![Skybox Security logo](SKYBOX SECURITY)

Product Brief

Vulnerability Control

Build a mature vulnerability program
and zero in on what matters

The modern cybersecurity battlefield is fraught with many
landmines. While companies accelerate cloud adoption and secure
a newly distributed workforce, the volume and complexity of
vulnerabilities have also increased. Capitalizing on these changes,
attackers have successfully staged more sophisticated attacks.

The attack surface has also become more complex. In 2020,
OT vulnerabilities increased by 30% while correspondingly, IIOT
vulnerabilities jumped by over 300%[1]. To gain control, organizations
must:

+ Visualize their entire attack surface across IT/OT, datacenter,
  campus and cloud environments

+ Understand which vulnerabilities are exposed and susceptible
  to immediate and imminent attack

+ Utilize a combination of scan-less and scanning technology
  to ensure full coverage of the environment, while minimizing
  business disruption

+ Relentlessly and consistently capture and update vulnerability
  repositories for an accurate view of their risk posture.

With Skybox Vulnerability Control, you can get the full context
of your attack surface across the network, cloud and security
infrastructure. You can find where you are exposed to cyber-
attacks, quantify the risks of exploitation, prioritize vulnerabilities
and provide optimal remediation options to reduce the highest
levels of risk.

"We can drive operations to
mitigate only the most critical
vulnerabilities — the ones that
require immediate attention.

It's vitally important that
the agency be able to view
risk from an operational and
business perspective, and
we needed to know if low or
medium vulnerabilities were
actually creating more risk
than the agency had intended
to accept."

**— Program manager,
USAID ISSO team**

[1]Vulnerability and Threat Report,
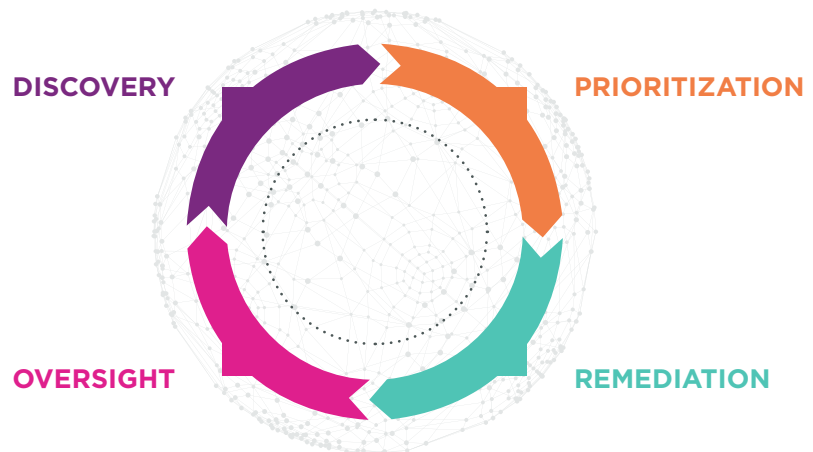Skybox Security, February 2021

Think differently about vulnerability management

While scanners are an integral part of strong vulnerability program, scanner deployments typically provide partial and infrequent coverage of the organization's entire threat landscape, including IT, OT and cloud. Additionally, traditional methods of prioritizing vulnerabilities for patching over time fail to provide immediate remediation. Alternative methods to sealing off and resolving high risk vulnerabilities must be considered.

The Skybox Vulnerability and Threat Management solution includes Vulnerability Control and daily feeds from Skybox Threat Intelligence. Collectively these products discover and prioritize vulnerabilities on devices that cannot be scanned, while minimizing business disruption.

Skybox Vulnerability and Threat Management
An intelligent approach to full-lifecycle vulnerability threat management

DISCOVERY

PRIORITIZATION

OVERSIGHT

REMEDIATION

Why is a network model important?

A scalable and accurate network model crystallizes and produces actionable insight, reduces manual effort, and produces quick time to value when prioritizing and remediating critical vulnerabilities.

