

SEP 2017

In the Boxing Ring

Network Box Technical News

from Mark Webb-Johnson, CTO Network Box

Welcome to the September 2017 edition of In the Boxing Ring

This month, we ask the question: **Have you been Pwned?** [*Pwned: Internet slang; to be 'owned' or utterly defeated*]. Every month, there is seemingly a new data breach, with millions of account details compromised, however, there are still large amounts of these types of breaches that go unreported and/or undetected. On pages 2 to 3 we discuss best practices that end-users and site owners can adopt, to prevent being victims of hackers and cyber criminals.

On page 4, we highlight the features and fixes to be released in

this month's patch Tuesday for Network Box 5.

Finally, we are proud to announce that Network Box won the *Best Managed Security Service Provider* at this year's **e-brand Awards 2017**. In addition, the **F1 Experiences** is now protected by Network Box Managed Security Services, and Network Box Managing Director, Michael Gazeley, was interviewed by **RTHK** about the latest global cyber threats. You can listen to the interview using the link on page 5.



Mark Webb-Johnson
CTO, Network Box Corporation Ltd.
September 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

Have you been Pwned?

Hackers use SQL injection or other similar tools to access the database of large sites, and steal their data. With these data breaches they often walk away with account IDs, email addresses, encrypted passwords, and other sensitive information. On pages 2 to 3 we discuss steps you can take to ensure your database is protected, and also highlight the top recent data breaches.

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**
e-brand awards 2017
- **Network Box Germany**
F1 Experiences
- **Network Box Hong Kong**
RTHK Radio 3 Interview

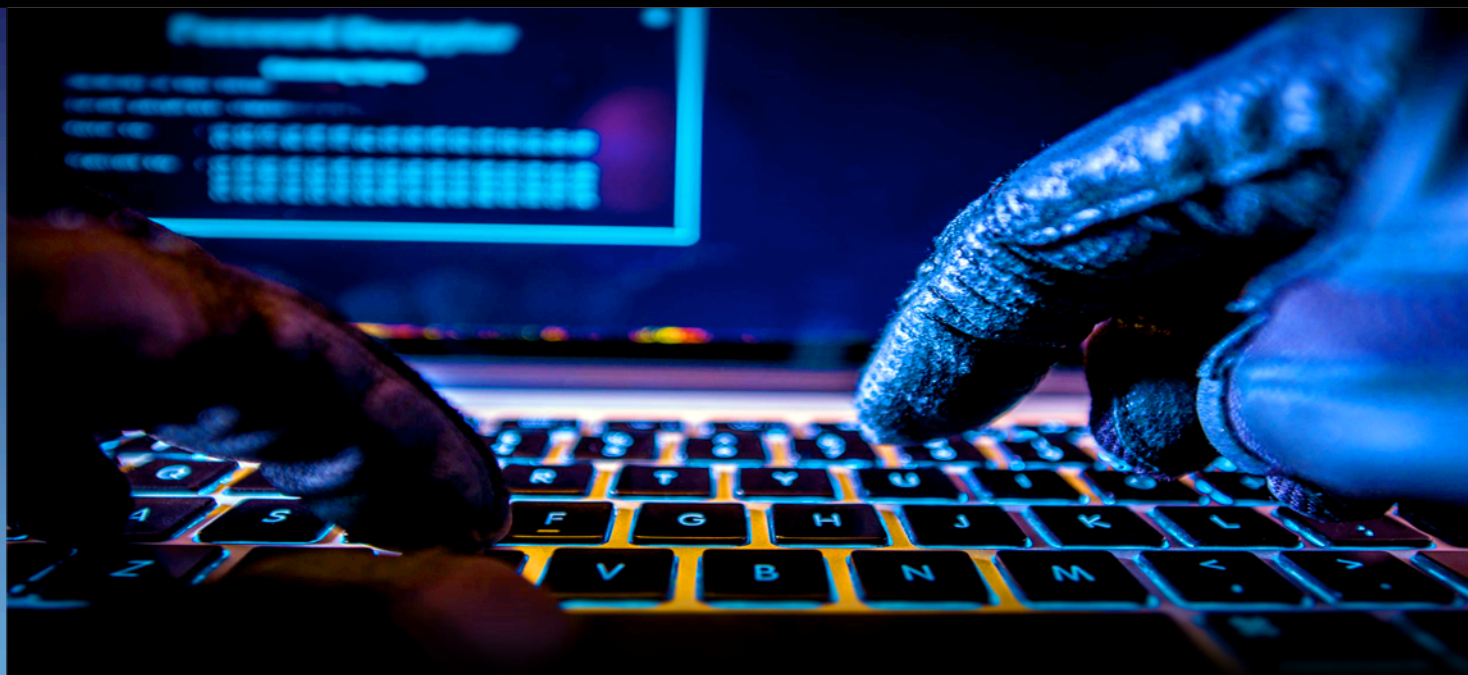


Have YOU been

PWNED?

