In the Boxing Ring
JAN 2023

Network Box Technical News
from Mark Webb-Johnson
Chief Technology Officer, Network Box

Welcome to the January 2023 edition of In the **Boxing Ring**

Happy New Year! 2022 has been a tough year for many. Putting COVID-19 in our rearview mirror, we are trying to deal with managing the hybrid networks that have resulted from three years of Pandemic work-from-home and the proliferation of mobile devices and Software-As-A-Service deployments. Combine that with budget restrictions in the economic downturn, and things have been challenging. As such, the coming year will see Network Box expand on our core technologies, broadening our service offerings and evolving to improve our Managed Detect and Response service. On pages 2 to 3, we discuss this in greater detail and outline our roadmap for 2023.

On page 4, we highlight the set of enhancements and fixes to be released in this quarter's Patch Tuesday for Network Box 5 and our cloud services.

In this month's Global Security Headlines, security issues were discovered in Google Ads, Twitter, Fortinet, and AWS, Cloudflare, F5, Imperva, and Palo Alto Networks WAF products. In other news, Network Box USA's CTO, Pierluigi Stella, participated in the **ION Cybersecurity Event**. And finally, Network Box has compiled key In the Boxing Ring articles in the **2022 Network Box Technology Review**.

Mark Webb-Johnson
CTO, Network Box Corporation Ltd.
January 2023

Stay Connected

You can contact us here at Network Box HQ by email: **nbhq@network-box.com,** or drop by our office next time you are in town. You can also keep in touch with us by several social networks:

https://twitter.com/networkbox

https://www.facebook.com/networkbox
https://www.facebook.com/networkboxresponse

https://www.linkedin.com/company/network-box-corporation-limited/

https://www.youtube.com/user/NetworkBox

In this month's issue:

NETWORK BOX

Network Box Services in 2023

2022 has been a tough year for many. Putting COVID-19 in our rearview mirror, we are trying to deal with managing the hybrid networks that have resulted from three years of Pandemic work-from-home and the proliferation of mobile devices and Software-As-A-Service deployments. Combine that with budget restrictions in the economic downturn, and things have been challenging.

But despite so much changing, the fundamentals remain the same. Despite dropping from its peak in 2021, ransomware continues to be the #1 malware problem, with data breaches topping the list of threats. Still, 80% of security incidents are caused by a lack of protection, and the other 20% by that protection not being configured/maintained correctly. Network Box's approach of combining a full suite of protection technologies with PUSH protection updates and configurations managed by our engineers in Security Operation Centres around the world has continued to prove highly effective in keeping the networks we manage secure, addressing both the 80% and 20%.

2023 Roadmap

The coming year will see Network Box continue to expand on our core technologies, broadening our service offerings and evolving to improve our Managed Detect and Response service. This means:
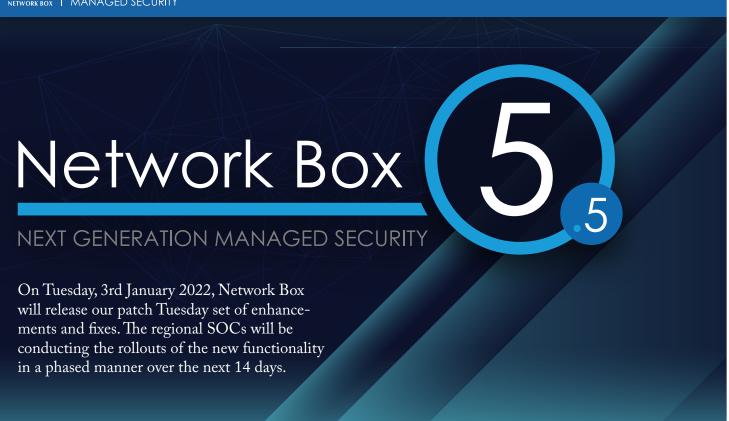
- NBSIEM+ and our mobile apps will continue to be expanded to form the admin and user portals to all our services unified under one umbrella.

