

NSX Migration Standard

For VMware Cloud Director

At a glance

NSX Migration Standard service simplifies the assessment, planning, and migration from NSX-V to NSX-T for VMware Cloud Director environments. This service includes a solutions overview, requirements validation, and identification of proper planning for successful operations.

Key benefits

- Keep networking up to date for a VMware Cloud Provider Platform
- Free IT staff to work on business-critical activities
- Minimize disruption to existing resources and operations
- Learn how-to and best practices from VMware experts through knowledge transfer

SKU

PS-CLDPV-V2T-STD

Service overview

VMware NSX Migration Standard for VMware Cloud Director™ service provides a rapid assessment, planning, and the migration of metadata and workloads from VMware NSX® Data Center for vSphere® (NSX-V) to VMware NSX® (NSX-T) for a VMware Cloud Director environment. This service will also ensure your team understands the fundamentals of the migration process, and through a knowledge transfer workshop, our team will provide an overview of the VMware methodology, best practices, and information resources.

This offering will include the following:

- Review the current environments and use cases
- Validate requirements to migrate from NSX-V to NSX-T in VMware Cloud Director
- Perform an assessment and gap analysis using VMware methodology and tools
- Present and discuss the finding in the assessment report with a Transition Strategy Workshop
- Migrate VMware Cloud Director workloads and metadata, from VMware NSX Data Center for vSphere to VMware NSX
- Provide knowledge transfer

This service requires VMware on-premises and VMware Cloud products with vendor-supported versions as agreed to by VMware and Customer at project kickoff but limited to those that are in general availability (GA).

Note: Please check the VMware Requirements and Product Interoperability Matrix links in the Appendix.

Service delivery description

Service activities will be entirely delivered remotely by VMware Professional Services. Due to the nature of some on-premises components and security aspects we require the Customer to join the virtual sessions and engage their infrastructure, network, and security teams when appropriate to execute the required actions (i.e., Firewall port configurations or appliance deployments) under the VMware team supervision. The delivery team will also require validating the proper configurations and requirements are in place before proceeding with the remote installation.

Project scope

The scope of the services delivered is defined in the following tables:

VMware Cloud Director - Assessment		
Specification	Parameters	Description
Review requirements		Review and validation of VMware Cloud Director environments and requirements
NSX-V Managers under review	Up to one (1)	Number of NSX-V Managers assessed
Organization VDCs	Up to twenty (20)	Number of Organization VDCs assessed

VMware Cloud Director – NSX Migration		
Specification	Parameters	Description
Requirements review and design		Requirements review and design workshop to ascertain Customer environment readiness before migration. The result of these workshops is used to establish design parameters for migration.
VMware Cloud Director Organization VDC Migration	Up to five (5)	Organization Virtual Data Center (VDC) entities that will be migrated from an NSX for vSphere provider VDC to an NSX-T provider VDC.
Virtual Machines to migrate	Up to hundred (100)	Total number of Virtual Machines to be migrated from NSX for vSphere to NSX-T.

Estimated schedule

VMware estimates that the duration of service described will not exceed 6 weeks. VMware Professional Services will operate according to a schedule agreed to by both parties. Typically, professional services are performed during normal business hours and workdays (weekdays and non-holidays).

Out of scope

The following are out of scope items for the defined project workstream:

General

- Installation and configuration of custom or third-party applications and operating systems on deployed virtual machines
- Operating system administration including the operating system itself or any operating system features or components
- Management of change to virtual machines, operating systems, custom or third-party applications, databases, and administration of general network changes within Customer control
- Remediation work associated with any problems resulting from the content, completeness, accuracy, and consistency of any data, materials, or information supplied by Customer Installation or configuration of VMware products not included in the scope of this document
- Installation and configuration of third-party software or other technical services that are not applicable to VMware components
- Installation and configuration of Customer-signed certificates
- Configuration of VMware products used for the service other than those implemented for the mutually agreed-to use cases
- Customer solution training other than the defined knowledge transfer session
- Creation of user roles and groups
- Creation of local accounts
- Configuration of additional LDAP/Active Directory sources
- vCenter Content library creation, OS images creation/Copy/Sync
- Creation of Networking segments, VPNs, and additional firewall rules not included in the specific service scope

Migrate NSX-V to NSX-T for VMware Cloud Director Environments

- Any modifications of physical network devices and routing protocols manipulation
- Upgrade of existing virtual infrastructure to a version that is required for migration
- Migration of Guest and Network introspection services
- Upgrade of VMware partner security virtual appliances
- Migration of SSL VPN
- Migration of L2 VPN

Project activities

Phase 1: Initiate

VMware hosts a project initiation call with key Customer and VMware stakeholders.

Topics to be discussed include:

- Project business drivers, workstream scope identification, and objectives
- Project deadlines, timelines, scheduling, and logistics
- Identification of key Customer team members who VMware will work with to accomplish the tasks defined in this project
- Technology prerequisites necessary for a successful project, including review of the Service Checklist for the VMware solution
- Confirmation of team members and contact details will be exchanged to schedule the project kickoff meeting

Deliverables include:

- Initial pre-engagement call

Phase 2: Plan

VMware leads a project kickoff meeting with Customer to assess prerequisite completion readiness, review the VMware standard architecture, and confirm project milestone dates.

The objectives of the meeting are as follows:

- Introducing the VMware team, roles, and responsibilities
- Describing the project goals, phases, and key dates
- Explaining the expected project results and deliverables
- Agreeing on communication and reporting process
- Validating the project expectations and clarifying roles and responsibilities

After Customer and VMware agree on project expectations, the VMware Project Manager and the Customer Project Manager work together on the detailed project plan.

Deliverables include:

- Project kickoff meeting minutes
- NSX Migration kickoff presentation

Phase 3: Assess

In the Assessment phase VMware does the following:

- Use the VMware's tools to collect required data
- Finalizes an assessment report

- Present a Transition Workshop

Phase 4: Migrate

The key activities for this phase are organized into Migrate and Knowledge Transfer subphases.

VMware performs the migration of the solution from the current to the desired state according to the Customer objectives, constraints, and policies.

Deliverables include:

- Migration Execution Plan Workbook

In the Knowledge Transfer subphase, VMware conducts knowledge transfer sessions covering the overall architecture, assessment procedures, and operations procedures relating to the technologies in the scope. VMware does the following:

- Conducts up to 4 hours of knowledge transfer session

Phase 4: Close

VMware conducts a closure meeting of up to 4 hours with the Customer covering project status, reviewing completions, next steps and how to engage with VMware support.

Deliverables include:

- Engagement summary presentation

Learn more

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Appendix

The following Customer stakeholders are required to participate during the delivery of project activities:

- VMware Operations team leads
- Security policy team leads
- Enterprise Architect
- Infrastructure Architect
- Network Operations team leads
- Network Architecture team leads

Requirements

The NSX Migration for VMware Cloud Director tool runs from the provider environment and has access to VMware Cloud Director, VMware NSX, VMware NSX Data Center for vSphere and VMware vCenter Server®. The NSX Migration for VMware Cloud Director tool is available as a tar.gz package for CentOS and Red Hat Enterprise Linux OS and .zip package for Microsoft Windows OS.

Please verify product requirements and interoperability with the following links:

- [VMware Products interoperability matrix](#)
- [VMware NSX Migration for VMware Cloud Director](#)
- [Unsupported features in VMware NSX Migration for VMware Cloud Director](#)

This service must be delivered and accepted within the first 12 months of purchase, or the service will be forfeited. Pricing for this service excludes travel and other expenses. For detailed pricing, contact your local VMware representative.