See everything in a single dashboard

Skybox Vulnerability Control collects, aggregated and normalize data from your existing security and network infrastructure tools. This data provides the foundation for a robust network model that enables real-time visibility into high risk vulnerabilities and imminent threats on your network.

Single source of vulnerability truth
Vulnerability Control integrates with over 150 leading network, security, asset management, SIEM, Service Management and other tools. It collects vulnerability data across campus, datacenter, cloud, IT and OT environments, breaking down information silos and producing a single source of truth.

While an attack is occurring, a single vulnerability dashboard is vital to see all systems involved in a coordinated attack, and to modify access rules to reduce the blast radius. Skybox Vulnerability Control gives you that enterprise-wide view of the attack surface, increasing visibility and optimizing reaction time.
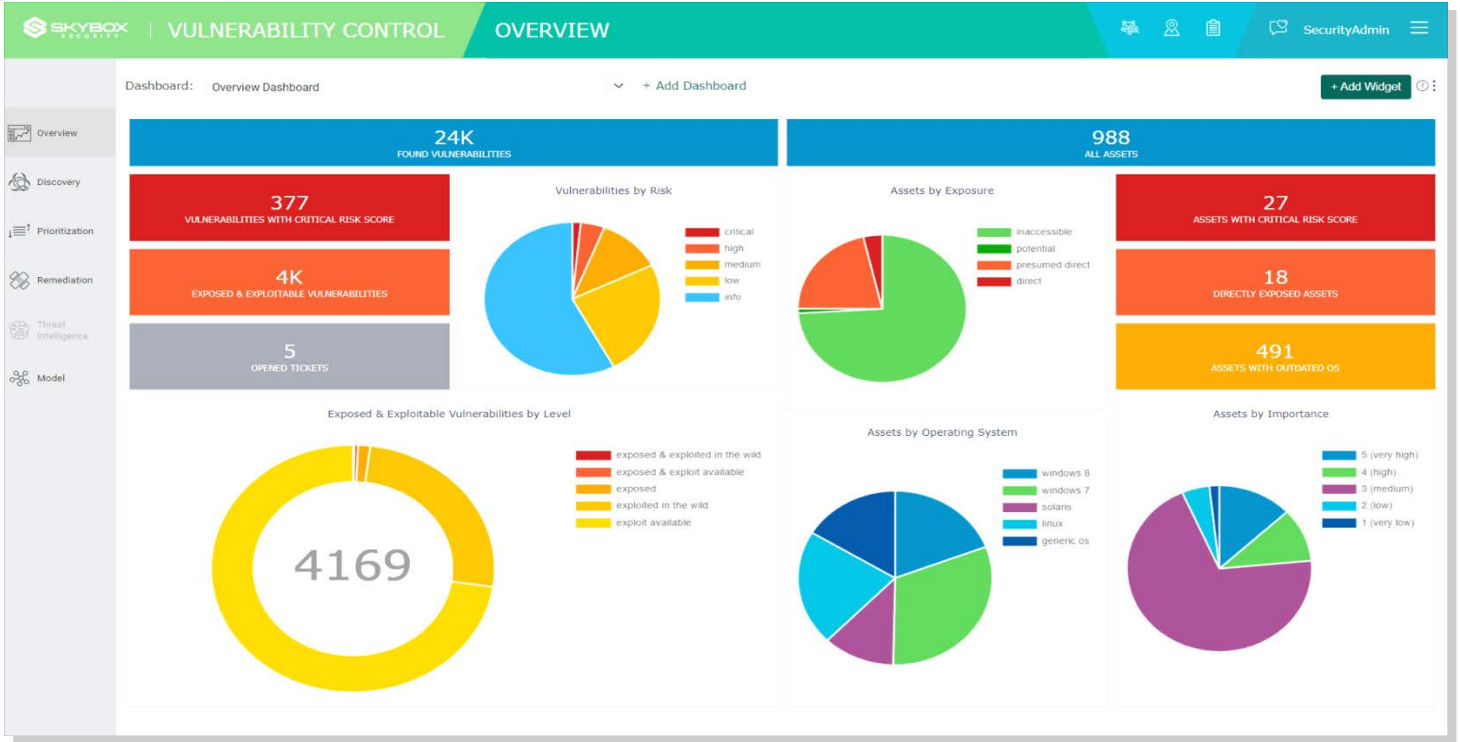
FIG 1: With Skybox Vulnerability Control you can see all vulnerabilities and zero in on the highest risk ones – those that are exposed and exploitable

