Lab Exercise 7- Install Minikube on Linux (Ubuntu /MacOS/Windows)

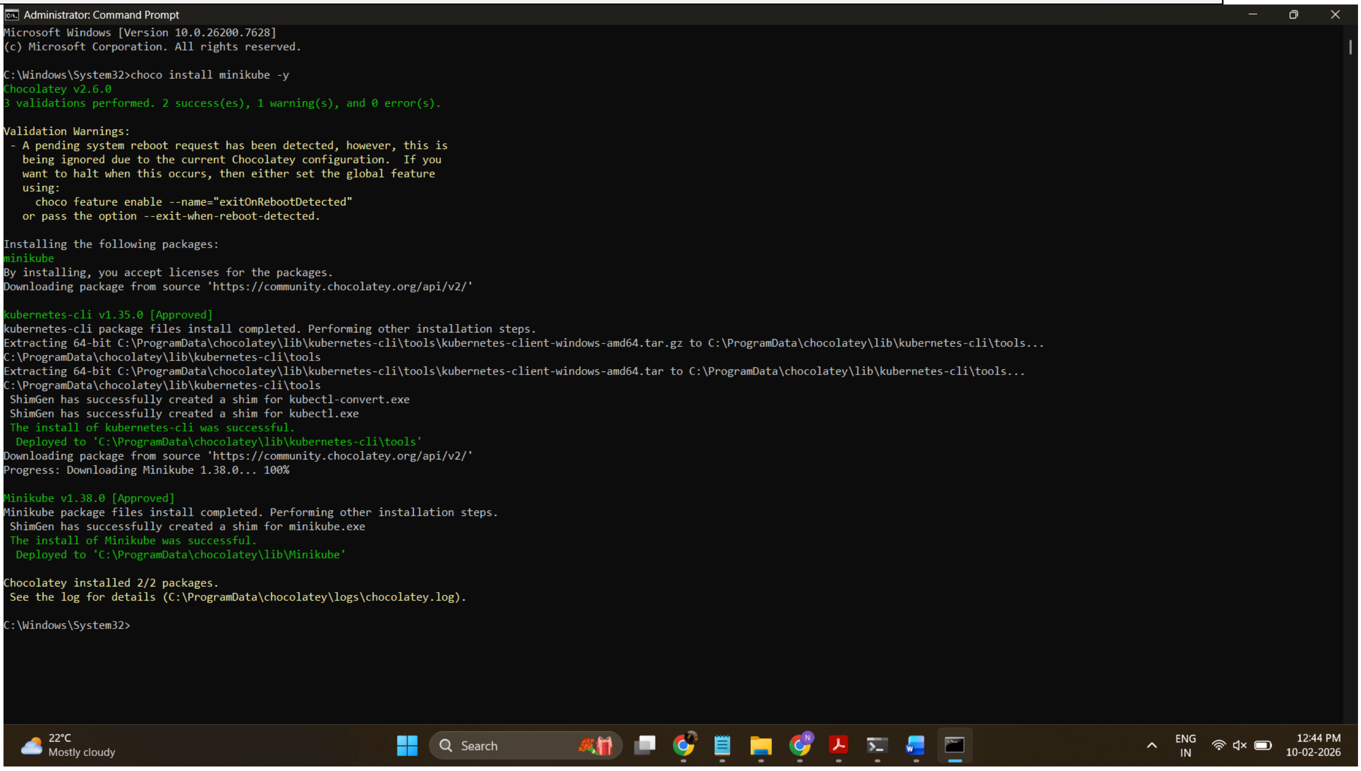
Install Minikube on Windows

Prerequisites

- Docker Desktop installed
- Enable WSL2

Install Minikube

```
choco install minikube -y
```



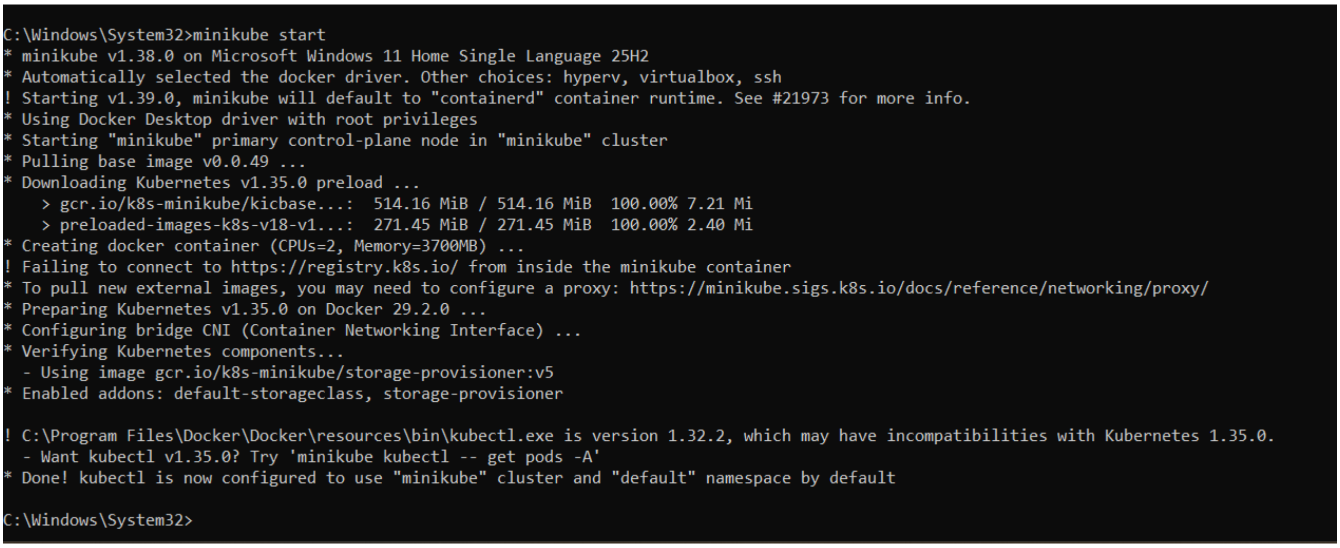
```
Microsoft Windows [Version 10.0.26200.7628]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>choco install minikube -y
Chocolatey v2.6.0
3 validations performed. 2 success(es), 1 warning(s), and 0 error(s).

Validation Warnings:
 - A pending system reboot request has been detected, however, this is
   being ignored due to the current Chocolatey configuration.  If you
   want to halt when this occurs, then either set the global feature
   using:
     choco feature enable --name="exitOnRebootDetected"
   or pass the option --exit-when-reboot-detected.

Installing the following packages:
minikube
By installing, you accept licenses for the packages.
Downloading package from source 'https://community.chocolatey.org/api/v2/'

kubernetes-cli v1.35.0 [Approved]
kubernetes-cli package files install completed. Performing other installation steps.
Extracting 64-bit C:\ProgramData\chocolatey\lib\kubernetes-cli\tools\kubernetes-client-windows-amd64.tar.gz to C:\ProgramData\chocolatey\lib\kubernetes-cli\tools...
C:\ProgramData\chocolatey\lib\kubernetes-cli\tools
Extracting 64-bit C:\ProgramData\chocolatey\lib\kubernetes-cli\tools\kubernetes-client-windows-amd64.tar to C:\ProgramData\chocolatey\lib\kubernetes-cli\tools...
C:\ProgramData\chocolatey\lib\kubernetes-cli\tools
 ShimGen has successfully created a shim for kubectl-convert.exe
 ShimGen has successfully created a shim for kubectl.exe
 The install of kubernetes-cli was successful.
  Deployed to 'C:\ProgramData\chocolatey\lib\kubernetes-cli\tools'
Downloading package from source 'https://community.chocolatey.org/api/v2/'
Progress: Downloading Minikube 1.38.0... 100%

Minikube v1.38.0 [Approved]
