TOP 10 NETWORKING & SECURITY SESSIONS

VMWORLD 2017 | LAS VEGAS

NSX Everywhere: The Network Bridge for On-Premises, Private, and Native Public Clouds

Guido Appenzeller, VMware | NET3236SU
Monday, Aug 28, 4:00 p.m. - 5:00 p.m.

Networking is undergoing fundamental change to support tomorrow's application infrastructures, hosted across hypervisors and living partly on premises and partly across multiple public clouds, joining both traditional and third platform architectures.

In this session, we will look into how to connect, manage, and gain visibility into your cloud networks using VMware NSX and VMware vRealize Network Insight. We will demonstrate these NSX capabilities for on-premises VMware Cloud on AWS as well as native AWS.

Join NSX Chief Technology Strategy Officer Guido Appenzeller to see how NSX delivers network virtualization capabilities today with NSX as a bridge connecting public clouds and containers and delivered as a service.

🔍 SPOTLIGHT SESSION

Transforming Networking and Security for the Digital Era

Milin Desai, Tom Corn, Pere Monclus, VMware | TS7003KU
Tuesday, Aug 29, 12:30 p.m. - 1:30 p.m.

Companies today depend on the applications and the data used to redefine their industry and fundamentally their business models. Networking and security needs to be focused on the application and independent of the underlying infrastructure. This allows security capabilities to be wrapped around the VM, container, or microservices across heterogeneous endpoints and across cloud silos for the lifecycle of the application – no matter how brief. The network becomes the fabric that brings together the platform in a secure, highly available, and automated experience that is consistent from the data center to the edge – but it has to be delivered both as software and an open platform for innovation. Join this showcase to hear from networking and security leaders as well as customers on how VMware enables a network virtualization and security platform for the enterprise that helps customers make the transition to the digital era.

⭐ SHOWCASE KEYNOTE

Why Networking Is at the Heart of Digital Transformation

Bruce Davie, VMware | NET3235SU
Monday, Aug 28, 1:00 p.m. - 2:00 p.m.

Digital transformation has become a top priority for many enterprises, enabled by new types of infrastructure (e.g., public clouds) and new ways to build applications (e.g., microservices). Meeting the business needs for transformation requires rapid deployment of applications, and lines of business must be free to choose the application architectures and infrastructure that best suit their needs.

This focus on transformation requires a complete rethink of enterprise networking. It is no longer feasible to approach networking as a problem of provisioning devices inside the corporate data center. This talk will show how IT and developers can leverage VMware NSX to treat networking infrastructure as code, achieving agility through an API-driven approach, and supporting the heterogeneity required by both existing and new applications.

Use Virtualization to Secure Application Infrastructure

Tom Corn, VMware | SAI3237SU
Monday, Aug 28, 11:00 a.m. - 12:00 p.m.

The biggest obstacle in security may well be an architectural gap between the apps and data we must protect and the infrastructure in which we place controls. The cloud presents an opportunity to architect in security rather than bolt it on. The question is no longer "How do I secure the cloud?" but rather "How can I leverage the unique properties of the cloud to transform security?" Micro-segmentation opened the door, enabling us to see and control the infrastructure through the lens of the application to prevent security breaches. This application-centric approach is now being extended up the stack to detect anomalies in applications and execute automated responses to threats.

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Container Networking with NSX-T Overview

Sai Chaitanya, Yves Fauser, VMware | NET1521GU
Monday, Aug 28, 1:00 p.m. - 2:00 p.m.

Bringing container-as-a-service (CaaS) and platform-as-a-service (PaaS) into production in enterprise environments involves solving multiple challenges on the network connectivity and network security side. How do you get the needed visibility into the network constructs used by container orchestration clusters? How do you enforce fine-grained, per-container micro-segmentation firewall policies? How do you route and load balance traffic in and out of container networks? After an introduction to container orchestration within Docker, Kubernetes, Cloud Foundry, and Mesos, we will dive into the network challenges in these systems and explain and demonstrate how VMware NSX-T can be used to bring CaaS and PaaS into production, solving the network challenges with containers.

The NSX Practical Path

Nikhil Kelshikar, Ron Fuller, VMware | NET3282BU
Monday, Aug 28, 2:30 p.m. - 3:30 p.m.