Seemingly every month there is a new data breach announced, with millions of account details compromised. It makes you wonder how many of these breaches go unreported and/or undetected.

In such cases, hackers use SQL injection, or other similar tools, to access the database of a large site and dump the data. Often they get account IDs, email addresses, encrypted passwords, and other such sensitive information. They then sell that trove to the highest bidder, or simply release it on the Internet for all to see.



What can end-users do?

As an end-user of a service that stores your personal information, there are a few golden rules you should always follow:

1. Never use the same password on more than one site
2. Don't reveal personal data with security questions/answers
3. Limit, to the minimum, other personal data you provide
4. If possible, use one-time email addresses and account IDs
5. Use dual factor authentication, if offered

The guiding principle is to think about each and every piece of information you give these sites, remembering that in the event of a data breach all that could become public. We also want to make sure that if one particular site suffers a data breach, the information leaked cannot be used to compromise another site we use.



What can site owners do?

Simply put, follow industry standards such as PCI, as well as the regulations governing Data Protection in your jurisdiction. This normally involves taking steps such as protecting high risk assets, conducting regular security audits, implementing an incident response system, etc. Network Box operations centres around the globe are experienced with supporting our customers in following these standards and can provide the necessary technical solutions. In particular, the PCI security standards provide an excellent baseline to work from, and are not only suited to the credit card industry. Network Box 5 is specifically designed to support users with these standards.

Top Data Breaches

(source: Troy Hunt / HIBP)

Rank	Breach	Accounts affected
1	Onliner Spambot	711 million
2	Exploit.in	593 million
3	Anti Public Combo List	457 million
4	River City Media	393 million
5	MySpace	359 million
6	NetEase	234 million
7	LinkedIn	164 million
8	Adobe	152 million
9	Badoo	112 million
10	B2B USA	105 million

To see if your eMail address has been listed in these, and other recent data breaches, go to haveibeenpwned.com.

Network Box 5

NEXT GENERATION MANAGED SECURITY

On Tuesday, 5th September 2017, Network Box will release our patch Tuesday set of enhancements and fixes. The regional SOC's will be conducting the rollouts of the new functionality in a phased manner over the next 14 days.

Network Box 5 Features September 2017

This month, for Network Box 5, these include:

- Minor improvements to administrative console
- Improvements to display of network interface status report, by class
- Improved validation message regarding port ACL limit of 15 entries
- Improved box model identification and support for UTM-5Q and VPN-5Q
- Enhanced PUSH updates for IDS and IPS systems
- Layout improvements to configuration change history
- Minor improvements to signature download progress messages, to better reflect download state
- Provide a facility for administrators to setup TOTP (dual factor authentication) in admin web portal
- Performance enhancements for IMAP4 mail protocol scanning
- Improved GMS warnings for signature update issues



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.

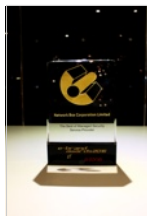
Should you need any further information on any of the above, please contact your local SOC. They will be arranging deployment and liaison.

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



Network Box e-brand Awards 2017

Network Box won the Best Managed Security Service Provider 2017, at this year's e-brand awards. Network Box Managing Director, Michael Gazeley, collected the award on behalf of the company, at the awards ceremony which took place on 18 August 2017, at the Hyatt Regency.



Network Box Germany Formula 1 Experiences

The Formula 1 Experiences team, is now protected by Network Box's Managed Cyber Security Services, against even the fastest moving cyber threats.



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Network Box Hong Kong

RTHK Radio 3

Network Box Managing Director, Michael Gazeley, was just interviewed by RTHK Radio 3 Hong Kong, about Phishing, Whaling, Social Engineering, and the massive uptick in fraud, that is occurring in both Hong Kong, and across the globe.



LINK:
http://www.rthk.hk/radio/radio3/programme/money_talk_extra/episode/453902