Minikube package files install completed. Performing other installation steps.
 ShimGen has successfully created a shim for minikube.exe
 The install of Minikube was successful.
  Deployed to 'C:\ProgramData\chocolatey\lib\Minikube'

Chocolatey installed 2/2 packages.
 See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).

C:\Windows\System32>
```

OR download exe:

```
https://github.com/kubernetes/minikube/releases/latest
```

Start:

```
minikube start
```



```
C:\Windows\System32>minikube start
* minikube v1.38.0 on Microsoft Windows 11 Home Single Language 25H2
* Automatically selected the docker driver. Other choices: hyperv, virtualbox, ssh
! Starting v1.39.0, minikube will default to "containerd" container runtime. See #21973 for more info.
* Using Docker Desktop driver with root privileges
* Starting "minikube" primary control-plane node in "minikube" cluster
* Pulling base image v0.0.49 ...
* Downloading Kubernetes v1.35.0 preload ...
    > gcr.io/k8s-minikube/kicbase...:  514.16 MiB / 514.16 MiB  100.00% 7.21 Mi
    > preloaded-images-k8s-v18-v1...:  271.45 MiB / 271.45 MiB  100.00% 2.40 Mi
* Creating docker container (CPUs=2, Memory=3700MB) ...
! Failing to connect to https://registry.k8s.io/ from inside the minikube container
* To pull new external images, you may need to configure a proxy: https://minikube.sigs.k8s.io/docs/reference/networking/proxy/
* Preparing Kubernetes v1.35.0 on Docker 29.2.0 ...
* Configuring bridge CNI (Container Networking Interface) ...
* Verifying Kubernetes components...
  - Using image gcr.io/k8s-minikube/storage-provisioner:v5
* Enabled addons: default-storageclass, storage-provisioner

! C:\Program Files\Docker\Docker\resources\bin\kubectl.exe is version 1.32.2, which may have incompatibilities with Kubernetes 1.35.0.
  - Want kubectl v1.35.0? Try 'minikube kubectl -- get pods -A'
* Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default

C:\Windows\System32>
```