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VMware to OpenShift Virtualization Migration



Plan, migrate, troubleshoot and operate virtual machines with the Migration Toolkit for Virtualization

10-DAY LIVE PROGRAM

CubenSquare Technology Solutions

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READY
BUSINESS PARTNER

ABOUT US

CubenSquare drives digital transformation by delivering expert IT solutions across industries, including banking, retail, healthcare, logistics, and more. Specializing in Red Hat OpenShift, cloud-native technologies, DevOps automation, and AI innovations, we help businesses modernize operations, enhance customer experiences, and accelerate growth.

From IT support and consulting to custom software development and corporate training, CubenSquare is your trusted partner for seamless integration of intelligent technologies. We enable organizations to harness AI, automation, and scalable cloud platforms —empowering them to thrive in an evolving digital landscape.

Core Business Units



Software Development: Designing and developing scalable, secure, and high-performance software solutions.



IT Consultation : Advisory and modernization consulting for enterprises navigating digital transformation.



IT Support Services : Comprehensive managed services ensuring performance, security, and business continuity.



IT Training & Certification : Hands-on training in DevOps, Cloud, RedHat, Cybersecurity, and AI to build real-world skills.

The VMware exit is now a business priority

Organisations are re-evaluating their VMware estates. Admins who can migrate safely become indispensable.



Cost and licensing pressure

Changing VMware licensing is pushing teams to look for a platform they control.



One platform for VMs and containers

OpenShift Virtualization runs VMs beside modern workloads on a single platform.



A real skills gap

Few engineers can plan and run migrations end to end. This course closes that gap.

Migrations fail without the right skills

Unplanned downtime

Cold vs warm choices decide how long your business stays offline.

Windows and Linux conversion

Disks, drivers and guest operating systems must convert cleanly.

Mapping mistakes

Wrong network or storage mappings break workloads after cutover.

No rollback plan

Without waves and rollback, one failure can stall the whole project.

What you will be able to do

Map vSphere to OpenShift

Describe OpenShift Virtualization and map VMware concepts.

Run VMs on OpenShift

Create and manage VMs, networking, storage and live migration.

Set up MTV

Install the Migration Toolkit, VDDK and providers.

Plan migrations

Assess VMs, build network and storage mappings and plans.

Migrate cold and warm

Cold and warm moves for Linux, Windows and OVA VMs.

Troubleshoot and validate

Use logs and events, validate workloads, plan waves and rollback.

The course at a glance

10

days of live training

10

chapters, from basics to review

2

Hours / day

1

Lab Access

Every chapter combines short lectures with real time exposure and an end-of-chapter lab.

Your learning journey: foundations to operations

Foundations → **Migrate** → **Troubleshoot and operate**

Days 1-3

Chapters 1-3

OpenShift Virtualization, creating and managing VMs, networking and storage.

Days 4-8

Chapters 4-8

MTV setup, migration plans, cold and warm migrations and advanced scenarios.

Days 9-10

Chapters 9-11

Fix failed migrations, validate workloads and finish with the capstone.

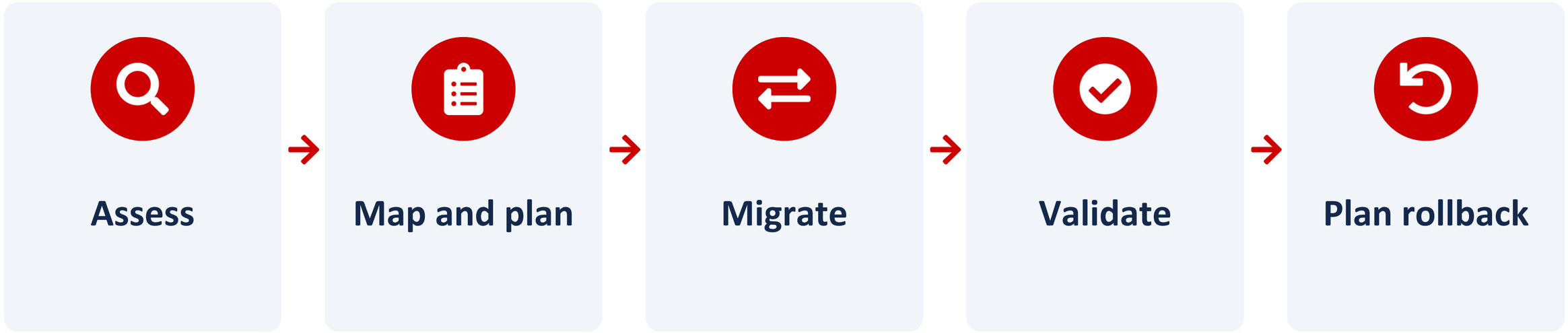
Syllabus: Days 1 to 5

Day	Chapter	Title
Day 1	Chapter 1	Introducing Red Hat OpenShift Virtualization
Day 2	Chapter 2	Creating and Managing Virtual Machines
Day 3	Chapter 3	Configuring Networking and Storage for Virtual Machines
Day 4	Chapter 4	Preparing for Migration with the Migration Toolkit for Virtualization
Day 5	Chapter 5	Building Migration Plans

Syllabus: Days 6 to 10

Day	Chapter	Title
Day 6	Chapter 6	Performing Cold Migrations
Day 7	Chapter 7	Performing Warm Migrations and Managing Downtime
Day 8	Chapter 8	Handling Advanced Migration Scenarios
Day 9	Chapter 9	Troubleshooting Migrations
Day 10	Chapter 10	Validating and Operating Migrated Workloads
Day 10	Chapter 11	Comprehensive Review

Capstone: Migrate a two-tier app end to end



In the Comprehensive Review you put every skill together: you migrate a two-tier application from VMware to OpenShift Virtualization and prove it works, just as you would in a real project.

How you learn: theory, practice, proof

Short lectures

Focused concepts, no filler. You learn why before how.

Real Time Exposure

Step-by-step practice on real migration tasks.

End-of-chapter lab

Apply the chapter on your own and lock in the skill.

Who should attend



VMware vSphere administrators moving workloads to OpenShift



Linux and Windows system administrators



Platform and infrastructure engineers running migration projects



Solution architects and consultants planning VMware exit strategies

Prerequisites

- Working knowledge of VMware vSphere: VMs, datastores, port groups, snapshots
- Linux command-line skills (RHCSA level recommended)
- Basic containers and Kubernetes knowledge is helpful, not required

Where this skill takes your career

Migration Engineer

Lead VMware exit projects.

Virtualization Admin

Run VMs on OpenShift.

Platform Engineer

Build and operate the platform.

Architect or Consultant

Design migration strategy.

Why learn with CubenSquare

Red Hat Business Partner

Authorized Red Hat partner in India, and an IBM Business Partner in UAE.

Specialists in OpenShift

OpenShift, Cloud, DevOps, CKA, Terraform and IT Training and Certification.

Chennai and Abu Dhabi

Offices in Mogappair, Chennai, India and Masdar City, Abu Dhabi, UAE.

Developed and delivered by CubenSquare Technology Solutions.



Ready to lead your VMware exit?

Enrol in VMware to Red Hat OpenShift Virtualization Migration and talk to the CubenSquare team to reserve your seat.

Notice: This course is developed and delivered by CubenSquare Technology Solutions. It is not an official Red Hat Training course.