**MiniShift Installation Guide**

**Introduction**

Minishift is a tool that helps you run OpenShift locally by running a single-node OpenShift cluster inside a Virtual Machine (VM). You can try out OpenShift or develop with it, day-to-day, on your local host.

Minishift uses *[libmachine](https://github.com/docker/machine/tree/master/libmachine)*for provisioning VMs, and *[OpenShift Origin](https://github.com/openshift/origin)* for running the cluster.

### **Prerequisites**

Before attempting to install MiniShift, be sure your host machine meets the prerequisites:

* Make sure your System supports Hardware Virtualization Technology and that virtualization is enabled.
* To check virtualization, use Microsoft® Hardware-Assisted Virtualization Detection Tool.

(Link: [*Hardware-Assisted Virtualization Detection Tool*](http://www.microsoft.com/en-us/download/details.aspx?id=592))

* Install Docker Toolbox for Windows

(Link: [*Docker Toolbox Setup*](https://download.docker.com/win/stable/DockerToolbox.exe))

***Legacy desktop solution.****Docker Toolbox is for older Mac and Windows systems that do not meet the requirements of [Docker for Mac](https://docs.docker.com/docker-for-mac/) and [Docker for Windows](https://docs.docker.com/docker-for-windows/). We recommend updating to the newer applications, if possible.*

* To run Docker, your machine must have a 64-bit operating system running Windows 7 or higher.

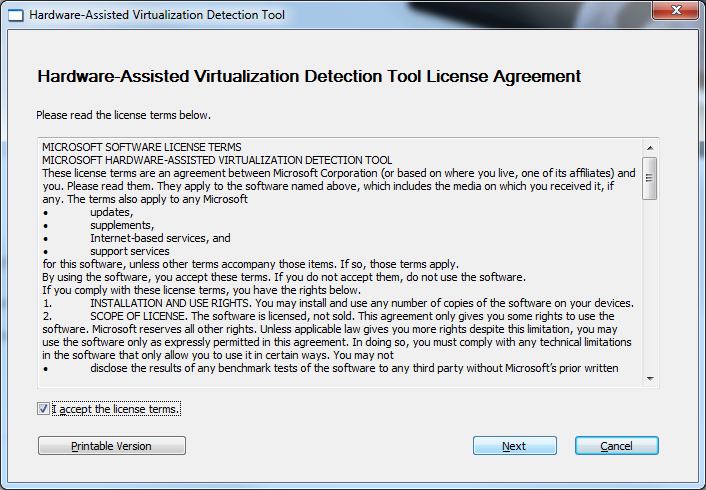
**Windows 7 Installation approach:**

***Step1*** *- Hardware VirtualizationVerification:*

* Download Microsoft® Hardware-Assisted Virtualization Detection Tool

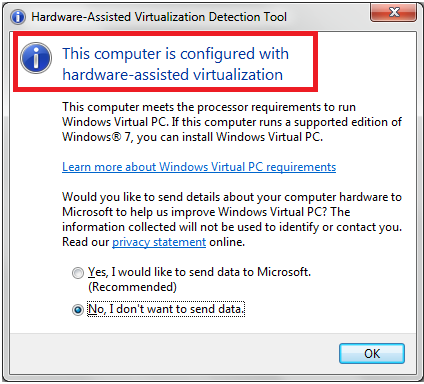
(Link: [*Hardware-Assisted Virtualization Detection Tool*](http://www.microsoft.com/en-us/download/details.aspx?id=592)

Filename: *havdetectiontool.exe*)



NOTE: Installation is not required.

* When you execute the EXE file, following result appears:



The above result shows that the machine has Hardware-Assisted Virtualization (HAV) enabled.

***Step 2*** *– Install Docker:*

* Download Docker Toolbox from below Link:

(Link: [*Docker Toolbox Setup*](https://download.docker.com/win/stable/DockerToolbox.exe))

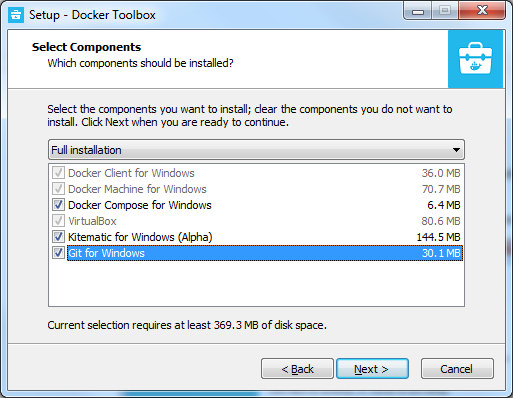
Docker Toolbox software and several “helper” applications. The installation adds the following software to your machine:

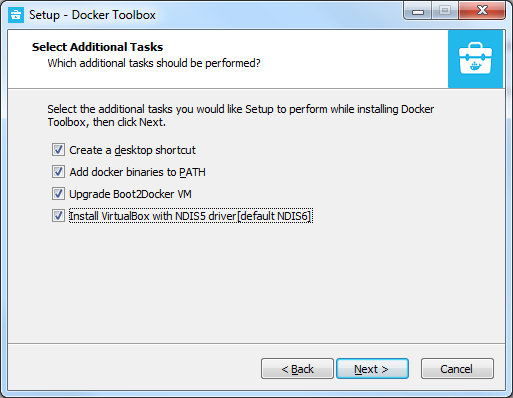
* Docker Client for Windows
* Docker Toolbox management tool and ISO
* Oracle VM VirtualBox
* Git MSYS-git UNIX tools



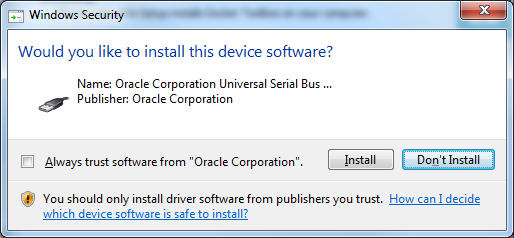
If you have a previous version of VirtualBox installed, do not reinstall it with the Docker Toolbox installer. When prompted, uncheck it.

If you have Virtual Box running, you must shut it down before running the installer.





* Click **Install.**



**Tip**: To avoid Helper tool installation confirmation, check the “Always trust software Oracle Corporation”

* Click Install to install Universal Serial Bus driver.