

VMware NSX Advanced Load Balancer Deploy and Migrate Services

Migrate F5 and Citrix to VMware NSX ALB

AT A GLANCE

This service helps customers migrate from F5 LTM or Citrix ADC load balancers by offering design, deployment, and migration services to an NSX Advanced Load Balancer.

VMware Professional Services' goal is to provide an accurate and seamless migration from F5 and Citrix to the NSX ALB platform. The service is conducted jointly with your team members to enhance the learning experience during the deployment

KEY BENEFITS

- Seamless migration of existing load balancers quickly and securely
- Minimize migration impact and ensure business continuity
- Improve operational efficiency and network provisioning time
- Increase network security
- Leverage VMware Professional Services experience and best-practices to design, deploy, and migrate VMware NSX ALB solution

SKU

CON-ALB-SST-DPY29

CON-ALB-SST-DPY79

CON-ALB-SST-DPY119

Service overview

This service is designed to help you migrate from legacy F5 LTM or Citrix ADC to the robust load balancing solution VMware NSX Advanced Load Balancer (ALB). VMware Professional services will help with design, deployment, and migration following VMware best practices and alignment with customer use cases and requirements.

Services performed by VMware engineers include:

- Planning and Review of current F5/Citrix deployment
- Analyze application services to migrate, existing Load Balancing configuration, and conversion strategy
- Design NSX ALB architecture for the Load Balancing Migration
- Deploy NSX ALB following customer requirements and best practices
- Conversion and staging of apps
- Configuration, and review of converted services
- Creation and customization of application policies, profiles, traffic rules, and required configurations

Depending on the size of the customer's Load Balancing migration, we have different predefined services packages.

Part Number/SKU	Service Description
CON-ALB-SSE-DPY20	VMware Advanced Load Balancer Promotional Deploy and Migrate from F5 - <30 Service Core (REMOTE ONLY)
CON-ALB-SST-DPY79	VMware Advanced Load Balancer Promotional Deploy and Migrate from F5 - <80 Service Core (REMOTE ONLY)
CON-ALB-SST-DPY119	VMware Advanced Load Balancer Promotional Deploy and Migrate from F5 - <120 Service Core (REMOTE ONLY)

Project scope

This solution is strictly limited to the number of network components and parameter configurations as defined in the following packages:

SKU Offerings			
	CON-ALB-SSE-DPY29 Up to 29 Service Cores	CON-ALB-SSE-DPY79 Up to 79 Service Cores	CON-ALB-SSE-DPY119 Up to 119 Service Cores
Design & Deploy for Server Load Balancing	Yes	Yes	Yes
VIP / Virtual Servers	15 VIPs per Service Core		
iRules	Up to 20	Up to 40	Up to 80
Cluster Controller	1	2	3
Cloud Connector	1	2	4
Service Engine Groups	2	3	8
Service Engines	8	18	38

Out of scope

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

- Only English Speaking and non-government Customers
- Design, deployment, configuration, or migration-related work for NSX ALB (AVI) GSLB and WAF components
- Design or deployment on Openstack, Openshift, or Kubernetes platforms
- Migrations of other load balancing solutions apart from F5 LTM & Citrix Netscaler ADC
- 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 the 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 do not apply to VMware components.
- 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.
- Performance testing of the VMware NSX ALB appliance.
- Performance testing of applications deployed on to VMware NSX ALB.
- Any other tasks are not explicitly stated within this SOW.
- Application traffic cutover

Estimated Schedule

The project defined in this SOW is estimated to be for a duration of three (3) to ten (10) 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.

SKU	Length of Engagement
CON-ALB-SSE-DPY29	3 weeks
CON-ALB-SST-DPY79	6 weeks
CON-ALB-SST-DPY119	10 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.

LEARN MORE

Visit vmware.com/services.

FOR MORE INFORMATION

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

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

Appendix

Service checklist

The following Customer stakeholders are required to deliver this service:

- VMware operations team leads
- Desktop operations leads
- Network Architecture team leads
- Network Operations team leads

The following are the technical prerequisites to deliver this service:

- On-premises hardware requirements are shown in the following table:
- Service account with permissions in vCenter.
- NTP must be set up and time verified to be correct.
- Virtualized CPU capacity (GHz). Defined minimum: Enough CPU capacity must be available to deploy three (3) NSX ALB Controller Nodes and 2 Service Engines per site.
- Virtualized storage capacity (GB). Defined minimum: Enough storage capacity must be available to deploy three (3) NSX ALB Controller Nodes and 2 Service Engines per site.
- Virtualized RAM capacity (GB). Defined minimum: Enough memory capacity must be available to deploy three (3) NSX ALB Controller Nodes and 2 Service Engines per site.
- DNS must be configured and tested for forward, reverse short, and long name resolution.

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