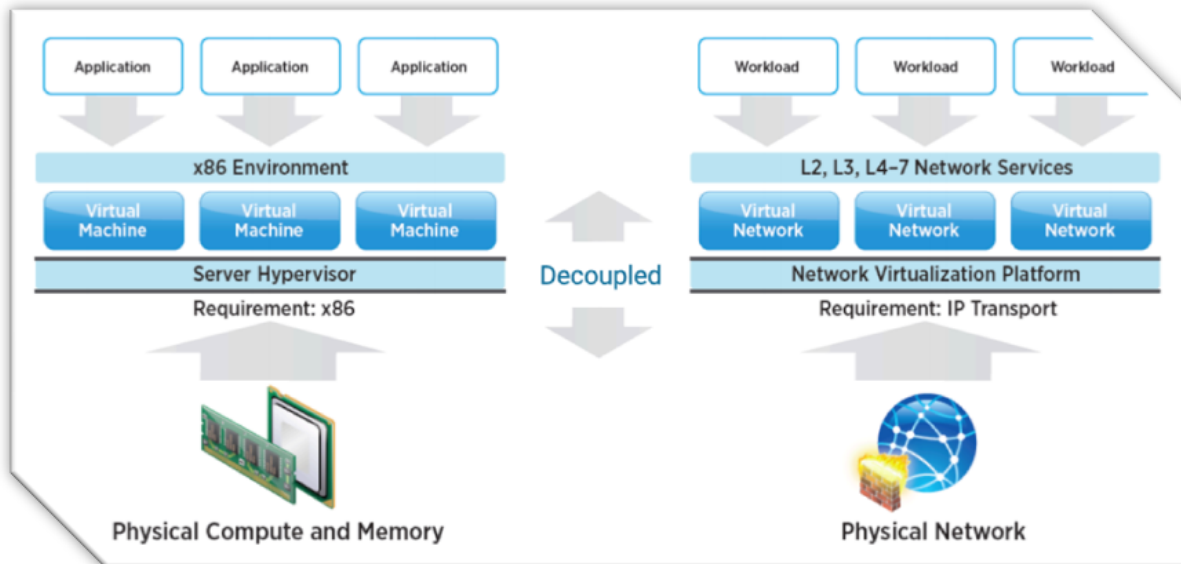SEAMLESS
ADVANCED SOLUTIONS

Why You Need the Seamless("SAS") NSX Design I Deploy Service

As vSphere Decoupled the Server from Hardware
NSX Decouples the Network.

Our NSX Network Virtualization Design and Deployment Service delivers a functioning solution using VMware NSX™ that expands the power of virtualization and automation to data center networking services. This service provides rapid deployment of virtual networking capabilities.

The NSX Readiness Check will assess the following:

- Network Virtualization

- Multi-Tenant Configuration

- Micro-segmentation

- NSX Manager

- Distributed Firewall

- Distributed Logical Routers

- Edge Gateways

- Complex Load Balancing

- vCenter NSX Configuration and Policies

- 3rd Party Integration

The NSX Design | Deploy Service will:

- Conduct information-gathering workshops.

- Validate design requirements

- Validate design constraints.

- Identify and discuss use cases.

- Conduct architecture design workshops.

- Design virtualization solution for use cases.

- Implement network virtualization design

- Validate the solution to technical plan.

- Knowledge transfer workshop

- Review Final Report

NSX Design | Deploy Service

SEAMLESS ADVANCED SOLUTIONS

VMware NSX – The Power of Virtualization

Seamless' Design and Deployment service will deliver a fully functioning solution utilizing VMware NSX™ that will expand the power of virtualization resulting in the automation of your data center networking capabilities. Seamless will also rapidly deploy this solution in order to maximize your virtual networking capabilities.

Throughout this engagement, your IT Support Team will benefit from the knowledge transfer and whiteboard discussions with the SAS Professional Services Team.

Your IT Support Team will learn VMware best practices, implementation insights, and the impact of the new environment design on performance and manageability. At the conclusion of the engagement, you will have an actionable, prioritized roadmap for a recommended deployment as well as a Final Report detailing all aspects of this solution.

About Seamless Advanced Solutions

The Seamless Professional Services Team consists of Engineers and Project Managers that hold all of the requisite VMware certifications together with Consultants and Architects that develop VMware design options with VMware best practices and methodologies to ensure consistency and the highest level of infrastructure performance.
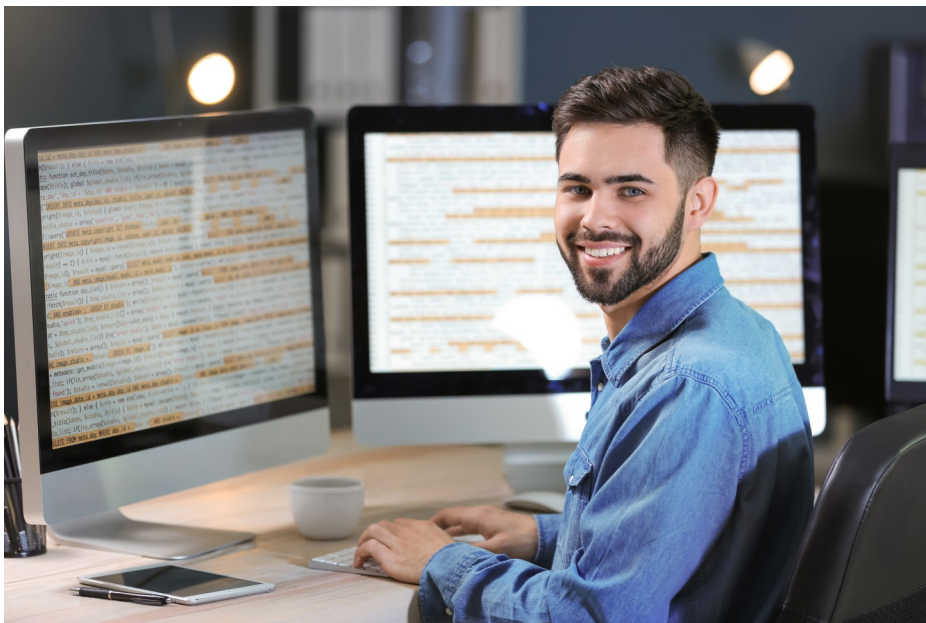
Contact Seamless Advanced Solutions:

