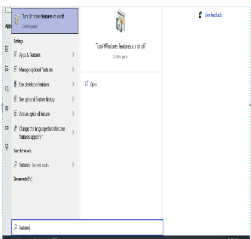
    - b. Look for Hyper-V option in "Turn Windows Featurs On or Off" pop-up, Select it and Click on OK.
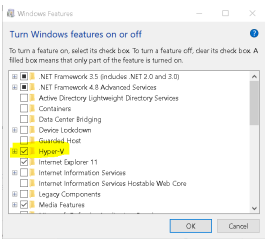
    - c. Windows will install required-files and ask for restart when finished. Please click on "Restart Now".
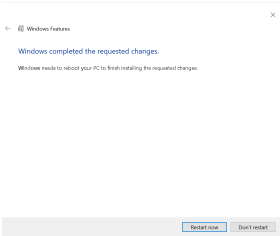
- Download Rancher Desktop. Double-click exe to run the installer.
- Follow the Install Wizard: accept the license, authorize the installer, and proceed with the install.
- Click Finish.
- Enable Hyper-V If it is not enabled. It will reboot the host.
- Click OK to reboot.
- Open Rancher Desktop and select docker CLI.

- Open Rancher Desktop to start the deamon 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

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

> **Linux**

- 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-logrotate  docker-logrotate  docker-engine
```

> By default, Rancher Desktop uses `pass` to securely store credentials passed via `docker login` and `nerdctl login`. `pass` requires a small amount of setup if this is the first time it has been used on your machine. Once Rancher Desktop is installed, you should create a GPG key. This will be used by `pass` to secure secrets. You can create a GPG key with:

- Create GPG key

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

- Installation via .deb package

```
#curl -s https://download.opensuse.org/repositories/isv:/Rancher:/stable/deb/Release.key | gpg --dearmor | sudo dd status=none of=/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.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.repo
sudo zypper install rancher-desktop
```

- Installing via AppImage.

```
#dnf install pass gnupg2
```

Install Podman on your system as per OS -

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

> **MacOS**

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 ~ %
```

> **Oracle Linux 8**

- Install Podman

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

- Start the Podman Service.

```
sudo systemctl start podman
```

- Check the Podman status

```
sudo systemctl status podman
```