

SKYBOX SECURITY AND TWISTLOCK

CONTAINER SECURITY MANAGEMENT THROUGH VISIBILITY AND CONTEXT

Technical Brief

In order to block attacks, traditional cybersecurity requires security teams to manually create policies for software applications, and to rely on tools that attempt to catalog and identify every known threat. However, in the cloud era, software is delivered faster than ever before, and infrastructure has evolved dramatically over recent years. Due to these changes, full-stack, full-life cycle container and cloud-native security have come into play, signaling the future of cybersecurity.

While the scalability and flexibility of the cloud is a business driver, security teams struggle to gain visibility of network infrastructure. Connectivity, applied policies and vulnerabilities in these complex, dynamic networks can remain a mystery putting organizations at unknown risk.

Customers of Skybox® Security and Twistlock can easily gain the needed visibility to containers in their network along with other asset types for a single, holistic view of the hybrid environment. Through the integration, Skybox ingests container information collected by Twistlock, building it into a model that encompasses network infrastructure and assets from clouds, on-prem and even operational technology (OT) environments, as well as vulnerabilities.



Total visibility.
Focused Protection.™



Hybrid Environment, Centralized Solution

Skybox extends security management capabilities and processes to the cloud, providing visibility of all assets include containers. Using comprehensive network modeling, Skybox gives security teams seamless visibility across on-prem, virtual and multi-cloud networks to:

- Consistently apply security policies throughout your organization
- Analyze paths between and within networks
- Identify vulnerabilities in virtual and cloud environments and accurately prioritize remediation

Twistlock combines powerful vulnerability detection with always up-to-date knowledge of an organization's runtime deployments to prioritize risks in the unique environment. With Skybox, this robust information is incorporated into the larger vulnerability management process that covers the entire hybrid environment. Skybox gives organizations a centralized solution to view vulnerability data and analysis, get a clear understanding of risk and plan remediation with intelligence.

Combined, Skybox and Twistlock give organizations the visibility and control needed to improve interoperability between networks and deploy workloads in the cloud securely and efficiently.

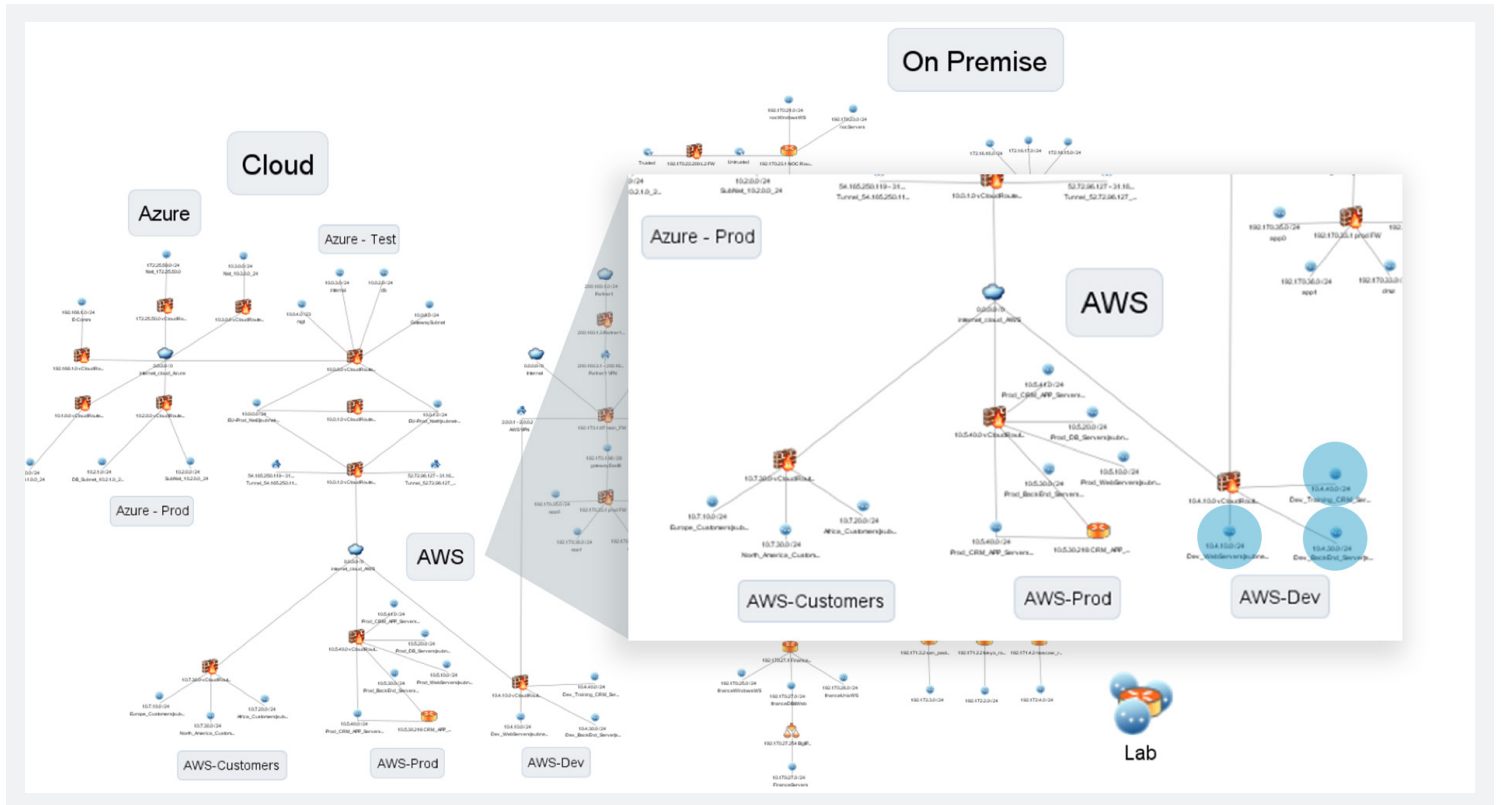


FIG 1: This example of the Skybox model shows Twistlock containers in an AWS cloud. The location of the containers is represented in the blue-highlighted areas.



Risk-Based Vulnerability Management for Hybrid Networks

One piece of data passed from Twistlock to Skybox is vulnerability occurrences on containers. Skybox is able to analyze their vulnerability occurrences based on severity, business groups, exploits in the wild and other factors. Because vulnerability occurrences are incorporated in the Skybox model, Skybox is also able to analyze for vulnerable assets exposed to attack paths from a threat origin. Business-critical, exposed assets with an exploitable occurrence are made top remediation priorities.

Skybox's prioritization engine considers all occurrences in the hybrid environment. Vulnerability occurrences collected from third-party sources are merged with Skybox's own scanless vulnerability assessment results for a comprehensive and centralized list. This list ensures remediation priorities are based on accurate, complete data, and it gives security teams a clear understanding of risk no matter where it originates.

Better Together

The combination of Skybox and Twistlock improves visibility of containers in the cloud and simplifies security management of hybrid environments. Skybox uses the context of your network, assets and business as well as current threat intelligence to accurately determine risk and focus remediation where it matters most. By bringing in container instance and image data from Twistlock's security solution into the Skybox model, users have full visibility of their hybrid network assets for efficient vulnerability prioritization.

About Skybox Security

Skybox provides the industry's broadest cybersecurity management platform to address security challenges within large, complex networks. By integrating with 130 networking and security technologies, the Skybox[®] Security Suite gives comprehensive attack surface visibility and the context needed for informed action. Our analytics, automation and intelligence improve the efficiency and performance of security operations in vulnerability and threat management and firewall and security policy management for the world's largest organizations.

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