MANUAL

Configuring your MikroTik as a Standard LucidView Enforcer

Version 6

<u>Table of Contents</u>

STANDARD LUCIDVIEW ENFORCER

Guide version

Please visit http://www.lucidview.net/making-enforcers/ to make sure you have the latest version of this Install guide. **This guide is version 6**

About

Access to the LucidView Enforcer Portal will allow you to configure any MikroTik router running RouterOS to make use of the LucidView Content Filter, and give access to the powerful LucidView Reporting engine on the Internet traffic flowing through the MikroTik router.

We call such a configured MikroTik a LucidView Enforcer™.

Standard vs. Bolt-On Enforcer

http://www.lucidview.net/making-enforcers/

It is very important to understand the difference between a Standard vers a Bolt-on Enforcer, as described in the link above

GENERATING & DOWNLOADING THE LUCIDVIEW ENFORCER SCRIPT FOR YOUR MIKROTIK ROUTER

Once you have registered your organisation and logged in, you will be directed to the Welcome page. (See image below)

Days Remaining in Free Trial : 14
Make permanent now, to ensure uninterrupted service.

Welcome, Demo

Welcome to managing absolute insight.

Please select an option from the top right hand side menu, or from the buttons below.

Basic tasks include;

- Viewing all, or claiming an enforcer.
- Change or update basic information, and request new API tokens.
- Managing Personalised branding
- Logging into the LucidView Dashboard, for access to all available data.

Please read and understand this document before attempting to create any new Enforcers.

View Enforcers   Reseller Profile   Personalised Branding   Dashboard Access
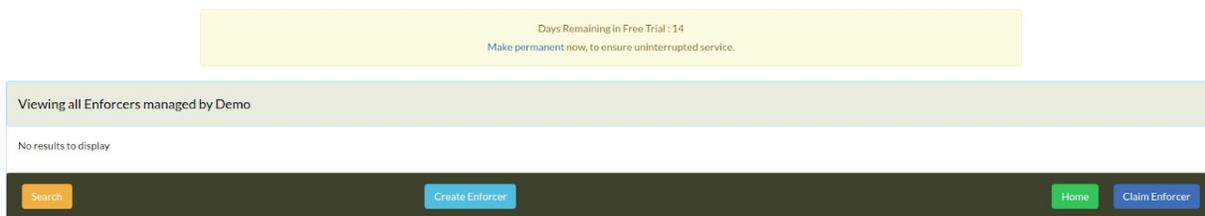

Click on the **View Enforcer** button as per the image above.

Click on **Create Enforcer** button

Fill in all the relevant information as per the image below, then click **Create**:

