

# **WA2507 Managing Clusters and Containers with Kubernetes**

## **Classroom Setup Guide**

**Web Age Solutions Inc.**

## Table of Contents

Part 1 - Minimum Hardware Requirements.....	3
Part 2 - Minimum Software Requirements.....	3
Part 3 - Software.....	3
Part 4 - Installation.....	4
Part 5 - Summary.....	5

## Part 1 - Minimum Hardware Requirements

- 64-bit x86 CPU that supports hardware virtualization (Intel-VT or AMD-V)
- Hardware virtualization enabled in the BIOS
- 2 cores
- 6 GB RAM
- 80 GB Hard Disk
- Internet

## Part 2 - Minimum Software Requirements

- Windows 7 64 bits or later
- 7zip or similar
- VirtualBox 6.1 or later

## Part 3 - Software

\_\_1. The following files will be provided by email with 10 files like below:

```
wa2507-kubernetes.7z.001  
wa2507-kubernetes.7z.002  
...  
wa2507-kubernetes.7z.010
```

\_\_2. Download the files listed in the email using the links provided.

\_\_3. Right click on the file with extension .001 and select **Extract here**. It will extract the 10 files automatically. Do not open or extract any other file.

\_\_4. Verify the following file has been extracted:

`wa2507-kubernetes.ova`

## Part 4 - Installation

\_\_1. Install VirtualBox 6.1 or later. You can download it from the following link, then install it using the defaults:

<https://www.virtualbox.org/>

\_\_2. Open VirtualBox.

\_\_3. From the menu, select **File** → **Import Appliance**.

\_\_4. Click the icon folder at the top and open the folder where the ova file was extracted in a previous step.

\_\_5. Select the file with extension ova:

`wa2507-kubernetes.ova`

\_\_6. Click **Open**.

In the appliance settings make sure you see the following:

CPU = 2  
RAM = 4096

You can change the folder where the Virtual Machine will be installed, to do that click on the drop down, click Other... and select the path. [Make sure you have enough space in the disk]

\_\_7. Click **Import**.

Wait until the VM is imported.

\_\_8. When finally is imported it the VM will appear in the left menu as follows:

`wa2507-kubernetes`

\_\_9. Select the VM and click the Start button at the top of the screen.

\_\_10. Wait to be loaded, when the login screen appears, click on **osboxes.org user**



\_\_11. Enter **osboxes.org** as password and hit Enter.

Wait until the OS is loaded in the screen.

\_\_12. Leave the VM running, the student will use it to do the Labs.

## **Part 5 - Summary**

**You have successfully installed the software for this course!**

If you have any question please contact us by email at [support@webagesolutions.com](mailto:support@webagesolutions.com)

From US and Canada call: 1-877-812-8887 ext. 26

International call: 416-406-3994 ext. 26