

Arkin Visibility and Operations Platform

Security and Network Visibility Across Virtual and Physical

Solutions Brief

Highlights

- Real-time Visibility and Analytics for your VMware NSX™ Infrastructure
- Micro-Segmentation Planning and Distributed Firewall Operations
- Application Connectivity and Performance Optimization across Overlay and Underlay
- Google Search-like Interface and Consumer-class Sharing for your SDDC

VMware and Arkin – Delivering Advanced Operations for Software-Defined Datacenter

As organizations adopt a software-defined datacenter strategy and virtualize their networks and firewalls with VMware NSX™, operational visibility across both the virtual and physical layers is paramount. Operations teams need to fully understand the cross-domain impact of their actions (compute to network to security) and adopt a converged operations model that ties together these domains.

Arkin and VMware are working together to provide a modern operations approach aligned with next generation security and networking. Arkin operations model brings unprecedented cross-domain visibility across the virtual and physical layers, enables organizations to stay in compliance of their security policies and enhances collaboration across various functions.

Next-Gen Infrastructure Deserves Next-Gen Operations

Network and Security virtualization has set a new standard in enabling faster network service provisioning, better security and simplified operations. To realize these breakthrough benefits, organizations need to transform their operations model and tools. Companies deploying virtual networks need end-to-end operations spanning their virtual and underlying physical networks. Further, the relationship of virtual networks to the compute layer needs to be transparent. Distributed firewalls abstract out and decouple security into management, control and data planes. These planes need to be consistent and secure. Granular visibility of applications is needed to realize the full benefits of NSX micro-segmentation. Existing operations tools are focused on physical infrastructure and are unable to handle the nuances and scale requirements of SDDC architectures.

Arkin – Purpose Built for VMware NSX™ based SDDC

Arkin Visibility and Operations Platform is designed specifically to enable NSX to seamlessly co-exist with the physical infrastructure. Arkin has out-of-box integrations with virtualization (ex: VMware vCenter, VMware NSX, Palo Alto Virtual Firewall) as well as physical infrastructure components (physical chassis, switches and routers), providing end to end visibility and analytics. The Arkin platform is built on a modern web-scale architecture and provides a Consumer-class user experience.

Benefits and Features

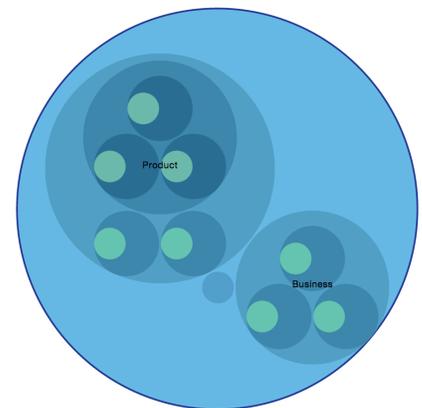
Arkin Visibility and Operations platform enables users to get a micro-segmented view of their application, and operate VXLANs and distributed firewalls at scale. Organizations can thus monitor and ensure a consistent security posture across their networking and application infrastructures.

Easy On-Ramp To Micro-segmentation



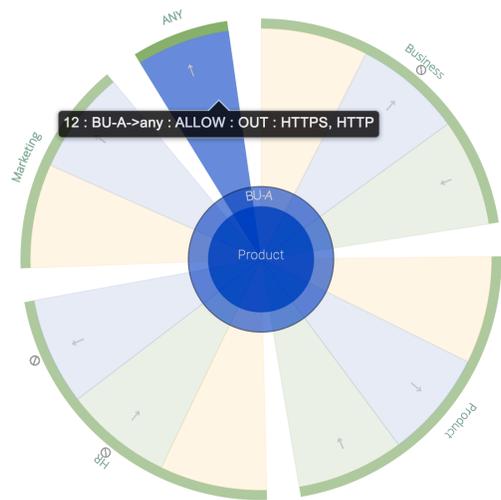
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Users can get deep visibility into the inter and intra Application interaction patterns encompassing inside, outside, Internet, east-west, north-south, and hairpin traffic. This micro-segmented security model can then be easily mapped to and implemented in NSX. Arkin makes it easier to deploy NSX based security and micro-segmented at scale.



