edX

LinuxFoundationX LFS158x
Introduction to Kubernetes

Help   samtlor ⌄

Course   Progress   Dates   Discussion   Notes

🏠 Course / Chapter 6. Minikube - Installing Local Ku... / Minikube - Installing Local Kuber...   🕐

Previous   📗✓ 📗✓ 📗✓ 🎥✓ 📗✓ 📗✓ 📗✓ 📗✓ 🎥✓   Next ＞

Installing Minikube on Windows

🔖 Bookmark this page

Hide Notes

Let's learn how to install the latest Minikube release on Windows 10 with VirtualBox v6.1 specifically.

NOTE: *For other OS, VirtualBox, and Minikube versions, the installation steps may vary! Check the* <u>*Minikube installation*</u>*!*

Verify the virtualization support on your Windows system (multiple output lines ending with 'Yes' indicate supported virtualization):

`PS C:\WINDOWS\system32> systeminfo`

Install the <u>VirtualBox</u> hypervisor for 'Windows hosts'. Download and install the `.exe` package.

NOTE: *You* **may** *need to* <u>disable</u> *Hyper-V on your Windows host (if previously installed and used) while running VirtualBox.*

Install Minikube. We can download the latest release or a specific release from the <u>Minikube release page</u>. Once downloaded, we need to make sure it is added to our `PATH`. There are multiple packages available to download for Windows, found under a Minikube release. However, downloading and installing the `.exe` will automatically add the executable to the `PATH`. Let's download and install the **latest** <u>`minikube-installer.exe`</u> package.

Start Minikube. We can start Minikube using the `minikube start` command, that bootstraps a single-node cluster with the latest stable Kubernetes version release. For a specific Kubernetes version the `--kubernetes-version` option can be used as such `minikube start --kubernetes-version v1.22.0` (where `latest` is default and acceptable version value, and `stable` is also acceptable). More advanced start options will be explored later in this chapter. Open the PowerShell using the *Run as Administrator* option and execute the following command:

`PS C:\WINDOWS\system32> minikube start`

```
😄   minikube v1.25.2 on Windows 10
✨   Automatically selected the virtualbox driver
💿   Downloading VM boot image ...
👍   Starting control plane node minikube in cluster minikube
💾   Downloading Kubernetes v1.23.3 preload ...
🔥   Creating virtualbox VM (CPUs=2, Memory=6000MB, Disk=20000MB) ...
🐳   Preparing Kubernetes v1.23.3 on Docker 20.10.12 ...
🔎   Verifying Kubernetes components...
🌟   Enabled addons: default-storageclass, storage-provisioner
💡   kubectl not found. If you need it, try: 'minikube kubectl -- get pods -A'
🏃   Done! kubectl is now configured to use "minikube" cluster and "default"
namespace by default
```

NOTE: *An error message that reads "Unable to pick a default driver..." means that Minikube was not able to locate any one of the supported hypervisors or runtimes. The recommendation is to install or re-install a desired isolation tool, and ensuring its executable is found in the default* `PATH` *of your OS.*

Check the status. With the `minikube status` command, we display the status of the Minikube cluster. Open the PowerShell using the *Run as Administrator* option and execute the following command:

✏ Hide Notes

```
PS C:\WINDOWS\system32> minikube status

minikube
type: Control Plane
host: Running
kubelet: Running
apiserver: Running
kubeconfig: Configured
```

Stop Minikube. We can stop Minikube using the `minikube stop` command. Open the PowerShell using the *Run as Administrator* option and execute the following command:

```
PS C:\WINDOWS\system32> minikube stop
```

✋   Stopping node "minikube" ...

‹ Previous	Next ›

edX

edX

About

Affiliates

edX for Business

Open edX

Careers

News

Legal

Terms of Service & Honor Code

Privacy Policy

Accessibility Policy

Trademark Policy

Sitemap

Connect

Blog

Contact Us

Help Center

Media Kit

✏️ Hide Notes

Hide Notes