



WHY SKYBOX SECURITY
SHOULD BE AT THE HEART OF YOUR

CYBERSECURITY STRATEGY

How, why and where Skybox should form the bedrock
of your cybersecurity defences

Business Brief

A Trusted, Military-Grade Security Solution

Since 2002, Skybox has provided trusted solutions to Global 5000 organisations including over 750 major enterprises and governments in 50 countries. More than one million network devices and ten million network assets are being modelled with Skybox, with the largest installations modelling over 1.5 million assets. Skybox also integrates with over 120 networking and security technologies; is used across markets as diverse as financial services, government and defence, service providers, energy and utilities, technology, healthcare and consumer; and adds value wherever security is a strategic concern.

A major challenge facing any large organisation is the sheer scale and complexity of its infrastructure. Often this is based on heterogeneous network and IT infrastructure with a myriad of different platforms and software packages, most of which do not communicate with each other. This fragmented situation is made even more complex when parts of the infrastructure are outsourced, virtualised or migrated to the cloud. The result: the organisation simply cannot see what it is trying to defend, making planning an effective defence strategy almost impossible.



Total visibility.
Focused Protection.™



Complete Visibility of Your Attack Surface

To address this, Skybox builds a model of your organisation's entire infrastructure and all relevant components including:

- **Security controls** such as firewall management platforms, intrusion protection systems (IPS) and virtual private networks (VPN).
- **Network topology** components such as routers, load balancers and switches, and all ingress and egress points into the environment.
- **Assets** such as servers, workstations and networks, including how these are grouped and their relative importance.
- **Vulnerabilities** including their location and criticality — updated daily.
- **Threat intelligence** including threat origin and exploit data — also updated daily.

This data is used to generate a high-level view of your entire attack surface so your security teams know where your risks and exposures are, can prioritise those that need to be dealt with, and fix them proactively. This view can also extend across virtualised, cloud and outsourced environments to provide a level of access and exposure analysis that would otherwise be impossible.

Improving and Maturing Your Operational Processes

Skybox helps mature multiple existing operational processes by embedding powerful continuous monitoring and analytics capabilities across the entire cycle of predict, prevent, detect and respond.

1

Predict

Skybox exposure analysis, vulnerability assessment, threat intelligence and proactive defence planning help assess vulnerabilities and exposures, simulate attacks and improve baseline systems.

2

Prevent

Skybox network auditing, change management, firewall/IPS management and patch management help harden and isolate systems, divert attackers and proactively reduce the risk of attack.

3

Detect

Skybox improves incident detection and security information and event management (SIEM) tuning, to better detect, confirm, prioritise and contain incidents.

4

Respond

Skybox helps investigation and forensics; design, model, remediate and make changes; and avoid repeat incidents.



Supporting Strategic Initiatives

Skybox gives you a solid platform on which to plan, execute and securely enable a wide range of strategic initiatives.



Cloud Migration

Skybox creates an architectural blueprint for cloud or virtualisation by giving you unparalleled visibility and helping you bridge and extend your existing processes, plan the secure migration of infrastructure and applications, and understand and manage the associated risks.



Security Transformation

Skybox enables you to understand what you're trying to defend, quickly fix the high risks within the environment, mature your existing processes, and create a solid foundation for SIEM, a security operations centre (SOC), outsourcing to a managed security service provider (MSSP), etc.



Audit and Compliance

Skybox helps embed compliance management within normal day-to-day operations, by automating, evolving and streamlining critical processes, and automating and aligning audit processes, compliance and policy management across the network.



Cyber Resilience

Skybox helps to manage and mature the basic processes that maintain cyber hygiene and resilience on a day-to-day basis. This delivers significant improvements over traditional approaches such as annual or bi-annual audits.



Securing Operational Technology

Skybox enables proactive, non-intrusive SCADA and OT risk management, by modelling the risks that exist between a traditional IT environment and OT, and using this to extend and join the processes being used within both environments.



Mergers, Acquisitions and Divestments

Skybox enables the technology aspects of M&A to be concluded more quickly, and helps de-risk their operational aspects by ensuring risks are properly understood, identifying where they are and enabling them to be mitigated.



De-Risking Outsourced Environments

Skybox can police outsourced environments by giving total visibility of the complete attack surface, a single view across multiple outsourcers, and ensuring mature processes are in place between your organisation and all outsourcers.



WHERE TO START

To find out more about how Skybox can form the bedrock for your cybersecurity strategy, download the full [cybersecurity strategy whitepaper](#) or visit our [website](#).

Key Business Benefits

Whichever of these use cases you need to deliver, Skybox will help you optimise results by:

- Creating a central model of your organisation's entire infrastructure that can be used to join and de-risk processes across disparate technologies, regardless of how these are managed (e.g., in-house, outsourced, cloud).
- Embedding analytics within your existing processes, automating and reducing organisational overhead, while at the same time improving your security posture and resilience.
- Automating many important processes such as auditing, change management, vulnerability management and security operations.
- Providing context to security monitoring tools and within incident response processes, thereby allowing a reduction in resources.
- Enabling strategic initiatives such as cloud adoption, digital transformation, mergers and acquisitions, divestments, outsourcing, automation and compliance.

About Skybox Security

Skybox provides the industry's broadest cybersecurity management platform to address security challenges within large, complex networks. By integrating with 120 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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