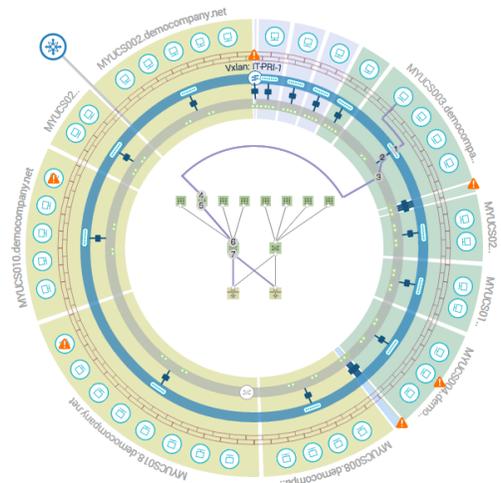
Distributed Firewall and Security Operations

With Arkin Assured Security Model, you can stay proactive and ensure a compliant security posture. Arkin platform monitors for consistency between management, control and data planes of NSX distributed firewall and proactively alerts upon any failure condition. Using the Arkin platform, users can create policies in the form of plain English Search and set alerts on policy violations. Arkin monitors and analyzes changes in security groups, virtual machines and firewall rules and the relationship between them, providing users with audit and compliance capabilities. With Arkin, Organizations can ensure that the security they designed for is indeed the security they are getting at runtime.



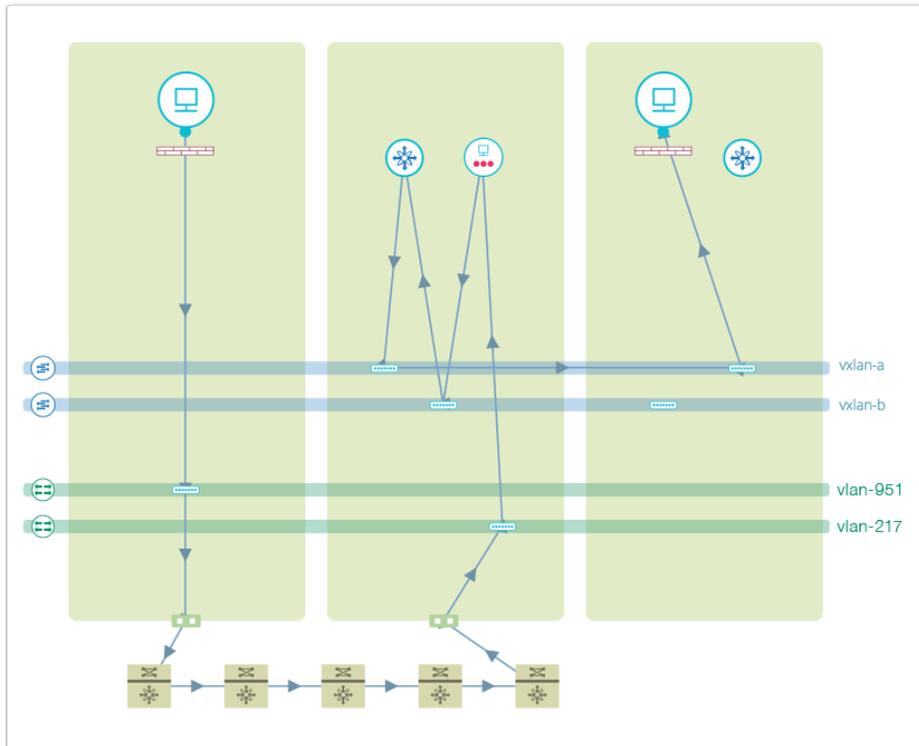
VXLAN Visibility, Troubleshooting, Optimization

With Arkin, you can get a 360 degree view of your VXLAN from a compute, network and security perspective. Arkin correlates the overlay to underlay and provides deep visibility and contextual analytics across the logical and physical layers of the network. Hairy networking problems such as MTU inconsistency, VTEP connectivity and other routing issues, spread across multiple layers and requiring hours to solve can now be instantly resolved using the Arkin platform. Arkin ensures continuous application availability and high uptime of your SDDC environment.



Application and Network Connectivity and Performance Optimization

Arkin bridges the gap between virtual and physical through cross-cutting visibility that spans NSX overlay and Physical underlay. With Arkin, you can get deep visibility into the multiple tiers of your application, the end to end paths between them, their performance state and connectivity graphs.



Arkin Analytics identifies problems and overlays it on the topology, thus making troubleshooting extremely fast and easy. Since users can see all the virtual as well as physical hops on the path between two machines in a single view, Arkin helps design and optimize the overlay-underlay architecture.

Arkin and VMware are working together to accelerate the adoption of the software defined data center with datacenter-wide simplified operations, unprecedented visibility across the virtual and physical networks and security that scales with users and applications.

About Arkin

Arkin removes barriers to software-defined data center (SDDC) adoption by providing a radically simple and collaborative approach to Operations. With a Google Search-like experience, the Arkin platform is an industry first operations platform for converged infrastructure and software-defined data centers. Organizations have deployed Arkin to get deep visibility across virtual and physical, strengthen security, maximize utilization and improve performance while collaborating better. Based in Mountain View, CA, Arkin was founded by Virtualization and Big Data Experts. For more information, visit www.arkin.net or follow us at [@arkinnet](https://twitter.com/arkinnet).