

VMware Aria Operations for Networks: Install, Configure, Manage [V6.8]

Course Duration: 16 Hours

Course code: VM VAONICM68

1. Course Overview

Explore our comprehensive VMware Aria Operations for Networks: Install, Configure, manage [V6.8] course to master the essentials of network operations. This course covers Installing, configuring, and managing VMware Aria Operations for Networks, providing insights into Architecture, Component functions, and System health checks. You'll learn how to deploy and pair VMware components, configure data sources, and integrate VMware Aria Operations with your network.

2. What you'll learn?

- Understand the architecture and components of VMware Aria Operations for Networks
- Install and configure platform and collector virtual machines
- Integrate with vCenter Server, NSX, and other data sources
- Use flow analytics and application discovery for micro-segmentation
- Troubleshoot common networking issues using flow information
- Perform operations using tags and configure Intents
- Validate and monitor NSX deployments
- Scale the deployment based on enterprise requirements

3. Target Audience

This course is aimed at network professionals who design, build, operate, manage, and troubleshoot software-defined networking and security, and application owners who need visibility across multi-cloud environments.

4. Pre-Requisites

- Knowledge of basic networking concepts (routing, switching, firewalls)
- Understanding of VMware vSphere and VMware NSX environments
- Familiarity with TCP/IP stack and general IT infrastructure

5. Course content

1 Course Introduction

- Introductions and course logistics
- Course objectives

2 Introduction to VMware Aria Operations for Networks

- Identify the use cases for VMware Aria Operations for Networks
- Access the VMware Aria Operations for Networks Home page
- View VMware Aria Operations for Networks entity data
- Perform searches for specific entity data
- Create entity search queries
- Find and use event data

3 VMware Aria Operations for Networks Architecture and Components

- Identify the components of VMware Aria Operations for Networks
- Describe the function of each component and how the components interact
- Check the health of VMware Aria Operations for Networks components

4 VMware Aria Operations for Networks Installation

- Deploy VMware Aria Operations for Networks components

- Configure the pairing relationship between the platform VM and the collector VM
- Troubleshoot platform VM and collector VM configuration problems
- Explain how data sources export flow information
- Add VMware vCenter Server® to VMware Aria Operations for Networks
- Add a VMware NSX to VMware Aria Operations for Networks
- Configure IPFIX
- Distinguish between the mechanisms used to scale VMware Aria Operations for Networks
- Select the appropriate scaling mechanism for your environment
- Describe how clusters are expanded
- Integrate VMware Aria Operations with VMware Aria Operations for Networks
- Import a VMware Aria Operations for Networks instance into VMware Aria Suite Lifecycle

5 VMware Aria Operations for Networks Use Cases

- Explain use cases for VMware Aria Operations for Networks
- Create VMware Aria Operations for Networks applications
- Perform application discovery
- Plan and optimize micro-segmentation and security for applications
- Explain the use of flow analytics
- Use flow information from physical devices in security planning
- Generate virtual machine path topologies between entities using flows

- Extract useful information from path topologies
- Validate NSX deployments
- Monitor and troubleshoot NSX events

6 Operations and Troubleshooting Common Issues

- Perform VMware Aria Operations for Networks operations by using VMware vSphere® tags
- Use the flow analytics dashboards to perform flow analysis
- Set and configure Intents to identify aberrations in the behaviour of entities
- Use VMware Aria Operations for Networks tools to troubleshoot common problems

