

Hillstone Networks and VMware Joint Solution

# Hillstone Networks CloudHive and VMware NSX

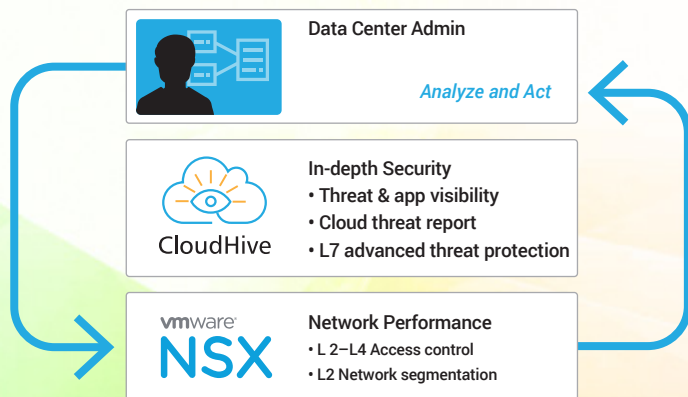
## Advanced Threat Prevention for the Software-Defined Data Center

### The Challenges

VMware’s software-defined data center (SDDC) extends virtualization technology to all data center resources and services. Components of the SDDC architecture can be deployed together or in part to drive pooling and automation of resources and services for efficiencies at scale, at a lower total cost of ownership.

While virtualization delivers on scale and cost, in many virtualized or cloud deployments, security remains the biggest concern. Specific to SDDC, the following questions arise:

- Abstracting resources comes with a layer of management overhead; will each virtual machine or tenant be managed individually?
- Will there be visibility into East-West traffic within the virtual network?
- Servers can be provisioned at speed, will security be able to keep up?



“We are pleased that Hillstone CloudHive qualifies for the VMware Ready™ logo, signifying to customers that it has met specific VMware interoperability standards and works effectively with VMware cloud infrastructure. This signifies to customers that CloudHive can be deployed in production environments with confidence and can speed time to value within customer environments.”

Kristen Edwards, director,  
Technology Alliance Partner  
Program, VMware.

### The CloudHive & NSX Joint Solution

Hillstone Networks ensures that security is addressed with Hillstone Networks CloudHive tightly integrated with VMware NSX. CloudHive, running with VMware NSX, couples the benefits of server virtualization with network security, delivering the following benefits:

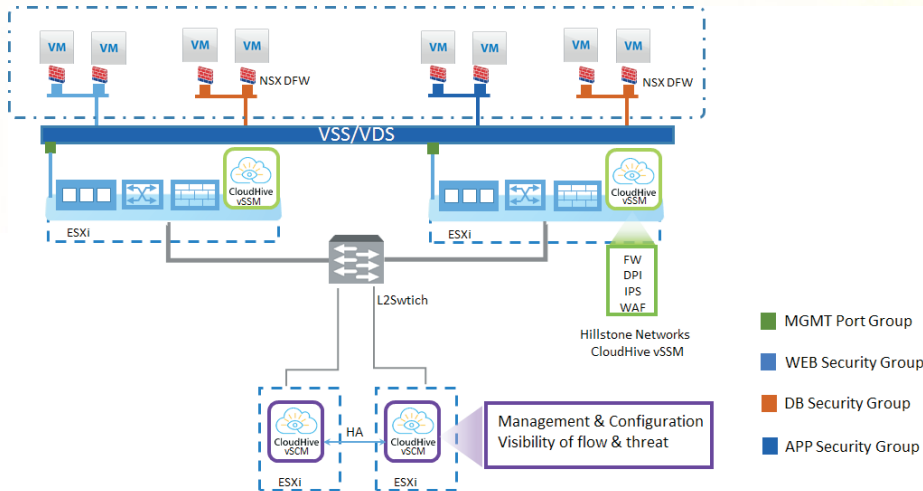
- Fully automated advanced threat protection for both north-south and east-west traffic inside the data center and to the cloud.
- Comprehensive threat visibility across all data center traffic, from the virtual network to the applications.
- Security scaled effortlessly through active orchestration to ensure productivity and efficiency.



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Virtualized security is not equal to security virtualization. Compared to traditional physical networks, a virtualized environment has different security requirements. Therefore, security providers should understand the features of cloud platforms and requirements of the business first, before architecting and delivering a security solution for the virtualized environment. The greatest advantage of CloudHive is the concept of an added layer of security in setting the virtual machine and the network as protected objects, based on traditional network and security zones.

### How it Works



In VMware vSphere environments, enterprises can use the network introspection feature of NSX as a cost-effective solution to address stringent security demands. In addition, micro-segmentation becomes critical because two-layer network deployment is popular in this kind of network environment. By providing a complete set of micro-segmentation features, network traffic flow visibility, and NGFW functions, Hillstone CloudHive serves as a perfect micro-segmentation solution for virtual machines with the help of NSX's traffic redirection feature.

### Summary

The deep integration between CloudHive and VMware NSX addresses the challenges faced in deploying secure SDDC solutions in today's dynamic data centers against the backdrop of cyber threats faced by businesses everywhere. Customers can now reap the full benefits of a true software defined data center, without compromising security.

### Use Cases

The integration of CloudHive with NSX addresses a critical gap in virtualized environments – protecting virtual assets from advanced threats. Now, enterprise customers with NSX infrastructures can fully reap the benefits of virtualized environments with peace of mind.

### Get a free trial or online demo

<https://www.hillstonenet.com/demo>  
-request to experience the benefits firsthand.

### See Our Solutions in the VMware Solution Exchange

<https://marketplace.vmware.com/vsx/solutions/cloudhive>