

VMware Integrated Openstack: Install, Configure, Manage

This five-day course provides you with the skills to build a private cloud with VMware® Integrated OpenStack on a proven VMware SDDC. Through a combination of lectures and hands-on labs, this course will enhance your ability to install, configure and manage VMware Integrated OpenStack. You will learn how to deliver IaaS and PaaS with advanced networking and security features to end users with VMware Integrated OpenStack.

Course Contents

- Course Introduction
- Introduction to VMware Integrated OpenStack
- VMware Integrated OpenStack Deployment
- VMware Integrated OpenStack Architecture
- Keystone Authentication
- Glance Images
- Networking with Neutron
- Managing Instances with Nova
- Cinder Block Storage
- · Monitoring with Ceilometer
- Automating with Heat
- Troubleshooting Concepts
- Advanced Features

Target Group

- Cloud Architects
- Systems Engineers
- Data Center Administrators
- Cloud Administrators with experience in a Service Provider or Managed Services
 Environment

Prerequisites

- This course requires completion of the following courses:
- VMware vSphere: Install, Configure, Manage [V7] or equivalent knowledge
- VMware Integrated OpenStack Fundamentals [V6]
- VMware Network Virtualization Fundamentals [2017]

Basic knowledge of Linux administration and TCP/IP networking is helpful.

This Course in the Web



You can find the up-to-date information and options for ordering under the following link:

www.experteach-training.com/go/VIOM

Reservation

On our Website, you can reserve a course seat for 7 days free of charge and in an non-committal manner. This can also be done by phone under +49 6074/4868-0.

Guaranteed Course Dates

To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

Your Tailor-Made Course!

We can precisely customize this course to your project and the corresponding requirements.

Training	Prices, excl. of V.A.T.	
Classes in Germany	5 Days	€ 3,295
Online Training	5 Days	€ 3,295
Dates upon request		

Status 05/07/2025

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/Mware Integrated Openstack: Install, Configure, Manage

Table of Contents VMware Integrated Openstack: Install, Configure, Manage

1 Course Introduction	- List the features offered by keystone in VIO	another instance
- Introductions and course logistics	- How to integrate keystone with LDAP	- List the custom resources, log files, and database tables related to Cinder
- Course objectives	 List the configuration, view logs, and database tables related to keystone 	10 Monitoring with Ceilometer
- References and resources	6 Glance Images	- List the Telemetry use cases and services
2 Introduction to VMware Integrated OpenStack		
	- Understand Glance use case and its services	- How to enable Ceilometer in VIO
- Describe what an OpenStack is		
	- List the features offered by Glance in VIO	- How to monitor the VIO environment using Ceilometer
- Describe the services that make up VMware Integrated	Europein have been and the second states of the sec	Configuration and the film related to College the second
OpenStack	- Explain how to create flavors and images	 Configuration and log files related to Ceilometer service 11 Automating with Heat
- Describe what VMware Integrated OpenStack is	- Describe how to set up metadata, for example SPBM	11 Automating with Heat
	storage policy	- Define Heat use cases, templates, and services
- Describe what is NFV and how does VIO fit in		,,,,,,,,,,,,
	- List the custom resources/logs and database tables related	- Describe use cases of Heat
- Understand the licensing model of VIO	to Glance	12 Troubleshooting Concepts
	7 Networking with Neutron	
- Understand the use cases of VMware Integrated OpenStack		- List common issues in VMware Integrated OpenStack
3 VMware Integrated OpenStack Deployment	- Understand the Neutron use case and its services	
		- Use troubleshooting tools
- Understand the role of Kubernetes in the VIO control plane	 Integrate Neutron with NSX-T Data Center 	
		- Describe simple troubleshooting procedures
- List the VMware Integrated OpenStack deployment models	- List the custom resources, logs, and database tables related	List and surlain Day 2 securitizes
- How to perform VIO high-availability deployment	to Neutron 8 Managing Instances with Nova	 List and explain Day-2 operations 13 Advanced Features
	o wanaging instances with wova	
- How to perform VIO compact installation	- Understand Nova use cases and services	- Describe Load Balancer as a Service (Octavia)
- Pre-requisites for installing VMware Integrated OpenStack	- Understand regions, availability zones, and host aggregates	- Explain Firewall as a Service
- How to use the HTML5 web UI / VIOCLI to check the	- Understand the concept of tenant VDC	- Describe Designate (DNS as a Service)
deployment configurations and deployment running status		
	- Nova support for multiple vCenter instances	- Describe automating scaling
- Explain steps involved in patching VIO high availability setup		
4 VMware Integrated OpenStack Architecture	 How to deploy an instance using Nova 	- Describe selective vCPU pinning
List the VMAs deployed after a VMMuare Integrated	How to regize an instance and view the concele logs	Evalain SPIOV natural redundancy support
 - List the VMs deployed after a VMware Integrated OpenStack high-availability installation 	- How to resize an instance and view the console logs	- Explain SRIOV network redundancy support
openstated ingli availability installation	- Configuration and logs related to Nova service	- Describe network trunk services support
- Describe the overall architecture of the VIO HA setup	9 Cinder Block Storage	Describe network durk services support
		- Describe Live resize
- List the VIO services running within Kubernetes pods	- Understand Cinder use cases and services	
		- Describe hardware passthrough (GPU pass through)
- Describe the role of each service	- List the features offered by Cinder	
		- Describe external REST API
- Understand SSL certificates in VIO	- Adding a persistent volume to an instance	
5 Keystone Authentication		
- Understand keystone use cases and services	- Explain the Snapshot of a Cinder volume and attach it to	



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