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Devops B2

Lab Exercise 7- Install Minikube on Linux (Windows)

Install Minikube on Windows

Prerequisites

- Docker Desktop installed
- Enable WSL2

Install Minikube

```
choco install minikube -y
```

```
C:\Users\prati>winget install Kubernetes.minikube
The 'msstore' source requires that you view the following agreements before
using.
Terms of Transaction: https://aka.ms/microsoft-store-terms-of-transaction
The source requires the current machine's 2-letter geographic region to be s
ent to the backend service to function properly (ex. "US").

Do you agree to all the source agreements terms?
[Y] Yes [N] No: yes
Found Kubernetes - Minikube - A Local Kubernetes Development Environment [Ku
bernetes.minikube] Version 1.38.0
This application is licensed to you by its owner.
Microsoft is not responsible for, nor does it grant any licenses to, third-p
arty packages.
Downloading https://github.com/kubernetes/minikube/releases/download/v1.38.0
/minikube-installer.exe
[██████████] 48.5 MB / 48.5 MB
Successfully verified installer hash
Starting package install...
Successfully installed
```

OR download exe:

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

Start:

```
minikube start
```

```
C:\Users\prati>minikube start
* minikube v1.38.0 on Microsoft Windows 11 Home Single Language 25H2
* minikube 1.38.1 is available! Download it: https://github.com/kubernetes/minikube/releases/tag/v1.38.1
* To disable this notice, run: 'minikube config set WantUpdateNotification false'

* Automatically selected the virtualbox driver
! Starting v1.39.0, minikube will default to "containerd" container runtime.
See #21973 for more info.
* Downloading VM boot image ...
  > minikube-v1.38.0-amd64.iso....: 65 B / 65 B [-----] 100.00% ? p/s
0s
  > minikube-v1.38.0-amd64.iso: 30.78 KiB / 370.55 MiB [>____] 0.01% ? p/
  > minikube-v1.38.0-amd64.iso: 46.78 KiB / 370.55 MiB [>____] 0.01% ? p/
  > minikube-v1.38.0-amd64.iso: 78.77 KiB / 370.55 MiB [>____] 0.02% ? p/
  > minikube-v1.38.0-amd64.iso: 142.77 KiB / 370.55 MiB 0.04% 186.28 KiB
  > minikube-v1.38.0-amd64.iso: 206.77 KiB / 370.55 MiB 0.05% 186.28 KiB
  > minikube-v1.38.0-amd64.iso: 366.77 KiB / 370.55 MiB 0.10% 186.28 KiB
  > minikube-v1.38.0-amd64.iso: 462.77 KiB / 370.55 MiB 0.12% 208.17 KiB
  > minikube-v1.38.0-amd64.iso: 558.77 KiB / 370.55 MiB 0.15% 208.17 KiB
  > minikube-v1.38.0-amd64.iso: 814.77 KiB / 370.55 MiB 0.21% 208.17 KiB
```

Useful Minikube Commands (Lab Ready)

Command	Purpose
minikube dashboard	Open K8s UI
minikube stop	Stop cluster
minikube delete	Delete cluster
minikube ssh	Access node
kubectl get pods -A	View all pods