

JUL 2015

In the Boxing Ring

Network Box Technical News

from Mark Webb-Johnson, CTO Network Box

Welcome to the July 2015 edition of In the Boxing Ring

This month, continuing on from last month's set of VPN enhancements, we are releasing the next batch of VPN enhancements to improve on our current offerings. These enhancements are highlighted in page 2.

On pages 3–4, we highlight the features and fixes to be released in this month's patch Tuesday for Network Box 5 and Network Box 3. We continue to develop, and will continue to support, Network Box 3 for the foreseeable future (several years).

Finally, Network Box Germany participated at the *Alliance for Cyber*

Security, Cyber Security Day; Network Box Managing Director, Michael Gazeley, was interviewed by the *South China Morning Post* about WhatsApp's failure to protect users' rights; and Network Box USA's CTO, Pierluigi Stella was interviewed by *InformationWeek* about the the security breach at the US Government's Office of Personnel Management.



Mark Webb-Johnson
CTO, Network Box Corporation Ltd.
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You can contact us here at 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:

twitter <http://twitter.com/networkbox>

facebook <http://www.facebook.com/networkbox>
<http://www.facebook.com/networkboxresponse>

Linked in <http://www.linkedin.com/company/network-box-corporation-limited>

Google+ <https://plus.google.com/u/0/107446804085109324633/posts>

In this month's issue:

2 VPN Reporting (part2)

Continuing from last month we have released a new set of VPN enhancements including: configurability of VPN types, reporting on persistent VPN availability, VPN KPIs, start/stop/restart VPN capabilities, and global monitoring for VPN links.

4–5 Network Box 5 and Network Box 3 Features

The features and fixes to be released in this month's patch Tuesday for Network Box 5 and Network Box 3. We continue to develop, and will continue to support, Network Box 3 for the foreseeable future (several years).

5 Network Box Highlights:

- **Network Box Germany**
Alliance for Cyber Security Event
- **Network Box Hong Kong**
"Facebook's WhatsApp blasted for failing to protect users' rights"
- South China Morning Post
- **Network Box USA**
"OPM Breach Exposes Agency's Systemic Security Woes"
- InformationWeek | DARKReading

VPN Reporting (part2)

Last month, we released a number of significant enhancements to our VPN reporting system, accessible via the Network Box 5 administrative web portal. Continuing on from the last set of VPN enhancements, this month we are releasing the following:

- Configurability of VPN persistent type. VPNs can now be configured as permanent (expected to be up 100% of the time) or ephemeral (disconnecting and connecting at will, with no expected up time).
- Reporting on persistent VPN availability is also now released. This is a report showing the percentage of uptime for each permanent type VPN.
- VPN KPIs are also now available for each of the three main VPN types.
- The capability to start/stop/restart VPN tunnels from the administrative web portal.
- A new Global Monitoring Sensor for VPN links (in particular permanent types).

These improvements have been made for all three types of supported VPN (IPSEC, SSL and PPTP).



► Network Box 5 VPN Dashboard

Network Box 5

NEXT GENERATION MANAGED SECURITY

On Tuesday, 7th July 2015, Network Box will release our patch Tuesday set of enhancements and fixes. Due to the large number of changes released this month, we have increased the rollout window beyond the normal 7 days. This month, 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 July 2015

This month, for Network Box 5, these include:

- capability to start/stop/restart VPN tunnels from admin web portal
- New GMS "VPN" sensor, monitoring persistent VPN links
- Extensions to IPSEC VPN configuration to allow explicit declaration of left and right IDs
- Support for replay-window option in SSL VPNs
- New IPSEC KPI, for IPSEC VPNs
- New SSL KPI, for SSL VPNs
- New PPTP KPI, for PPTP VPNs
- Support for auto-provisioning secondary NOC connections (permitting boxes to be maintained from more than one NOC)
- Various minor improvements to admin and user web portals
- Introduction of a pause to live updates in admin web portal when a transactional line is expanded to show detail (resume on collapse)
- Improvements to German localization
- Addition of Internet Bandwidth metrics to default weekly KPI report
- Add local IP tops to front-line, IDS and IPS intrusion KPIs
- Add local IP tops to Web Client KPI
- Introduction of customisable test points for monitored gateways and links
- Foundational support has been added for core object sync between box and NOC (entities, GMS sensors and conditions)
- Introduction of NOC KEYS alternative box access system for NOC engineers
- New NDR classification for eMail (identifies eMail messages which are Non Delivery Receipts, or other such automated responses), to simplify response to backscatter
- New EXE classification for eMail containing executable code (scripts, programs, macros, etc), to simplify policy enforcement
- Enhanced support for Macro detection in pre-office 2007 documents
- Suppress disclosure of server information in SMTP server greeting
- New capability to define custom hardware MAC address on ethernet links
- Enhanced support for output IP selection in directed proxy mode

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



Network Box 3 Features

July 2015

On Tuesday, 7th July 2015, 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 7 days. This month, for Network Box 3, these include:

- Enhancements to Box Office and Response web sites.
- Box Office support for new NOC KEYS access arrangement.
- Updated German translation for Box Office screens.
- Various (mostly internal) enhancements to several internal support systems

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.

Network Box Germany Alliance for Cyber Security



Network Box Deutschland GmbH, participated in the 'Allianz für Cyber-Sicherheit,' Cyber Security Day, which took place at the, 'Commerzbank Arena,' in Frankfurt.

Network Box Hong Kong South China Morning Post

Network Box Managing Director, Michael Gazeley, was interviewed by the South China Morning Post, about the Electronic Frontier Foundation's recent report, showing WhatsApp doing a poor job of protecting users' rights.

LINK: <http://www.scmp.com/tech/social-gadgets/article/1824929/facebooks-whatsapp-blasted-failing-protect-users-rights>

Network Box USA InformationWeek | DARKReading



Pierluigi Stella, Chief Technology Officer at Network Box USA, was interviewed by InformationWeek, for an article about a major cyber security breach at the US Government's Office of Personnel Management (OPM).

LINK: <http://www.darkreading.com/vulnerabilities---threats/opm-breach-exposes-agencys-systemic-security-woes/d-d-id/1320794>

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