In the Boxing Ring

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

Welcome to the April 2014 edition of In the Boxing Ring

This month, we are launching the first configuration screens in the Administrative Web interface for Network Box 5. The web-based administrative configuration portal is designed to provide equivalent, but more flexible and powerful, functionality to that provided by the Network Box 3 platform. These are provided to help with customers migrating from Network Box 3 to 5. The different components and screens are highlighted on pages 2-3.

On pages 4-5, 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 we are pleased to announce that Network Box won at the 14th Annual Capital Outstanding Enterprises Awards. Network Box's Managing Director, Michael Gazeley, collected the award on behalf of Network Box, and gave a short talk, about the dangers of cyber surveillance in the modern world.

Mark Webb-Johnson
CTO, Network Box Corporation Ltd.
April 2014

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
Network Box 5 Administrative Configuration Portal

On pages 2-3, we highlight User Configuration in Network Box 5, Configuration Synchronization and Visibility, Entity Configuration, Content Filtering, Anti-Spam, Access Control Lists and My Accounts. In the coming months, more configuration functionality will be released for Network Box 5.

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 wins Capital Outstanding Enterprises Awards 2014.
- *"Transition to IPv6 Begins Slowly but Surely"*, by Network Box USA CTO, Pierluigi Stella,
- Network Box Singapore visits Network Box Headquarters for training.

NETWORK BOX

Network Box 5
Administrative Configuration Portal

The new Network Box 5 web-based administrative configuration portal allows users to configure and control their network settings. This month, we are launching the first configuration screens in the Administrative Web interface for Network Box 5. In this article we will highlight some of the key components.

User Configuration
in Network Box 5

When you enable the Administrative Web interface in Network Box 5, you will now notice two new tabs: Configuration and My Account

▶ The Network Box 5 web-base administrative configuration portal allows users to configure their network settings.

Configuration Synchronization and Visibility

Network Box 5 offers a full bi-directional synchronization of configurations between the BOX and it's SOC, as well as a unified configuration language. The first change you will notice is that the entire configuration of the box is now shown in the Overview section of the Configuration tab. A dramatic improvement over what was possible in Network Box 3, this allows for a simple copy-and-paste to document the configuration in audit reports. It also allows the customer to see the changes reflected in the configuration as a result of change requests to the SOC.
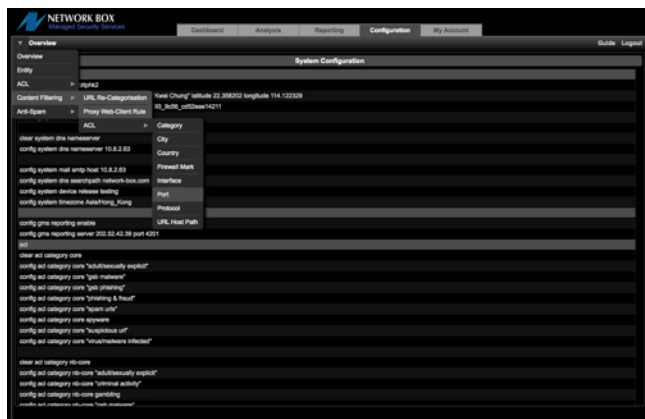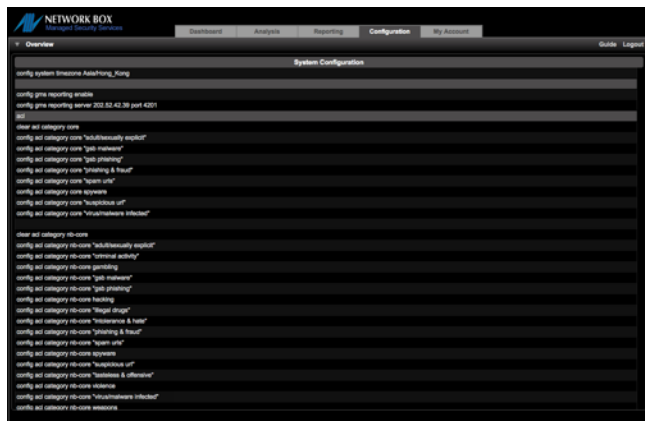
The configuration itself is show in the textual NBCONSOLE configuration language of Network Box 5 (a complete administrator's reference guide for which can be downloaded from the "Guide" link at the top right of the administrator's web portal).

Entity Configuration

A web-based user entity configuration system is now available to allow entities to be created, and their attributes to be manually maintained (if necessary) or merely viewed. An example use of this would be to set a password for an entity, or to assign the entity a vpn attribute to allow the user to connect via VPN.

Content Filtering

The content filtering configuration system allows URLs to be re-categorized, and customer web content filtering rules to be designed and applied to the box policy.

Access Control Lists (ACL)

A generic access control lists feature is present to allow typed lists of things such as IP addresses, eMail addresses, Content Filtering categories, etc, to be maintained. These ACLs are then used in other parts of the configuration.