NB: Be sure to select select e20,e50 or e100 to make a Standard Enforcer

A pop up will a appear to confirm all the details. Click continue.
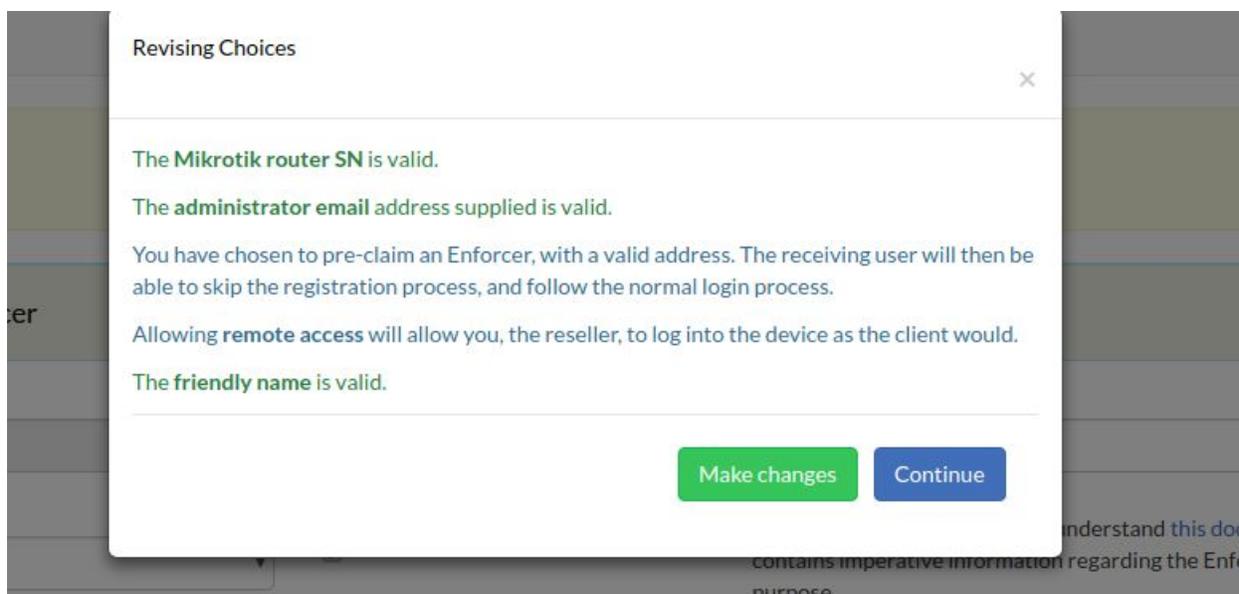
After you have clicked **continue** your Enforcer will appear as example below.

A new Enforcer has been successfully added!

Viewing all Enforcers managed by Demo

Device Serial	LucidView ID	Admin Address	Current Month Cost	Last Update	Friendly Name	Device Type	Access	Generate Report	Edit Config	Download Script
123456789987	468a5dcb	demo@lucidview.net	N/A	2018-11-12	Demo	e20	Login	Generate	🔍	⊕

Search   Create Enforcer   Home   Claim Enforcer

To download the script press the **down arrow**.

Access	Generate Report	Edit Config	Download Script
Login	Generate	🔍	⊕

Home   Claim Enforcer

When you click the down arrow you will be taken to this page, Click on **Generate**.

Additional Information for :468a5dcb

Device is claimed   Created At : 2018-11-12   VPN Username : 468a5dcb

Last Update : 2018-11-12   VPN Password : 280d39920344d6087529e9ae9f2d202cf45ae748dbce9d84c2575c9714da8ad

Claimed At : 2018-11-12

Cost is currently unavailable   Enforcer Install Script : Generate

Device Status : Offline   Please Note : This install script is intended for Mikrotik routers running RouterOS(Firmware) version 6.43.3 and above only. To successfully complete the imaging process, the Mikrotik requires Internet access, as well as traffic flow.

View Config   Back

When you click Generate and Download your script will be downloaded for the MikroTik. Save the file in a place you can easily find. It will be in a format similar to the following, **468a5dcb.rsc**, i.e., a unique combination of 8 letters and numbers with the extension .rsc.
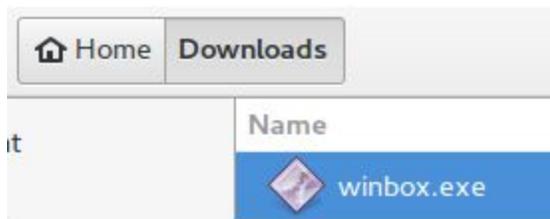
APPLY LUCIDVIEW ENFORCER SCRIPT TO MIKROTIK ROUTER

Connecting to the MikroTik router

Download the winbox application. This is a utility to configure MikroTiks.
https://mikrotik.com/download

At the date of writing this document, the latest version is Winbox 3.11

Run the application.

Double click on the application to run it. Windows might ask you permission to run the program.

