Docker Containerization Boot Camp

3 Days Classroom Session | 3 Days Live Online

Overview

In recent years, few IT tools have been as disruptive or innovative as Docker. Lightweight and fast, the open-source Docker engine provides an environment to run your code as well as an efficient workflow to get code from developer machines to the test environment, and rapidly into production. Docker streamlines deployment of your applications into isolated containers, allowing versatile new solutions across the entire IT value chain.

This Docker Containerization training workshop is ideal for developers and operations staff who want to containerize and improve reliability throughout the entire software development life cycle. To get the most out of the course, you should be familiar with some Linux basics, including package management, basic networking and simple shell scripting.

This 3-day Docker Containerization training class is a continuous hands-on workshop which teaches you how to use Docker and the workloads for which it is best suited. From your clean new Docker install on the first day, you will work through continuous real-world use cases to learn pragmatic, immediately useful skills. Our real-world format gets you up and running as quickly as possible with the technology, and focuses on making sure you understand how to best integrate Docker into your workflow for maximum productivity as soon as you return to work.

- Rapidly deploy applications - By completely avoiding full machine and/or OS virtualization, containers vastly reduce application size and delivery time.
- Develop for nearly universal portability - By bundling all application dependencies into one container.
- Version control & reuse - Recursive reuse makes applications much more lightweight. Version control and rollback are easy.
- Enjoy extremely lightweight, minimal overhead - Docker images are small. Delivery and deployment of new application containers are as fast as it gets.
- Vastly simplify maintenance - Much less overhead and fewer dependencies mean far less maintenance.

Pre-Requisites

To get the most out of the course, you should be familiar with some Linux basics, including package management, basic networking and simple shell scripting.

What you will need to have installed on your PC prior to attending the ASPE Docker course:

The ASPE Docker course will be run as a continuous lab, and you will be able to follow along with the course after meeting a few prerequisites. No assumption has been made about what platform you might be running for development, and the following software can be installed on Mac, Windows or Linux.

First you will need to install Oracle Virtualbox from https://www.virtualbox.org/wiki/Downloads

Next you will need to install Vagrant from https://www.vagrantup.com/downloads.html

You will also need a GIT and SSH client, these come standard on Mac OS-X. If you are running Windows you can download from https://git-scm.com/download/win and on Linux you can install these with your distributions package manager, for example: $ sudo apt-get install git-core openssh-client

Any additional requirements will be retrieved through the duration of the course.

For more information, please contact us at (866) 543-0520 or info@velocityknowledge.com