Anti-Spam

The anti-spam configuration system allows rules to be created to whitelist and blacklist eMails for the anti-spam system.
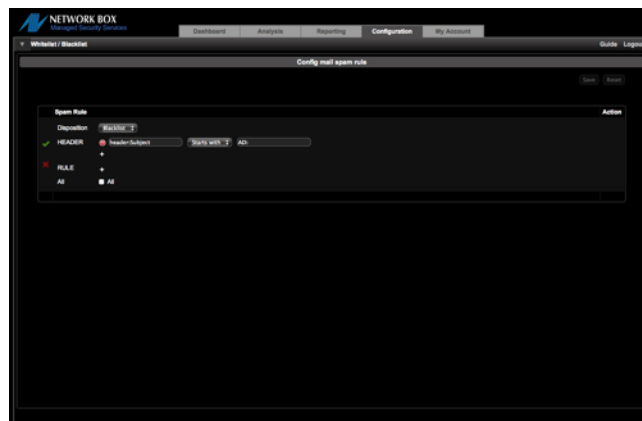
My Account

The My Account tab is available to allow the administrator to maintain his own account (including such things as password and notification preferences). Other administrator accounts can be maintained via the entity management system in the Configuration tab.

Conclusion

The web-based administrative configuration screens released today are designed to provide equivalent, but more flexible and powerful, functionality to that provided by the Network Box 3 platform. These are provided to help with customers migrating from Network Box 3 to 5. In the coming months, more configuration functionality will be released – in particular control functionality to allow for administrative control of such things as services, connections and VPN links.

NETWORK BOX

Network Box 5
NEXT GENERATION MANAGED SECURITY

On Tuesday, 1st April 2014, 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.

Network Box 5 Features
April 2014

This month, for Network Box 5, these include:

- New "My Account" tab in administrative web portal
- New optional "Configuration" tab in administrative web portal, with configuration overview
- Configuration system for ACLs in administrative web portal
- Configuration system for Content Filtering in administrative web portal
- Configuration system for Anti-Spam in administrative web portal
- Entity management system in administrative web portal
- Improvements in stability of administrative and user web portals
- Support for custom hooks in Global Monitoring System sensors
- Improvements to data tracing capabilities
- Improvements to SSL VPN multi-client configuration and control
- New administration guide for base VPN support
- New administration guide for SSL VPN
- New administration guide for IPSEC VPN
- New administration guide for PPTP VPN
- New administration guide for network IPS
- New administration guide for network IDS
- New administration guide for network frontline protection
- New administration guide for NOC provisioning
- New administration guide for NOC signature push

- New administration guide for NOC configuration synchronisation
- Auto-scaling support for IPS, based on number of CPU cores available
- Improvements to web proxy to workaround broken Amazon data 'chunking'
- Improve handing of HTTP requests in high-fragmentation networks
- Obsolete dissolved, uninhabited, or control transferred countries: Netherlands Antilles (AN), Bouvet Island (BV), Cocos Keeling Islands (CC), South Georgia & South Sandwich Islands (GS) and Heard Island & McDonald Islands (HM)
- Improve Global Monitoring System support for services installed but not enabled
- Enhancements to holistic event colorisation on web and console displays
- Deployment of package signatures for PUSHCODE archives
- Deployment of package signature for all packages
- Improvements in support for large numbers of security module in low-RAM 32bit boxes (compatibility mode)
- Support for CHUNKING/BDAT options in SMTP client/server
- Enhanced support for UDP transparent proxying
- Improvement for Content Delivery Network delivery of package updates
- Improvements to reporting of Global Monitoring System sensor updates

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 3 Features
April 2014

On Tuesday, 1st April 2014, 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:

- Extensions to Global Monitoring System
- Support for new device types and models
- Improvements to provisioning and upgrades
- 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.

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 UK** **Network Box USA** Contributors	Tel: +852 2736-2078 Fax: +852 2736-2778 www.network-box.com

Network Box
Capital Outstanding Enterprise Award 2014

Network Box won at the, 'Capital Outstanding Enterprise Awards 2014.' Michael Gazeley, Network Box's Managing Director, collected the award on behalf of the Network Box, and gave a short talk about the dangers of cyber surveillance in the modern world.

Network Box USA
CompTIA security blog

In his recent CompTIA blog titled *"Transition to IPv6 Begins Slowly but Surely"*, Network Box USA CTO, Pierluigi Stella, discussed the current issues of IPv4 and IPv6. The article has been well received within the IT community and has been retweeted by many associations, including the American Registry for Internet Numbers (ARIN).

LINK: http://www.comptia.org/news/blog/view/14-03-24/Transition_to_IPv6_Begins_Slowly_but_Surely.aspx

Network Box Singapore
Network Box HQ Visit

In preparation for the imminent launch of our new Security Operations Centre in Singapore, Network Box formally welcomed members of the Network Box Singapore team to headquarters. During the one-week training program, Network Box Singapore's Security Response team received detailed technical Network Box 5 tutelage from CTO, Mark Webb-Johnson.

NETWORK BOX