

OpenShift Virtualisation Technical Deep Dive Workshop

Business Problem Statement

There is a unique market opportunity now (for CY25) for Red Hat to support customers in moving away from VMware-based infrastructure and onto an OpenShift-based one, due to recent moves by the new owner of VMware, Broadcom. Once Red Hat technical sellers have successfully positioned and convinced customers to take the first step in their migration away from VMware by the means of performing a Red Hat Virtualization Migration Assessment, Services Architects and Consultants need to be able to take the next step and deliver this assessment as well as position the Virt Migration Factory.

Workshop Goal

Get partners ready to initiate, architect and deliver OpenShift Virtualisation projects

Workshop Learning Outcomes

At the end of the 2-day workshop, participants will be able to:

- Understand Virtualization architecture design, including HCP, networking, storage, ISV considerations, and example use cases
- Perform Production-readiness for OpenShift Virt deployments
- Stand-up migration factory (AAP)
- Identify, automate, and execute on migration use cases
- Convey knowledge of ISV/third-party workflow ecosystems around virtualization
- Understand Day 2 Operations with AAP

Prerequisite Skills/Knowledge

Key knowledge and experience that learners should have before starting the training.

All Attendees:

Nominees should have completed and taken the following courses:

- Red Hat Certified Specialist in OpenShift Virtualization (RH316) - Taken DO316 and have passed EX316, OR planning on scheduling their exam
- Red Hat Enterprise Linux Automation with Ansible (RH294)
- Red Hat OpenShift Administration II: Configuring a Production Cluster (DO280)

AGENDA - Day 1

09:00 - 10:15

- Welcome and Introductions
- Sales Motion and Getting the Technical Win (GTM Strategy)
- ISV Overview

10:30 - 12:00

- All the Labs were presented and explained by the facilitator, with no hands-on for the attendees
- LAB - OpenShift Virtualization Basics
- LAB - Network Management
- LAB - Storage Management Lab

12:00 - 13:00 Lunch

13:00 - 14:45

- LAB - Introduction to virtual machine customization
- LAB - GitOps

14:45 - 15:00 BREAK

15:00 - 16:00

- VMware vSphere Overview Presentation
- VMware to OpenShift Presentation

16:00 - 17:00

- Migration Factory
- Deep Dive on the Migration Factory offering
- OpenShift Virtualization Ansible Migration Factory Demo

Agenda Day 2

09:00 - 10:00

- Showcase of the VMA

10:00 - 12:00

- Migration discussion based on a real-world scenario
- Discussion on migration risks
- Estimating a project

12:00 - 13:00 Lunch**13:00 - 16:45**

- Advanced Cluster Management for Virtualization (ACM-V)
- Subscription offerings
- Creating a Lab/Demo environment
- Demos available on demo.partner.redhat.com
- Questions and recap

Agenda Day 3

09:00 - 09:30

- Welcome to Day 3

09:30 - 10:00

- Virtualization Migration Assessment (VMA)
- Agenda
- Assessment Prep
- Delivery Guide
- Positioning, scoping, and estimating an OCPV Assessment
- Analyze current VM Architecture
- Identify VM workloads
- Define integrations
- Understand day-2 operations
- Propose a high-level design
- Generate roadmap

10:00 - 11:00

- Scenario Exercise
- Agenda & Objectives
- High-Level Design
- Constraints / Assumptions
- Migration Approach
- Each team is going to present its approach and defend it in front of the other teams.

11:00 - 01:00 (incl working Lunch)

- Team Work on the scenario

01:00 - 02:00

- Scenario Exercise - Presentation Time
- Each team will have 15 minutes to present their approach and answer questions

02:00 - 02:20

- Ask me Anything Discussion
- Close Out