VMware Cloud Foundation Operations for Networks

Adoption Path

VCF 5.2

vmware®
by **Broadcom**

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Introduction to VCF Operations for Networks

Hello from VCF Operations for Networks, and welcome!

This page guides your VCF Operations for Networks (formerly VMware Aria Operations for Networks) Adoption Path. It includes a variety of steps, from getting started to becoming a power user. You can navigate as you want; you are not required to follow the steps in order, but you may do so as needed.

If you're wondering how other customers use VCF Operations for Networks, please visit the Product webpage.

Getting Started

Maximize your value with VCF Operations for Networks

Here, you will learn about the key features and capabilities of VCF Operations for Networks you can use within the first few minutes! The first few steps in our journey start with understanding current network monitoring challenges and a basic understanding of the VCF Operations for Networks product, its architecture, and learning how to add the data sources, configure retention policies, and fine-tune Events and Alerts using the UI and view home default dashboards to monitor platform health, Anomalies, insights, flows, and Events are presented in them. We can then use all that knowledge to troubleshoot and move on to more advanced topics.

Introduction to VCF Operations for Networks and Key Use Cases

Understand current network monitoring challenges and how VCF Operations for Networks addresses these gaps. Familiarize yourself with multiple use cases that VCF Operations for Networks addresses.

• VCF Operations for Networks - Overview

Understand Architecture and Scale for VCF Operations for Networks

Learn about Architecture, various deployment types, and the scale and sizing guidelines for setting up VCF Operations for Networks in the environment.

• VCF Operations for Networks - Architecture Overview

VCF Operations for Networks Deployment

Get an overview of the deployment types for VCF Operations for Networks and managing Data sources and retention configurations.

• VCF Operations for Networks - Deployment

Getting More Out Of

Now that we've got the basics down, let's start ramping things up to some intermediate topics like understanding every feature set VCF Operations for Networks provides, like the Network Assurance and Verification, Application Discovery, and Migration use cases with HCX, Guided Network Troubleshooting, Security and Compliance using micro-segmentation. When you complete this section, you should feel comfortable pulling all the networking insights for applications, metrics, and flows for the entities using VCF Operations for Networks and making those data relevant with custom dashboards and alerts providing an application-centric holistic view.

Application Discovery

The application is what it's all about. It's what drives the business and generates revenue. This session shows how VCF Operations for Networks discovers applications using multiple discovery methods and helps correlate infrastructure components directly to the application for a holistic overview of the entire landscape.

• VCF Operations for Networks - Application Discovery

• VCF Operations for Networks Using Machine Learning to Discover Applications

Security and Compliance

Using a micro-segmentation planner and firewall rule recommendations, see how VCF Operations for Networks helps secure applications and manage compliance.

• VCF Operations for Networks - Micro-Segmentation Planner

• VCF Operations for Networks - PCI Compliance Dashboard

• VCF Operations for Networks - PCI Compliance Dashboard Demo

Crown Jewel Analysis

Crown Jewels are the most critical assets in your data center. Using Crown Jewel Analysis, find how to secure the most vital assets during a security event.

• VCF Operations for Networks Crown Jewels

Monitoring Application Migrations with HCX

Learn how VCF Operation for Networks discovers and lays boundaries around the applications, plans out the migration, and determines the impact of network performance.

• VCF Operations for Networks - HCX

Guided Network Troubleshooting

Find out how the Guided Network Troubleshooting feature guides users during a troubleshooting process, helps map out relationships and dependencies, detects anomalies, and provides hints to identify the root cause of an incident.

• VCF Operations for Networks Guided Network Troubleshooting

Configuring and Understanding Analytics

This section covers the Flow Insights functionality, which provides Day2Ops troubleshooting, identifies abnormal flows, top talking entities, and Analytics Outliers to detect traffic patterns and report on misconfiguration or DDOS attacks.

• VCF Operations for Networks - Analytics

Events and Alerts

Learn about the out-of-the-box events VCF Operations for Networks provides and create User defined alerts using search capabilities.

• VCF Operations for Networks - Events and Alerts

Creating Custom Application Dashboards

Learn how to create custom dashboards and see how they can help troubleshoot application-centric issues using a Single pane of glass view for Application Network KPIs

- VCF Operations for Networks - Dashboards

Containers: Kubernetes, TKGi, and OpenShift

Learn about the in-depth traffic visibility, topology, and troubleshooting capabilities VCF Operations for Networks provides for containers and Kubernetes platforms.

- VCF Operations for Networks - Kubernetes

Network Device Discovery

Don't you wish you had a network auto-discovery to find all these network elements to help you connect the dots when troubleshooting a VM-to-VM logical/overlay path through the underlay network? Introducing Network Auto-Discovery with VCF Operations for Networks.

- VCF Operations for Networks - Network Auto Discovery

Network Performance Monitoring and Diagnostics

Monitor NSX and physical device health, visualize overlay and underlay network paths with 3rd party vendor devices like Cisco ACI.

- VCF Operations for Networks - Troubleshooting

Network Assurance and Verification

Get insights into complex networks using Network Map and Intents, implementing configuration best practices based on formal verifications.

- VCF Operations for Networks - Network Assurance and Verification
- VCF Operations for Network - Network Assurance and Verification Demo

Becoming a Power User

This section will cover advanced topics to help customers fully integrate the product into their business and processes.

Search Queries

Learn to use search capabilities and type in advanced search queries to query everything VCF Operations for Networks collects. The query is written in natural language, so you don't have to be an expert to use it.

- VCF Operations for Networks - Search Exchange Walkthrough

Databus

This session gives a detailed overview of the feature 'Databus.' The Databus is the best way to export high volumes of data from VCF Operations for Networks

• All aboard the Databus with VCF Operations for Networks