Act on what matters

By combining daily threat intelligence feeds with the rich context acquired from across your corporate security stack, Skybox Vulnerability Control builds a unique risk score that highlights critical vulnerabilities on assets are of high importance. Furthermore, it places a higher priority on those critical vulnerabilities that are exploited in the wild and are exposed to threat actors, whether internal or external.
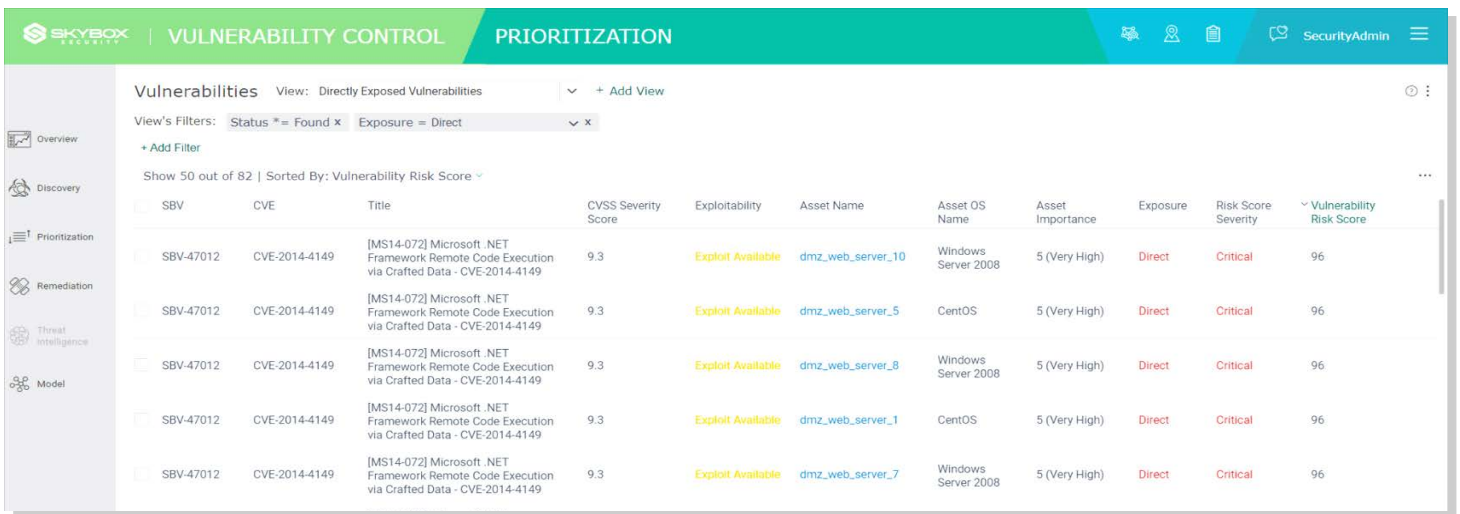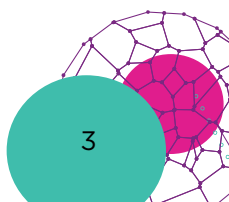

FIG 2: In the detailed view, prioritize remediation by risk score, exploitability or exposure

Using intelligence and context to drive remediation decisions

Many mission critical devices cannot be taken offline to be patched. A thorough model of the network will intuitively recognize pathways to and from the vulnerable asset and can recommend access modifications to cordon off and protect the device.

