

VMware Migrate to NSX-T with Migration Coordinator Services

For environments with up to 512 CPU Sockets

AT A GLANCE

This service helps customers migrate from NSX-V to NSX-T

VMware Professional Services' goal is to provide an accurate and seamless migration from NSX-V to NSX-T. The service is conducted jointly with your team members to enhance the learning experience during the deployment.

KEY BENEFITS

- Seamless migration of network to the latest version of NSX
- Support migrating existing Workloads securely and as seamlessly as possible
- Consistent migration deployment across multiple data centers and public clouds
- Reduce IT team support burden
- Leverage VMware Professional Services experience and best-practices to migrate to VMware NSX-T
- Design, deployment, and migration of NSX-T across multiple sites

SKU

CON-NSX-V2T-MC512

Service overview

This service is designed to help you migrate from NSX Data Center for vSphere (NSX-V) to NSX-T Data Center (NSX-T). VMware Professional services will help upgrade NSX-V software to NSX-T following VMware best practices and alignment with customer use cases and requirements.

Services performed by VMware engineers include:

- Planning and Review of current NSX deployment
- Assess environment for networking prerequisites prior to the migration
- Creation of detailed migration and rollback plan
- Move all workloads from NSX-V prepared cluster to NSX-T cluster leveraging Migration Coordinator tool (In-Place Method)
- Deployment of new NSX-T Data Center environment needed to support NSX-T as done by the migration coordinator.
- Leverage NSX Federation with up to two vCenters
 - Design – Solution design through a series of workshops and consultation.
 - Implement – Deployment and verification of the solution.
 - Knowledge Transfer – Knowledge transfer of the design, deployment, and operations procedures.

This SKU is for networks with between 257 to 512 sockets. For networks with fewer sockets, please see datasheet for SKU's CON-NSX-V2T-MC64, -MC128, and -MC256. For larger or configurations not covered as per the matrix, please contact a VMware Client Services Executive for additional options.

Part Number/SKU	Service Description
CON-NSX-V2T-MC512	VMware NSX-V to NSX-T Migration Promotion - <513 Sockets (REMOTE ONLY)

Project scope

This solution is strictly limited to the number of network components and parameter configurations as defined in the following package. The following quantities reflect maximums or if the feature or scenarios are supported in the package. Contact your Client Services Executive for service proposals to address scenarios not covered by the scope descriptions below:

SKU Offering	
	CON-NSX-V2T-MC512 Up to 512 Sockets
vCenters	2 (in Linked Mode)
NSX Managers	2 (in Cross-vCenter Mode)
Hosts	256
Firewall Rules	5,000
Groups	5,000
Edge Service Gateways	100
Maintenance Windows	1
The following indicates if a feature or use case with integrations are addressable with this service:	
Cross vCenter	Yes
Cross vCenter Sites	2
Service Insertion / Guest Introspection	No
Automation with vRealize Automation	No
Automation with VMware Cloud Director or VMware Integrated OpenStack	No
Custom Automation Migration	No
vSphere or NSX-v Upgrades	No
Merges of Multiple NSX-V Environments	No
Custom Migration Scripting	No
NSX-T Design and Deploy to Prepare for Migration	Yes
VMware Cloud Foundation Design and Deploy	No

Out of scope

The following are out-of-scope items for this project.

- Any NSX-V feature or capability not supported by the NSX Migration Coordinator. ([See here for features supported by Migration Coordinator](#))
- Any network topology not supported by Migration Coordinator. ([See here for Network Topologies Supported by Migration Coordinator](#))
- Languages other than English, unless arranged in advance
- On-site delivery
- Onshore delivery, unless arranged in advance
- Country specific citizenship requirements
- No automation/integration with vRealize Automaton, VMware Cloud Foundation, VMware Cloud Director, VMware Integrated Openstack or custom migration scripting
- Service Insertion / Guest Introspection
- VMware Cloud Foundation Migrations, Design and Deploy
- Modifying / updating Customer Cloud Management Platform (CMP) environment and blueprints
- Migration of Layer 2 Bridges
- Any modifications on physical network devices and routing protocols manipulations
- Upgrade of existing virtual infrastructure
- Upgrade of VMware partner security virtual appliances

Estimated Schedule

The project defined in this SOW is estimated to be for a duration of 17 – 21 weeks. VMware consulting services will operate according to a schedule agreed to by both parties. The consulting services are performed during normal business hours and workdays (weekdays and non-holidays).