This session will showcase how customers are using NSX today. We will highlight some of the use cases around security, automation and app continuity with DEMOS. Attendees will see how NSX can be used to transform automation for devops whether in a container / PaaS environment. We will highlight how you can on-board apps on-prem or in the cloud. If you want to see the journey of NSX and a glimpse into what you can do in the near future this session will bring it to life.

The Future of Networking and Security with NSX-T

Bruce Davie, VMware | NET1821BU
Tuesday, Aug 29, 11:30 a.m. - 12:30 p.m.

Network virtualization with NSX is achieving widespread adoption. The majority of today's deployments are in vSphere environments, but a more heterogeneous world is coming. As developers embrace new technologies like containers, and the percentage of workloads running in public clouds increases, network virtualization must expand to offer a full range of networking and security services in these environments. NSX-T was launched this year to address these modern environments. This talk provides a deep dive into the architecture and capabilities of NSX-T. We'll show how to address container workloads and integrate with frameworks like kubernetes. We'll also cover cross-cloud networking and security capabilities that allow consistent networking policies across any cloud, public or private. Prior knowledge of network virtualization required.

When Clouds Collide, Lightning Strikes

Chris McCain, VMware | NET1089BU
Wednesday, Aug 30, 1:00 p.m. - 2:00 p.m.

The landscape of IT infrastructure is changing drastically as the private & public clouds collide into seamless infrastructure. New partnerships between VMware & public cloud providers are creating opportunities for companies to be more agile, efficient, & scalable than ever before. This collision is an opportunity for IT professional to capture lightning in a bottle by learning new skills that will keep them on the forefront of the changing data center architecture. IT professionals, like the organizations they work for, need to adopt growth mindsets that take challenges head on, embrace new technologies, & let go of the fixed mindset of old data center methods. The success of new data center strategies hinges on the ability of IT organizations to realize the value of new tools, automated processes & a more unified workforce.

Introduction to VMware NSX

Matt De Vincentis, VMware | NET1152BU
Monday, Aug 28, 4:00 p.m. - 5:00 p.m.

VMware NSX is the network and security virtualization platform for the software-defined data center. In this session, we will discuss the need for network virtualization and the problems that NSX solves, provide an overview of the key use cases, and introduce you to the rich NSX partner ecosystem. This is a high-level session to prime you on NSX and point you to other NSX sessions that dive deeper.

Application Security Reviews Made Easy with VMware's Latest Security Solution

Chris Corde, VMware | SAI2895BU
Tuesday, Aug 29, 4:00 p.m. - 5:00 p.m.

As more businesses embrace agile DevOps models of application development, the problem of implementing security at the speed of the business is exacerbated - security is often seen as an obstacle to progress.

This session will introduce VMware's newest security product (which we will be announcing at VMworld 2017), focused on closing the gap between DevOps and security by embedding threat detection and response directly into the virtualization layer of the environment. By doing this we can flip the security model from trying to find indicators of malicious behavior to a model that continuously validates good behavior, producing more accurate threat alerts and enabling automated response.

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NSX Everywhere: The Network Bridge for On-Premises, Private, and Native Public Clouds

Guido Appenzeller, VMware | NET3236SE
Tuesday, Sep 12, 12:30 p.m. - 1:30 p.m.

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Flip the Data Center Security Model with VMware's Latest Security Product

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Transforming Networking and Security for the Digital Era

Milin Desai, Tom Corn, Pere Monclus, VMware | TS7003KE
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When Clouds Collide, Lightning Strikes

Chris McCain, VMware | NET1089BE
Thursday, Sep 14, 10:30 a.m. - 11:30 a.m.

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NSX Features Deep Dive

Nick Furman, Catherine Fan, VMware | NET3283BE
Tuesday, Sep 12, 5:00 p.m. - 6:00 p.m.

If you want to understand what features are in NSX-V and how they all come together to enable the virtualized network this is the session for you. We will walk through the components of NSX and understand how the main features work. We will show you demos to highlight some of the important areas and give you a good understanding of how NSX works.

The Future of Networking and Security with NSX-T

Bruce Davie, VMware | NET1821BE
Wednesday, Sep 13, 2:00 p.m. - 3:00 p.m.

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