- A dashboard facility will be released for NBSIEM+ to allow users to design their own dashboards (in a similar way to the admin web portal). More reporting and KPI widgets will be introduced to support this.

- Improved reporting, as well as providing clear advice to our customers regarding their information security, will be key points of focus this year. We will be introducing two new major types of reports:

  1. Conducting regular configuration reviews of each Network Box under management against the 16 categories and 81 items of our Best Practices; to periodically report on these and review areas of concern with our customers to address identified shortfalls. These Best Practices represent the most common forms of network infiltration and data breaches affecting networks worldwide. Network Box Security Engineers refer to these when designing defense systems for networks under management, when processing policy change requests, and during such periodic configuration reviews.

  2. A new Executive Summary Report produced by NBSIEM+ will periodically summarize the KPIs and services provided at a high level, which is able to report across all devices and cloud services provided in one single report, organized by configurable asset hierarchies. This report leverages Network Box's unique capability of storing data locally (on-end protection devices) but being able to report centrally in a consolidated manner while adhering to regulations such as GDPR.

- Expansion of our services to the desktop. This year, we will start offering an end-point protection service, as well as furthering our existing vendor partnerships with improved NBSIEM+ support. While the gateway protection provided by Network Box appliances (physical, virtual, and multi-tenanted cloud) is comprehensive, end-point protection provides for in-depth defense improvements and support for devices not within or traveling outside the protected networks.

- We will continue to enhance and expand our cloud service offerings - heading towards NBSIEM+ as the single unified platform.

- Finally, we are continuing our work on our new NBRS-8 platform and commit to offering upgrades to this platform on all current Network Box hardware when it is released. More information on this will be released later this year.

2023 will see new challenges, and just as we have over the past 20+ years, Network Box will rise to meet these. As a managed service, we are continually updating and adjusting our offerings to meet the daily threats facing our customers. We would like to thank all of you for your continued trust in Network Box, our platform, and our security services.

Network Box 5.5

NEXT GENERATION MANAGED SECURITY

On Tuesday, 3rd January 2022, Network Box will release our patch Tuesday set of enhancements and fixes. The regional SOCs will be conducting the rollouts of the new functionality in a phased manner over the next 14 days.

Network Box 5 Features
January 2023

This quarter, for Network Box 5, these include:

- Improvements to configuration search functionality for SOC engineers
- Improvements to configuration comparison for SOC engineers
- Changes to support new SOC IP ranges
- Improved recovery from unreliable DNS servers, in host IP ACLs
- Updates to IP geolocation database

In most cases, the above changes should not impact running services or require a device restart. However, in some cases (depending on configuration), a device restart may be required. Your local SOC will contact you to arrange this if necessary.

Should you need any further information on any of the above, please contact your local SOC. They will be arranging deployment and liaison.

Network Box
HIGHLIGHTS

NETWORK BOX

Network Box
Technology Review 2022

As a special end-of-year review, Network Box has compiled the key *In the Boxing Ring* technology news, features, and articles from 2022.

LINK:

https://mcdn.network-box.com/ItBR/2022/Technology_Review_2022.pdf

Global Security Headlines

Bleeping Computer
Hackers abuse Google Ads to spread malware in legit software
LINK: https://bit.ly/3Z0gj2J

BBC
Twitter in data-protection probe after '400 million' user details up for sale
LINK: https://bbc.in/3Gespg5

Dark Reading
Popular WAFs Subverted by JSON Bypass
LINK: https://bit.ly/3X4FRKh

Duo Security
Fortinet Warns New Critical Fortigate Bug Has Been Exploited
LINK: https://duo.sc/3QbnEZ8

Network Box USA
ION Cybersecurity Event

Network Box USA's CTO, Pierluigi Stella, participated in a panel discussion titled **How Things Work: Cybersecurity,** which took place at the ION in Houston, Texas.

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