The customer acknowledges that the estimated duration is indicative only and that VMware will not incur any penalty or forfeit any entitlement to payment, fees, or related expenses if the consulting services are not provided in accordance with the estimated duration.

Access to customer environment and participation of the following Customer stakeholders is required for the Service to be performed:

- Enterprise Architect
- Network Architecture team leads
- Infrastructure Architect
- VMware operations team leads
- Network Operations team leads
- Security technology team leads
- Firewall/DMZ team leads

SKU	Estimated Duration
CON-NSX-V2T-MC512	17 to 21 weeks

Project Activities

Phase 1: Initiate

VMware Project Manager hosts one (1) project initiation call with key Customer and VMware stakeholders.

Topics to be discussed include the following:

- Project business drivers, scope, and objectives.
- Project deadlines, estimated timelines, scheduling, and logistics.
- Identification of key Customer team members with whom VMware will work to perform the tasks defined in this SOW.
- Participating team members are confirmed and contact details are exchanged to schedule the project kickoff meeting.

Deliverables

- One (1) project initiation call

Phase 2: Plan

VMware leads one (1) project kickoff meeting with Customer project sponsors and stakeholders to review expectations about the purpose of the engagement, the delivery approach, and estimated timelines.

The following are the objectives of the meeting:

- Introducing the VMware team, roles, and responsibilities.
- Describing the project goals, phases, and key dates.
- Agreeing on the communication and reporting process and creating a communications plan.
- Validating the project expectations and clarifying roles and responsibilities.
- Confirming prerequisites are met as detailed in the solution checklist for specified solutions.
- Presenting the solution overview for specified solutions including expected project results and deliverables.
- The VMware Project Manager and the Customer Project Manager collaborate to develop the project plan.

Deliverables

- Communications plan
- One (1) project kickoff meeting
- Project Plan
- Solution checklist
- Solution overview presentation

Phase 3: Execute

The key activities for this phase are organized in the following sub-phases:

- Design
- Implement
- Migrate
- Knowledge Transfer

Execute: Design

VMware leads the Customer project team in a series of workshops to develop a design. VMware does the following:

- Documents the design for the specified VMware solutions in the solution design document(s).

Deliverables

- Solution design document

Execute: Implement

VMware implements the solution according to the VMware solution specification. VMware does the following:

- Implements the specified solutions as detailed in the specification workbooks.
- Verifies the implementation and documents results in the verification workbooks for the specified solutions.

Deliverables

- Solution specification workbook
- Solution verification workbook

Execute: Migrate

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

Deliverables

- Migration Execution Plan Workbook

Execute: Knowledge Transfer

VMware conducts knowledge transfer sessions covering the design, implementation, and operational considerations relating to the scope of this project. VMware does the following:

- Conducts up to four (4) hours of knowledge transfer sessions for appropriate Customer representatives.
- Provides an adoption guide document(s) containing operational guidance for the specified solutions.

Note: For the avoidance of doubt, the Knowledge transfers herein do not comprise VMware product training or certification courses as offered by the VMware Education unit - <http://mylearn.vmware.com/mgrreg/index.cfm>.

Deliverables

- Adoption guide document
- Knowledge transfer workshop presentation
- Up to four (4) hours of knowledge transfer sessions

Phase 4: Close

The VMware Project Manager conducts one (1) closure meeting with the Customer covering project status, next steps, and how to engage further with VMware.

Deliverables

- Engagement summary presentation
- One (1) closure meeting

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FOR MORE INFORMATION

Contact a VMware Professional Services expert at vmware.com/company/contact.html.

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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.

Appendix

Recommended Project Team

The following Customer stakeholders are required to deliver this service:

- Enterprise Architect
- Network Architecture team leads
- Infrastructure Architect
- VMware operations team leads
- Network Operations team leads
- Security technology team leads
- Firewall/DMZ team leads

Assumptions

- 100% remote delivery
- Product SKU based service (No WWPS SKU and/or SOW execution)

Prerequisites

The following are the technical prerequisites to deliver this service:

- ESXi version. Defined minimum: Min supported version : 6.5 P03 , 6.7 EP 06
- VMware NSX-T management plane and control plane deployed and configured with VMware recommended practices. Defined minimum: NSX-T Manager cluster must be installed before migration
- vCenter Server version. Defined minimum: Min supported version : 6.5 U1 or later; 6.7
- NSX-V version. Defined minimum: Must be running on 6.4.4
- Customer already have NSX Data Center Advanced, Enterprise, or Enterprise Plus
- Clusters must be deployed in advance
- Minimum 32 CPU sockets and Maximum of 512 CPU sockets

