

## NSX-T Deployment

**Foundational VMware NSX-T Data Center deployment. This includes the preparation work, NSX Manager Cluster deployment, the hypervisor hosts (ESXi or KVM) configuration as transport nodes and the functional testing of deployed components.**

### Why/Outcome

This service is meant for customers that are looking for assistance to define, analyze, implement and validate the security for a defined number of applications within the virtual infrastructure using a best practice security policy framework with the VMware NSX distributed firewall. Requirements gathering will be conducted through application or technical-lead interviews, but also using technical tools such as VMware Realize Network Insight and VMware Log Insight to identify and confirm flows between the various elements which constitute the target applications (VMs, logical ports, IP addresses, and MAC addresses).

We will deploy a network virtualization solution in the customer environment, based on NSX-T Data Center and according to a VMware standard architecture. The service includes technical verification of platform prerequisites, the deployment of network virtualization using NSX-T Data Center, functional testing and a knowledge transfer session for the customer.

### Logging and monitoring:

With this solution, the customer will be able to extract direct logging output to a pre-installed Syslog target (designated by the customer) such as VMware vRealize Log Insight.

### Role-Based Access Control

We will integrate the NSX-T to VMware Identity Manager and configure role-based access control (RBAC) for users that vIDM manages. If absent from the

environment, a VMware Identity Manager standalone appliance with an embedded database will be deployed.

### Compute Manager

One vCenter Server system will be configured as the compute manager. NSX-T Data Center polls compute managers to collect cluster information from vCenter Server installations.

### Products included in this offering

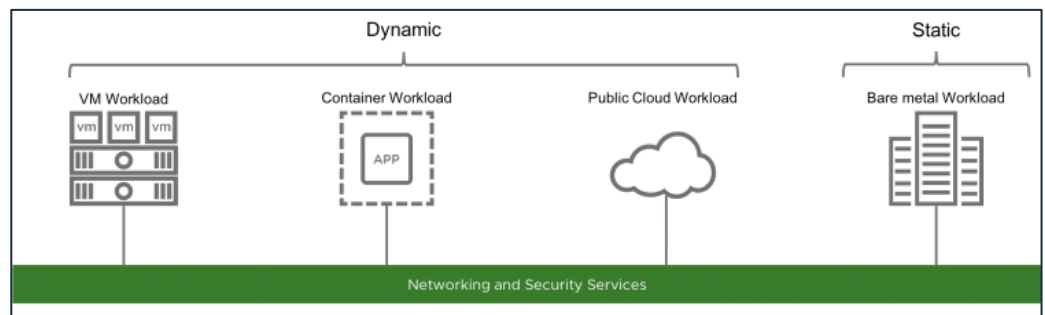
- VMware NSX-T Datacenter
- VMware vRealize Log Insight
- VMware Identity Manager

### High level project timeline

- 10+ weeks

### High level services provided

- Deployment of a network virtualization foundation
- Deployment of application security and isolation foundation
- Getting started with application security and isolation
- Leverage distributed firewall to protect digital workspace management components
- Leverage virtual networking for network load balancing
- Provide zero-trust application security and isolation
- Optional: Design a network virtualization foundation



### Onsite and remote operations

- Deploy a network virtualization foundation
- Deploy an application security and isolation foundation
- Get started with application security and isolation
- Leverage distributed firewall to protect digital workspace management components
- Leverage virtual networking for network load balancing
- Provide zero-trust application security and isolation
- Optional: Design a network virtualization foundation

### Additional options

#### Design a network virtualization foundation

Design of a network virtualization solution based on NSX-T Data Center according to a VMware standard architecture that is modified in a series of design workshops to tailor the design for the customer environment. It includes validation of customer's business and technical requirements, assessment of platform constraints, risks and prerequisites to design the network virtualization solution.

#### Specification:

- Up to two NSX Edge Nodes designed.
- One NSX-T Tier-0 gateway designed to process traffic between the logical and physical networks using static or dynamic routing (BGP) peering.
- One NSX-T Tier-1 gateway designed to connect to one Tier-0 gateway for northbound connectivity and one or more overlay networks for southbound connectivity.
- Up to ten Transport nodes (ESXi, KVM or bare-metal) designed to participate in NSX-T overlay or VLAN networking.

### Get in touch!

Please do not hesitate to call and inquire about any of those features or ways to customize this offering:

+49 251 703839 0 or send us an email to [info@comdivision.com](mailto:info@comdivision.com)

"The comdivision group – founded in 1996 – provides outcome-oriented IT strategy consulting and implementation support in DACH and the USA. The comdivision group was the first partner in EMEA to achieve all 5 VMware Master Service Competencies and was recognized as a Professional Services Partner in 2019. Most of the architecture and consulting team – including two VMware Certified Design Experts (VCDX) – are also VMware Certified Instructors (VCI), so you have the peace of mind to be taken along through each step of the way, preparing you for successful Day 2 operations. If you need assistance beyond that, ask for our cd:knowledge product, an expert-on-demand service that gives you up to 24/7 access to our specialists."

