Overview

Network virtualization helps you achieve better efficiencies, more rapid workload provisioning and increased workload security as you deploy cloud and software-defined data center strategies. VMware’s portfolio of Network Virtualization and Security Services enables you to rapidly deploy, test, validate and learn VMware’s network virtualization and security technologies purpose-built for your key use cases.

SERVICE BENEFITS:

• Plan, design, build and test network virtualization capabilities in any deployment environment
• Learn how to evolve and transform from your current operational capabilities to operating a virtualization networking environment that enables the NaaS vision
• Learn how to enable granular, dynamic control over security policies
• Deploy network virtualization utilizing best practices while ensuring IT and staffing readiness
• Provide centrally managed distributed security policies
• Rapidly deploy the full suite of Network Virtualization services including Logical Switching, Distributed Routing, Distributed Firewalling, Micro-Segmentation Security, VPN, NAT, plus more.

DIFFERENTIATORS:

• Expertise that encompasses the VMware solutions portfolio — NSX, vRealize Suite, Virtual SAN, vCloud Air, vSphere, End-user computing and more
• Structured engagement delivery approach, based on proven, repeatable, reliable methodologies
• Solutions validated against VMware best practices

METHODOLOGY

Phase 1: Planning
Phase 2: Kickoff
Phase 3: Solution Overview
Phase 4: Assess
Phase 5: Design
Phase 6: Deploy
Phase 7: Validate
Phase 8: Knowledge Transfer
Phase 9: Conclusion
OPERATIONS, PEOPLE, PROCESS

Understand the journey to the Network-as-a-Service operating model from both an operational and organizational standpoint. With Operations Transformation services you gain an understanding of the concepts of a new IT operating model and why network and security should be part of it. The Envisioning Workshop focuses on the role of NaaS in the IT-as-a-Service operating model, and how a NaaS model can help the customer achieve specific IT outcomes. The Discovery Workshop focuses on identifying key operational capabilities within three main areas: Proactive Operations Management, Network and Security Service Provisioning, and Security Operations. (Workshops applicable to Network Virtualization Design and Deploy Service only)

OUTCOMES

VMware Network Virtualization and Security Services deliver a functioning solution using VMware NSX™ for vSphere®, that expands the power of virtualization and automation to data center networking services. This service provides rapid deployment of virtual networking capabilities in a customer environment.

At the conclusion of the engagement, VMware consultants will provide the agreed deliverables. The resulting deployment from this engagement is an operational software-defined network environment at the customer site.

Key Outcomes

• Rapid Deployment Delivery - Achieve the business benefits of network virtualization faster.
• Better Security - Implement micro-segmentation / tenant segmentation and security with distributed firewall architecture
  - Automated security and network services that follow the workloads
  - Deliver centrally managed distributed security containers which significantly expand the security within the virtual data center
• Reduced OpEx
• Reduced CapEx
• Higher Availability

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<tr>
<th>SERVICE NAME</th>
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<tr>
<td>Micro-segmentation and Security</td>
<td>Non-production implementation of micro-segmentation and security</td>
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<td>Accelerator</td>
<td>capability within a customer test environment.</td>
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<td>Network Virtualization Accelerator</td>
<td>Rapid deployment of virtual networking capabilities in a limited,</td>
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<td>non-production environment suitable for deploying development / test</td>
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<td>and non-production workloads on a limited scale.</td>
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<td>Design and Deploy</td>
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SERVICES PORTFOLIO

The VMware Network Virtualization and Security services portfolio includes the choice of four (4) offerings:

1. **Micro-Segmentation and Security Accelerator (Non-Production)**
   
   **Key Activities:**
   - Planning and solution design workshop that identifies technical requirements
   - Deploy components in a prescriptive design
   - Demonstration of traffic blocking/passing for a sample three-tier application
   - Knowledge transfer on the implemented solution

2. **Network Virtualization Accelerator (Non-Production)**
   
   **Key Activities:**
   - Planning and solution design workshop that identifies use cases and technical requirements
   - Deploy components in a non-production environment
   - Validate solution against use cases
   - Conduct a knowledge transfer session

3. **Micro-Segmentation Design and Deploy (pre-production/production)**
   
   **Key Activities:**
   - Adapt existing security and firewall policies to provide dynamic control over guest network communication profiles.
   - Firewall rule optimization and strategy
   - Configuration of logging and monitoring
   - Knowledge transfer around enablement of security automation via NSX service composer

4. **Network Virtualization Design and Deploy (pre-production/production)**
   
   **Key Activities:**
   - Review capabilities of NSX for vSphere, gap analysis, use case selection
   - Conduct Architecture Design and Network-as-a-Service Transformation Workshops
   - Create test and deployment plans
   - Install, configure, and validate solution according to the design
   - Deliver knowledge transfer session

For more information about VMware Professional Services visit: [www.vmware.com/services](http://www.vmware.com/services)