

## VCF 5.2.1 on VxRail Administration (VCF521VA)

ID VCF521VA Price 1,870.— €<sub>excl. VAT</sub> Duration 2 days

### Who should attend

This course is intended for customers, partners and Dell Technologies employees who are responsible for administering and managing a VCF on VxRail solution.

### Prerequisites

This course assumes that the students are familiar with:

- Basic understanding of VMware Cloud Foundation
- Technical proficiency with VMware ESXi, vSphere and NSX components and user interfaces
- Experience with administering VxRail systems

The following training is recommended:

- VxRail Concepts
- VxRail Administration
- VMware Cloud Foundation Overview

### Course Objectives

Upon successful completion of this course, participants should be able to:

- Describe the VCF on VxRail system and use the knowledge to deploy or manage the system.
- Locate system components using multiple UIs to manage and support VCF 5 on VxRail deployments.
- Configure and manage users from an external identity source like Microsoft Active Directory
- Configure and manage component passwords
- Configure and manage SSL certificates
- Manage licenses
- Add and remove a host from a VI WLD
- Use the Developer Center to retrieve information and create a service account
- Using the VCF API, deploy an NSX Edge cluster on the VI WLD
- Configure backups for SDDC Manager and NSX Manager
- Update SDDC Manager to another version.
- Deploy VMware Aria Lifecycle Manager using SDDC

Manager

- Provide ongoing support

### Course Content

The content of this course is designed to support the course objectives. Practical experience is included throughout the course.

#### Describe VCF on VxRail

- Overview of VCF on VxRail
- VCF on VxRail Architecture
- Supported storage and networking options
- High-level implementation steps for VCF on VxRail

#### Use multiple UIs to identify system components

- Describe the various user interfaces and explain their uses
- Identify the cluster, hosts and storage for each domain in SDDC manager
- Lab: Identify the cluster, hosts and storage for the Management Domain and VI WLD in SDDC manager
- Identify the cluster, hosts, and storage for each WLD in the vSphere client
- Lab: Identify Mgmt. and VI WLD components using the vSphere Client
- Identify NSX components and segments for each WLD in NSX Manager
- Lab: Identify Mgmt. and VI WLD components using the NSX Manager

#### Manage User Accounts and Roles

- SSO and identity sources
- Lab: Add Active Directory over LDAP external identity source to VCF
- VCF users and roles
- Lab: Assign roles to groups and test access

#### Manage System Component Passwords

- Component password management options for VCF
- Lab: Change a password locally on a system component
- Lab: Use the Remediate action to update a component password in SDDC Manager

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- Lab: Use the Update action to set a specific password for a VCF component
- Lab: Use the Rotate Now action to set a random password for a VCF component
- Lab: Use the Schedule Rotation action to set an automatic password change schedule
- Lab: Use the lookup\_password utility to retrieve a component password

### Manage TLS Certificates

- Certificate management options for VCF
- Lab: Manage Certificates

### Manage Licenses

- How licensing works in SDDC manager
- Lab: Add a license to SDDC Manager
- Lab: Assign a new license from SDDC Manager

### Manage Workload Domain Hosts

- Overview of adding a VxRail host to a workload domain
- Lab: Add a VxRail host to a VxRail cluster using the vSphere client and VxRail plugin
- Lab: Add a VxRail host to a VI workload domain using SDDC Manager.
- Considerations for removing a VxRail host from an existing workload domain
- Lab: Remove a VxRail host from a VI workload domain using SDDC Manager.

### Use Developer Center to access and manage VCF

- VCF developer center and API capabilities
- Lab: Retrieve cluster information using developer center
- Lab: Create a service account using developer center

### Deploy NSX Edge cluster on a VI WLD using the API

- NSX networking for VI workload VMs
- Lab: Deploy an NSX Edge cluster using API
- Lab: Validate the NSX Edge cluster deployment using NSX Manager

### Configure SDDC Manager and NSX Manager Backups

- Various backup types and options for SDDC Manager and NSX Manager
- Lab: Configure an external SFTP server target in SDDC Manager
- Backup schedules for VCF
- Lab: Configure a backup schedule for SDDC Manager, NSX Manager and vCenter.

### Upgrade SDDC Manager

- VCF Lifecycle Management (LCM)
- Why and when to perform an update
- Lab: Validate that the correct upgrade bundle is available
- Lab: Perform a Precheck in SDDC Manager
- Lab: Perform an upgrade on SDDC Manager

### Deploy VMware Aria Suite Lifecycle

- Lab: Deploy VMware Aria Suite Lifecycle

### Support VCF

- Supportability and Serviceability (SoS) Utility
- Lab: Disable the ESXi SSH access for all ESXi hosts using the SOS utility
- Lab: Validate system health using the SOS utility
- Lab: Generate logs using the SOS utility and collect the logs
- Describe VCF log files uses and locations
- Describe how to troubleshoot a failed workflow

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### Training Centres worldwide



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