Seamless Advanced Solutions
7786 Blankenship Dr.
Houston TX 77055

E: contactus@sas-us.com
Web: www.sas-us.com

NSX Design | Deploy Service

NSX Design|Deploy Service		
Project Initiation	**SAS**	**Client**
Hold initial meeting with client to set expectations and define the following: • Project scope and objectives. • Project timelines, scheduling, and logistics. • Identify key Customer project team members to work with the VMware team. • Identify and agree to key Customer activity completion dates. • Review the Service Checklist document and progress towards completing it. • Availability of appropriate facilities including meeting rooms, work locations, whiteboards, projectors, special access needs, any other pertinent information needed prior to VMware arriving onsite. • Prerequisites and other preparation required before the project kickoff.	✓	
NSX Capabilities discussion - Whiteboard session do discuss capabilities and how these capabilities meet business goals as well as how they fit into the Client infrastructure	✓	
Assess		
Review the hardware and software infrastructure for the deployment.	✓	
Discuss use cases to be deployed. (Micro Segmentation)	✓	
Review and document requirements aligned to the use cases selected.	✓	
Discuss details of the mutually agreed upon use cases.	✓	
Review and capture the technical requirements impacting the solution.	✓	
Review configuration information regarding network architecture, infrastructure services, server hardware specifications, and other relevant infrastructure components.	✓	
Define success criteria and draft test plan.	✓	
Design		
Develop a design based on selected use cases and data gathered in the assess phase	✓	
Define validation test cases and expected results.	✓	
Document the validation test cases and expected results	✓	
Validate documented test cases and expected results	✓	
Deploy and Validate		
Validate infrastructure for deployment, including infrastructure servers (such as PXE, DNS, and NTP), automation scripts, and download of all required software.	✓	
Deploy NSX for vSphere components.	✓	
Complete base configuration for NSX components	✓	
Validate base functionality of NSX components	✓	
Implement configuration to achieve technical design phase objectives	✓	
Execute test cases to validate the design	✓	
Validation review – Review environment and discuss testing results	✓	
Make modifications as determined through validation	✓	
Execute test cases to validate design modification	✓	
Develop and finalize Architectural Design Document	✓	
Knowledge Transfer and Closeout		
Best practices for deployed NSX infrastructure components	✓	
NSX Login Call networks and security	✓	
Backup, restore, and upgrade of the deployed solution	✓	
Engagement review	✓	

NSX Design | Deploy Service

SEAMLESS ADVANCED SOLUTIONS

Assumptions	SAS	Client
The Client to provide access to the Clients engineering team to collect information on current configuration, and define any business requirements that will impact the project		✓
The Client to provide copy of all documentation (physical, standards, configuration etc.) relating to the network configuration		✓
The Client to provide OTS engineering staff required access levels to all relevant equipment in the environment		✓
The Client to provide access to the Clients engineering team to answer questions on application topologies		✓
The Client to provide access to the client engineering to collect any current logical and physical configurations		✓
The client is responsible for, and assumes any risk associated with any problems resulting from the content, completeness, accuracy and consistency of any data, materials and information supplied by the Client.		✓
The Client will provide a suitable environment for knowledge transfer session(s) (overhead projector and conference facilities).		✓
The Client will be solely responsible for procuring product support for all software to be used in connection with this SOW. Such product support will be in place and available no later than when VMware consultants first arrive on site.		✓
The Client is responsible for the design and implementation of all infrastructure necessary to support the deployment of VMware NSX including vSphere, physical infrastructure, migration of workloads to the new environments, requisite physical network architecture and implementation changes, virtual machine workloads for testing and production, and the like.		✓
The Client to provide a central point of contact to work with VMware project team as well as technical domain experts on an as-needed basis, and the central point of contact can speak on the behalf of application and line of business owners.		✓
The client will provide a management cluster consisting of: - Minimum 2 hosts on dedicated vLAN - Platform services controller (for SSO) - Not embedded with another vCenter - New vCenter serve		✓
The client will provide an Edge Cluster consisting of: - Minimum 3 hosts - New vCenter server - Platform services controller - not embedded with another vCenter - Non production - DRS with anti-affinity rules - HA enabled		✓

The client will provide a Payload cluster consisting of:
 - Minimum 2 hosts
 - Non production
  -DRS required
  - HA optional
- Workloads will be migrated from production to the payload cluster
		✓

The client will provide at least 2x Northbound physical routers - Support OSPF at BGP		✓
The client will assure minimum ESX version of 6.0		✓
The client will provide at a minimum VMware NSX Advanced licensing		✓