Fix and confirm

Skybox Vulnerability control integrates with leading ticketing systems to orchestrate and validate remediation of high priority vulnerabilities. For example, security teams can raise a ticket that sends an alert to ServiceNow. The ticket appears in the dashboard and the status of the ticket can be monitored and reported on until the remediation is complete.

Intelligent trend widgets help to track remediation success over time, thus providing insight into change management procedures that can be optimized to further improve remediation time.
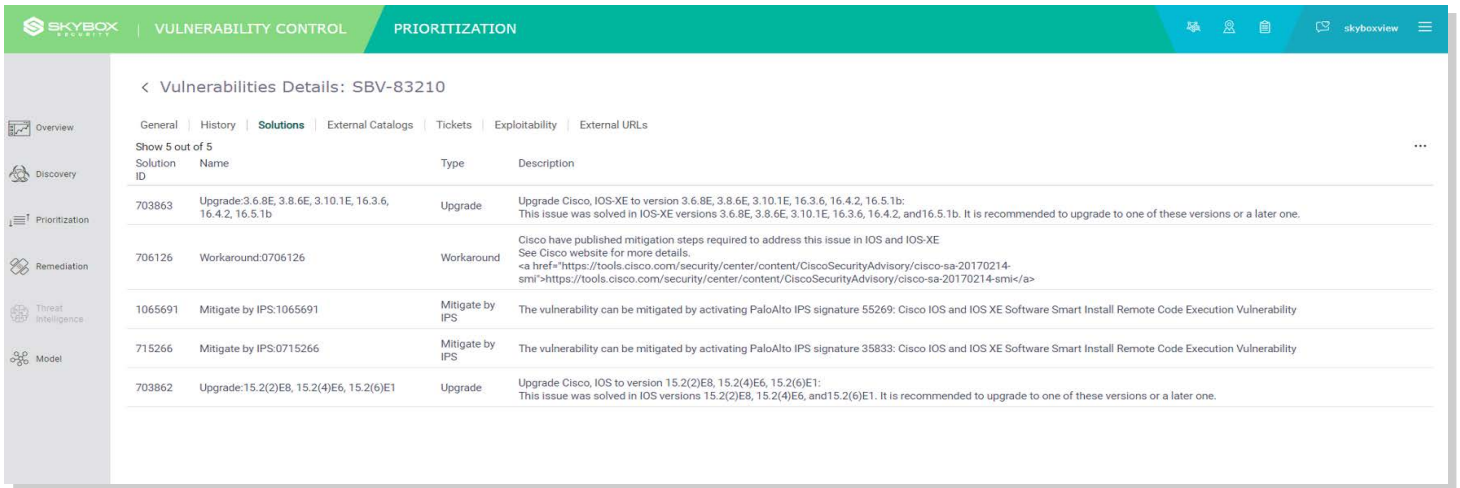

FIG 3: Intelligent remediation suggestions expand beyond patching and recommends remediation for devices that are offline or cannot be patched

Think outside the box for remediation success

How do you know how well you're doing? Are your key remediation metrics improving? Are your SLAs being met? A vulnerability and threat management solution can provide you with instant visibility into your entire vulnerability realm and keep teams accountable for meeting and exceeding SLAs. However, this also requires strategic planning with a team that has the expertise to take you through the entire journey.

Skybox Professional Services uses deep subject-matter expertise and a proven, flexible deployment methodology so you can gain immediate value from your deployments and embed the solution in ongoing security processes. With over 20 years of experience with large and complex networks, our team quickly learns your environment, designs and customizes your view of the product to quickly meet your needs.
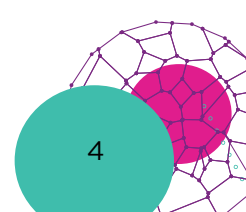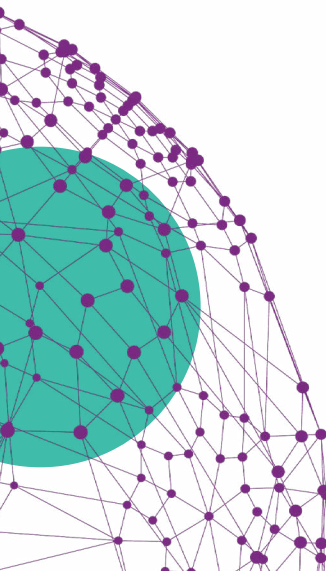
Audit and oversight

As you adopt a mature vulnerability management program, it will be critical to consistently validate and refine the data aggregation processes that build and maintain the corporate network model. Accurate reporting and an understanding of trends over time will improve the predictability that is vital to successfully preventing attacks.

