Description and Agenda for Red Hat

OpenShift Container Plattform Infrastructure Architecture Workshop

Description:

The purpose of this training is to show attendees the benefits, the architecture, the installation and the operational management of Red Hat´s Container Plattform „OpenShift"
Attendees learn during these two days how to present, design and architect an OpenShift installation on-premise and to install it different public clouds.

The main focus is on the infrastructure of OpenShift there is only very little development in this training.

This WorkShop covers:

Architecture, Installation, Management, Networking, Storage, Container Runtime Features (CRY-O) modern registry implementation (QUAY) , Virtualization (CNV), running on different HW Platforms (Power), running different Solutions (IBM Products on OCP)

Prerequisites:

Basic understanding of Linux, containers (Docker), networking,
A notebook with a browser

Expected results

After attending this workshop you know how to architect and install an OpenShift environment, explain CRI-O, Istio and other "state of the art" tools to manage and meter OpenShift.
Explain the integration of development tools, the options and how to install applications from other vendors on OpenShift (IBM, SAP,....)

OpenShift Architecture Workshop

Agenda:

Day 1:

9:00	Welcome, Intro
9:30	Red Hat and OpenSource
10:00	OpenShift – the platform for great ideas
10:30	Break
10:45	OpenShift Architecture
12:30	Lunch Break
13:30	CoreOS and OpenShift 4.x
14:15	Moving on from Docker . The new container framework
15:00	HandsOn "Build a Container with Buildah"
15:30	Break
15:45	Live Demo
16:00	HandsOn OpenShift 4.x „Build an App with OpenShift"
17:00	End Day One

Day 2:

9:00	Recap Day One
9:15	OpenShift Plattform Installation
10:00	Istio Service Mesh
10:40	Container Native Virtualisation
11:00	Break
11:15	Modern Regisitry Management (QUAY)
12:00	API Management (3Scale)
12:30	Break
13:30	Running Continerised Workloads on OpenShift (IBM CloudPak, MS, …)
15:00	Break
15:15	Roadmap what´s new , whats coming
16:30	End of day two