Connect the MikroTik to your ethernet port on the laptop or desktop computer. Use port 2 on the MikroTik. <u>Do not</u> plug the LAN cable into port 1 labelled Internet. By default, your LAN should be configured to automatically get an IP address from the MikroTik. If you have a static IP configured on your LAN port, please change that to DHCP at this point.
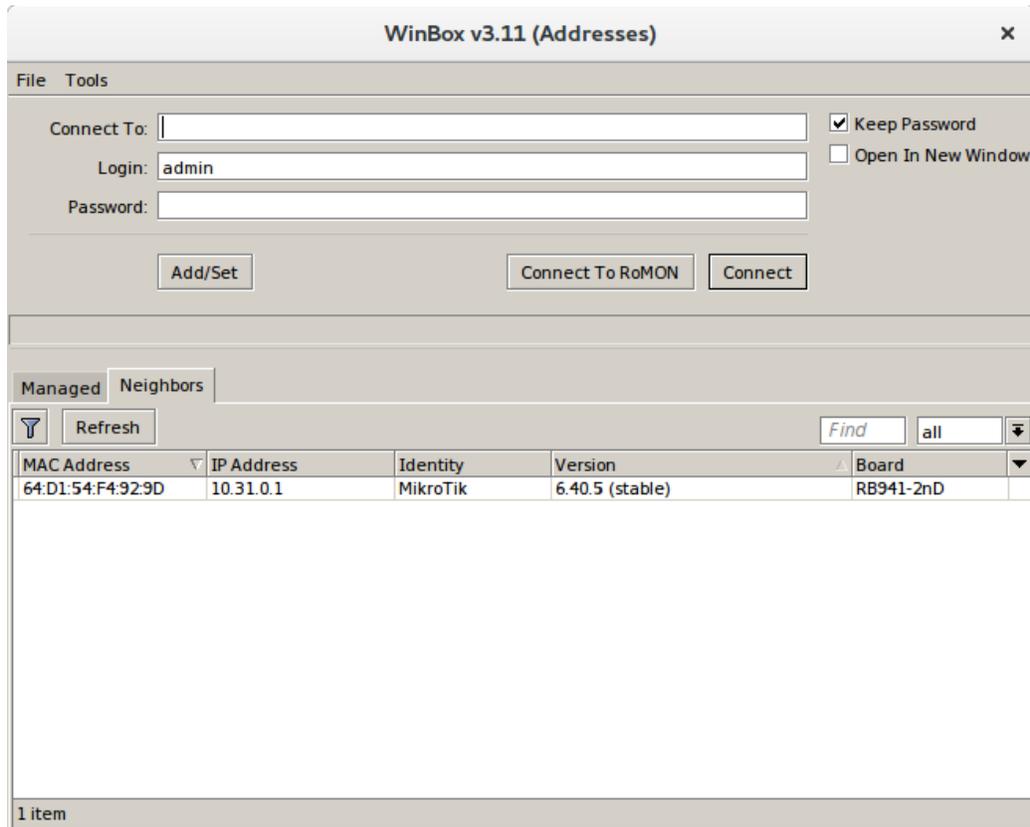
The winbox application should come up as shown above.

If the MAC address is not shown in the list give it a few seconds to discover the MikroTik. If more than one appears, check the MAC address on the MikroTik hardware and pick that one from the list.
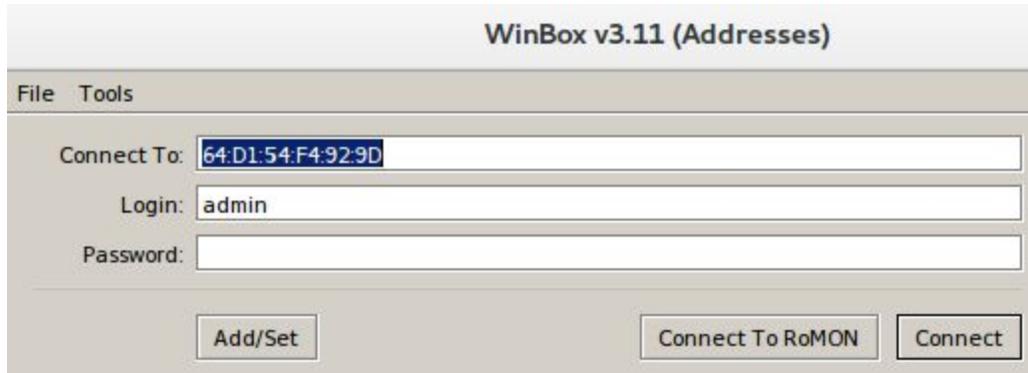
Click on the MAC address so it populated the **Connect To** field with the MAC address as shown above.

