In the Boxing Ring

Network Box Technical News

from Mark Webb-Johnson
Chief Technology Officer, Network Box

Welcome to the April 2018 edition of In the Boxing Ring

This month, we are proud the announce the launch of **Network Box 5.5**. When Network Box 5 was released several years ago, in addition to enhancing our existing UTM+ services and offering next generation security technologies, we introduced higher level application services such as: SSL Offloading, IPv4 to IPv6 Bridging, Ruggedized / Visual VPN, KPI Reporting, Enhanced Multi-Protocol Handling, Kiosk Mode, Cloud Email Backup, Cloud DNS Backup, Dual-factor Authentication, and many more. With the launch of Network Box 5.5, we take these application services and expand on them further. On pages 2 to 3, we focus on some of the new features and enhancements to the platform.

On page 4, we highlight the features and fixes to be released in this month's patch Tuesday for Network Box 5.

Finally, the **Network Box 5.5** launch event took place on the 118th floor of the Ritz-Carlton. Fittingly, 118 long-term partners and customers joined us to not just celebrate launch of the new platform, but also Network Box's 18th anniversary, on top of the world! In other news, Network Box Taiwan was at the **Taiwan Security Summit 2018**. For the event, Network Box Singapore's Managing Director, Jan van Leersum, was a special guest speaker to give a talk about PCI-DSS, and how Network Box can help customers obtain and maintain compliance. Furthermore, Network Box Germany held a series of cyber security workshops at **SYNAXON ERFA 2018**.

Mark Webb-Johnson
CTO, Network Box Corporation Ltd.
April 2018

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://plus.google.com/u/0/107446804085109324633

In this month's issue:

NETWORK BOX

Network Box 5.5

NEXT GENERATION MANAGED SECURITY

Back in 2013, Network Box launched the Network Box 5 UTM+ platform. The platform enhanced our existing UTM+ technologies, and was optimized to perform eight times faster than the previous Network Box 3 (NBRS-3) platform. Over 100 new features and next generation technologies were added to the platform including: Anti-DDoS, Web Application Firewall, Application Scanning and Control, Protocol Translation, Entity Management, HTML-5 Dashboard, and many more.

Since the launch, Network Box has continued to add new enhancements to the platform, with higher level application services to help our customers. Some of these offerings include: SSL Offloading, IPv4 to IPv6 Bridging, Ruggedized / Visual VPN, KPI Reporting, Enhanced Multi-Protocol Handling, Kiosk Mode, Cloud Email Backup, Cloud DNS Backup, Dual-factor Authentication, and iOS / Android App, to name a few.

With the launch of Network Box 5.5, we take these application services and expand on them further:

DomainKeys Identified Mail (DKIM)

Policy control of DKIM signature verification. In addition, Network Box 5.5 also allows DKIM signing for outbound SMTP email.

PCI-DSS Compliance

Network Box, as a service provider, can help you with obtaining and maintaining PCI-DSS compliance.

Enhanced Global Monitoring System (GMS)

The Global Monitoring System is evolving into an Incident Focused Framework (IFF).

Reputation Database (RepDB)

Network Box tracks more than 15 million reputation signatures, covering more than 100 million individual items.

RepDB is currently growing at the rate of more than 200,000 signatures a month.

Security Incident and Event Management (SIEM) Client

Network Box 5.5 has the option to act as a client to third-party SIEM systems.

It provides a standardized nbsyslog output, using an RFC3164 / RFC5424 compatible syslog feed over TCP/IP.

▲ OSSIM Integration   ▲ Splunk Integration

NETWORK BOX

Network Box 5.5 Dashboard

For the new platform, we have optimized the dashboard for improved performance, and restructured the menus and screens, for greater usability. In addition, over fifty new widgets and ten overview screens have been added, to make it easier for users and admins to get to the information they require quicker.

Below is a summary of additional enhancements, to the Network Box 5.5 Dashboard:

New appearance option

We have added a new *Chart + Table* appearance option, so each widget now has three appearance options:
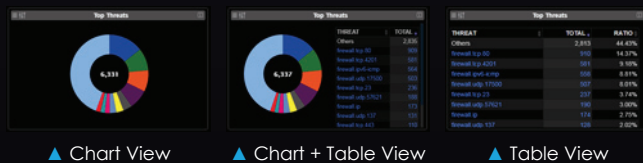
▲ Chart View   ▲ Chart + Table View   ▲ Table View

Health Indicators

Each overview screen now has a health indicator at the top left to give you an at-a-glance summary of the status.

▲ Firewall Overview Screen

Type Overview Screens

New "by xxx" screens for key holistic types (like user, IP address, application, etc). These allow fast access into summary and transactional data for these key fields.

News Screen

To keep you up-to-date with security news, we have introduced security news feed, with indicators of compromise.

The Network 5.5 security platform is now available, and the SOCs are conducting the roll out in phases.

NETWORK BOX

Network Box 5.5

NEXT GENERATION MANAGED SECURITY

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

Network Box 5 Features
April 2018

This month, for Network Box 5, these include:

- Introduced support for configurable data flow backoff settings for proxied traffic

- Improved support for daylight savings time switches

- Add support for elliptic curve dh19(secp256r1), dh20(secp384r1) and dh21(secp521r1) dh groups for SSL

- Enhanced configurability of 4in4/6in4/ipip virtual tunnel TTL sizes

- Enhanced support for fine grained control over DKIM policy enforcement (back-port from NBRS-5.5)

- Introduce feature for optional DKIM signing outbound email (back-port from NBRS-5.5)

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

Network Box ISO 9001 / ISO 20000 / ISO 27001 certified Security Operations Centre, ensures that customers' networks are protected against cyber threats, 24x7x365.

Network Box Taiwan
Taiwan Cyber Security Summit 2018

Network Box Taiwan was at the **Taiwan Cyber Security Summit 2018,** held at the Taipei International Convention Centre. During the event, *Jan van Leersum*, Managing Director of Network Box Singapore, gave a keynote speech highlighting how Network Box can help organizations comply with the latest PCI-DSS (Payment Card Industry - Data Security Standard) requirements.

Network Box 5.5
Launch Event

The **Network Box 5.5** Managed Security Platform was launched at the Ritz-Charlton. The entire 118th floor was booked for the event, which also allowed us to celebrate Network Box's 18th anniversary, in world-class style. Fittingly, 118 guests honored us by attending the event, and we had a lucky draw for rare 18-year-old single malt whiskies. It was fantastic to have the opportunity to launch the new platform, with so many of our long-term partners and customers, in what was until recently, the highest restaurant and bar in the world.

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Network Box Germany
SYNAXON ERFA 2018

Network Box Germany presented a series of workshops titled *"Network Box – your new employee, when it comes to IT Security,"* at SYNAXON ERFA 2018.