**Setting Up Minishift to Use VirtualBox**

VirtualBox must be manually installed in order to use the embedded VirtualBox drivers. VirtualBox version 5.1.12 or later is required. Ensure that you [download and install VirtualBox](https://www.virtualbox.org/wiki/Downloads) before using the embedded drivers.

VirtualBox must be identified to Minishift through either the --vm-driver virtualbox flag or persistant configuration options.

**Use VirtualBox Temporarily**

The --vm-driver virtualbox flag will need to be given on the command line each time the minishift start command is run. For example:

**$ minishift start --vm-driver virtualbox**

**The server is accessible via web console at:** [**https://192.168.99.110:8443/console**](https://192.168.99.110:8443/console) **You are logged in as:**

**User: developer**

**Password: <any value> To login as administrator:**

**oc login -u system:admin**

**Note: After Login to Minishift Console copy the login command for terminal,**

**oc login** [**https://192.168.99.112:8443**](https://192.168.99.112:8443) **--token=8EoqM10qmwj5GS-m6VaqeokV30K90Ztiea7YN1JnvJg**

**Use VirtualBox Permanently**

Setting the vm-driver option as a persistent configuration option allows you to run minishift start without explicitly passing the --vm-driver virtualbox flag each time. You may set the vm-driver persistent configuration option as follows:

**$ minishift config set vm-driver virtualbox**

The vm-driver persistent configuration option must be supplied before minishift start has been run. If you have already run minishift start, ensure that you run minishift delete, set the configuration with minishift config set vm-driver virtualbox, then run minishift start in order to make use of the VirtualBox driver.

**OpenShift Origin on a local VM**

* <https://containerized.me/how-to-deploy-openshift-origin-locally/>

**TRAINING:**

* <https://www.redhat.com/en/services/training/courses-by-curriculum?intcmp=701f2000001D4SbAAK&#OpenShift>

**Minishift:**

* <https://blog.dbi-services.com/openshift-on-my-windows-10-laptop-with-minishift/>