DEC 2017

In the Boxing Ring

Network Box Technical News
from Mark Webb-Johnson, CTO Network Box

Welcome to the December 2017 edition of In the Boxing Ring

This month, we discuss the issue of **Physical Security**. With the heightened security landscape sometimes one becomes too focused on network security that we neglect the fundamentals and open ourselves to basic low-level attacks. On pages 2–3 we put forward 7 questions that you should ask yourself about your security, and we outline precautionary measures that you can take to ensure that your network is protected.

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

Finally, Network Box is proud to announce that the company won two **SMBWorld Awards 2017** in the categories of *Best Security Solution - Hardware* for the Network Box E-Series hardware platform, and *Best Managed Security Services*, at this year's awards ceremony. In addition, Network Box Malaysia was at the **13th WIEF Conference**. Furthermore, the Network Box **UTM-5Q** hardware platform, and Network Box Germany's Managing Director, Dariush Ansari, was featured in *Swiss IT Magazine*.

Mark Webb-Johnson
CTO, Network Box Corporation Ltd.
December 2017

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 – 3
Physical Security

Quite often overlooked when it comes to network security, Physical Security also plays a key role in ensuring that your network is protected from cyber threats. For example, a hacker could infiltrate your network by simply plugging a USB stick into an open socket. On pages 2–3 we put forward questions about your security, and outline steps you can take to ensure that you are protected.

4
Network Box 5 Features

The features and fixes to be released in this month's patch Tuesday for Network Box 5.

5
Network Box Highlights:

- **Network Box**
  SMBWorld Awards 2017

- **Network Box Malaysia**
  13th WIEF Conference

- **Network Box Germany**
  Swiss IT Magazine

NETWORK BOX

physical
SECURITY

Sometimes we focus so much on network security, that we forget the fundamentals and open ourselves up to basic attacks.

Think about the following, and how they affect your organization:

1. Do you bring guests, or temporary contractors, into your office area?

2. Are there any ethernet network sockets in your conference rooms and other areas visited by guests or contractors?

3. Are there any workstations or laptops in those conference rooms and shared areas? Do they have USB sockets?

4. Do you have a guest wi-fi? Is it isolated from your office networks and servers?

5. Do you have any outbound policy filtering in place, for guest wi-fi?

6. Are guests or temporary contractors ever left unescorted?

7. Are your conference rooms and guest / contractor accessible area covered by surveillance systems?

NETWORK BOX

If you answer 'yes' to any of those questions, you may be opening yourself up to issues.

There is an old security adage that says it is 'game over' when you have an intruder with unrestricted physical access, and to some extent that is true. Commercial computer hardware is simply not designed to thwart an attacker with a screwdriver and time on his or her hands.

But, you can make things difficult for the attacker. Slow him down, and he may simply not have enough time to conduct his attack, or perhaps choose a simpler target. Here are some simple recommendations to think about:

- Limit the areas of your office that attackers have physical access to. Doing this, you've effectively limited the problem area you have to secure. Secure the borders between these areas and the rest of your office.

- Secure (lock) physical network sockets in those areas.

- Isolate and secure guest wi-fi networks. Make sure that access from a guest wi-fi to your internal network is equivalent to access from the general Internet. Control outbound policy, to protect against data leakage, key loggers, and inbound compromise. In general, guests should have no access to your computers / laptops; and if they have had access, consider that device compromised.

- Secure computers and laptops in those areas. Lock and disable/block USB and disk ports. Make sure computers are auto-locked with screen-savers and require a strong password to wake up.

- Make sure these areas are covered by surveillance cameras, guests / contractors are logged in/out, and activity is reviewed.

- Never leave guests / contractors unescorted.

- Consider engaging professional penetration testing services. These people will test your systems and people, to ensure that they comply with the security profile you have designed.

Above all, try putting on a 'black hat' and think about your office from an attacker's point of view. Have a walk around, and think about your answers to the 7 questions I have asked.

NETWORK BOX

Network Box 5
NEXT GENERATION MANAGED SECURITY

On Tuesday, 5th December 2017, 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
December 2017

This month, for Network Box 5, these include:

- Support starting of stopped IPSEC tunnels in Admin Web Portal, as well as visibility of IPSEC VPN tunnels in 'down' state

- Provide a backup facility for BGP configurations

- Provide a RFC3164 and RFC5424 compliant nbsyslog log target for sending logs to supported SIEM systems

- Improve performance of VPN session summary screen in Admin Web Portal

- Improve performance of Configuration/Overview screen in Admin Web Portal, for Internet Explorer v11 browsers

- Improve performance of static object download in HTTPS Admin and User Web Portals

- Add support for V-295 box model in Network Setup screens of Admin Web Portal

A note on SIEM:

For several years, Network Box has supported output of logs to SIEMs, and generic log servers, using the syslog rfc3164 protocol. This month, in addition to that basic syslog support, we release a new optional log target designed specifically for output to SIEMs.

This new log target supports both the older syslog rfc3164 protocol, as well as the newer rfc5424 protocol with structured data, over TCP/IP connections. The SIEM log target pre-filters nbsyslog events to those of interest to SIEM systems. This work to support SIEM systems is part of Network Box 5.5, due for release in the new year. Further information will be provided nearer that time.

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.

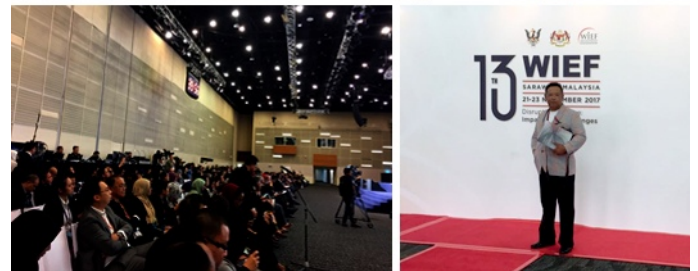## Network Box
SMBWorld Awards 2017

Network Box won two awards at this year's **SMBWorld Awards 2017** in the categories of *Best Security Solution - Hardware*, for the Network Box E-Series cyber-security platform, and *Best Managed Security Service Provider*. Network Box Managing Director, Michael Gazeley, collected the awards on behalf of the company at the awards ceremony that took place at the Cordis, Hong Kong

Network Box Malaysia
13th WIEF Conference

Network Box Malaysia's General Manager, Zachry Mohd, was at the **13th WIEF Conference**. The theme of this year's event was *Disruptive Change: Impact and Challenges*. In this rapidly changing business landscape, high quality cyber security is absolutely critical, in order to avoid the wrong kind of disruption.

Network Box Germany
Swiss IT Magazine

The Network Box **UTM-5Q** hardware appliance, designed to protect small businesses or branch offices, was featured in Swiss IT Magazine. In the article, Network Box Germany's Managing Director, Dariush Ansari, underlined, in addition to installing a UTM device, the supplementary need for businesses and organizations to implement Managed Security Services, to manage the device, and protect their network.

LINK:
http://www.itmagazine.ch/Artikel/65893/Unified_Threat_Management.html

Newsletter Staff	Subscription
Mark Webb-Johnson Editor	Network Box Corporation nbhq@network-box.com or via mail at:
Michael Gazeley **Nick Jones** **Kevin Hla** Production Support	**Network Box Corporation** 16th Floor, Metro Loft, 38 Kwai Hei Street, Kwai Chung, Hong Kong
Network Box HQ **Network Box USA** Contributors	Tel: +852 2736-2083 Fax: +852 2736-2778 www.network-box.com

NETWORK BOX