The Skybox Vulnerability Control dashboard reports on trends over time and emphasizes downward trends that could negatively impact risk scores such as:

+ Decrease in scan frequency

+ Decrease in the number of machines scanned

+ Increase in high-risk vulnerabilities or exposed vulnerabilities

The Skybox® Research Lab is a team of security analysts who scour data daily from dozens of security feeds and sources and investigate sites on the dark web. The research lab validates and enhances data through analysis, based on their knowledge of attack trends, cyber events, and the TTP of today's attackers. Their ongoing investigations determine which vulnerabilities are being exploited in the wild and used in distributed crimeware, such as ransomware, malware, exploit kits, and other attacks exploiting client and server-side vulnerabilities. This analysis is incorporated into Skybox Vulnerability and Threat Management solution, which prioritizes the remediation of exposed and actively exploited vulnerabilities.
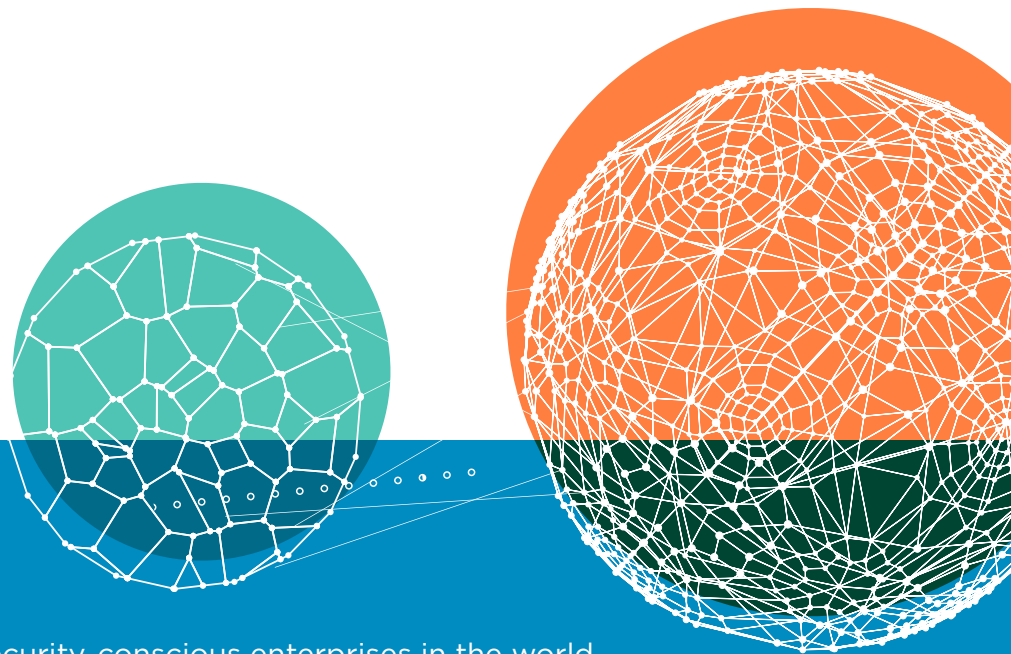
ABOUT SKYBOX SECURITY

Over 500 of the largest and most security-conscious enterprises in the world rely on Skybox for the insights and assurance required to stay ahead of their dynamically changing attack surface. Our Security Posture Management Platform delivers complete visibility, analytics and automation to quickly map, prioritize and remediate vulnerabilities across your organization.

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