The username should be *admin*, and the password field should be *blank*.

Click **connect.**
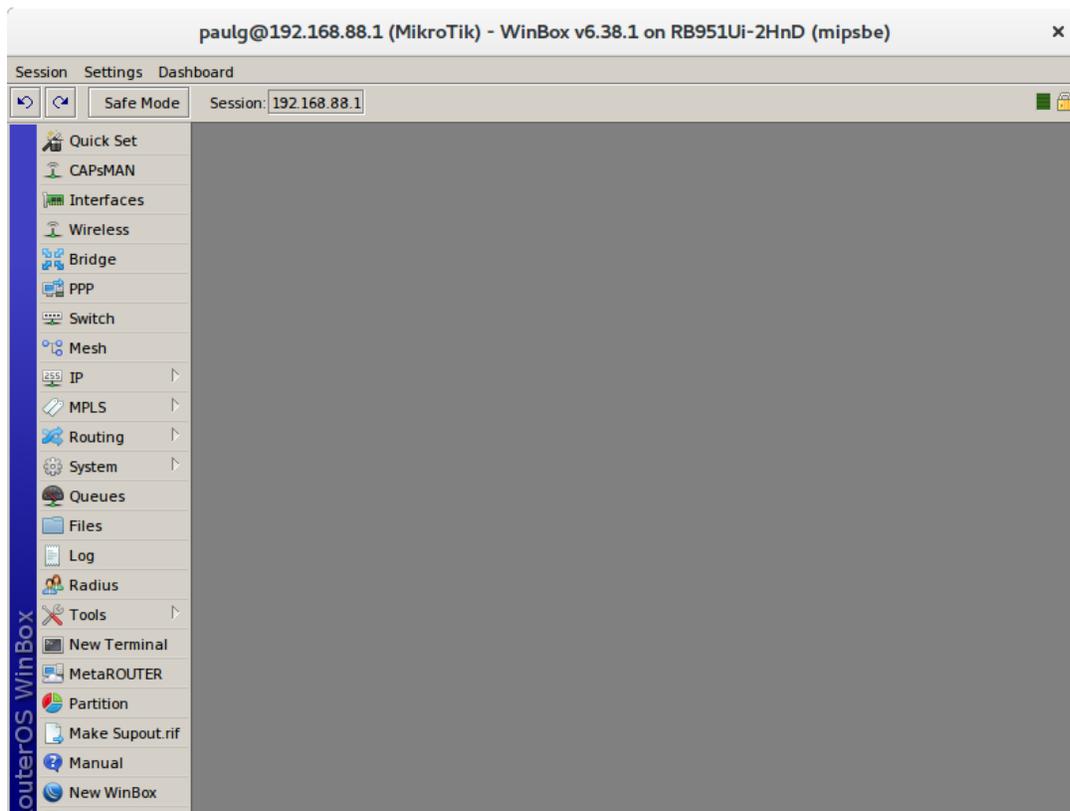
If the window above appears you have successfully opened the configuration interface of the MikroTik.

When the MikroTik starts up for the first time it will also have a small popup window with three options. The one option is OK. Click **OK** so you see the Window above.

UPLOAD THE CONFIGURATION SCRIPT TO THE MIKROTIK ROUTER

Click on the **Files menu icon.** This is files can be uploaded to the MikroTik.
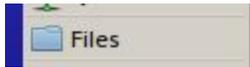
You may see a few files listed already.

Click on the **Upload** button and **upload the file ce03dafb.rsc** (the file with the specific name you downloaded earlier). This is the configuration script allowing the MikroTik to be controlled from the Lucidview Cloud.
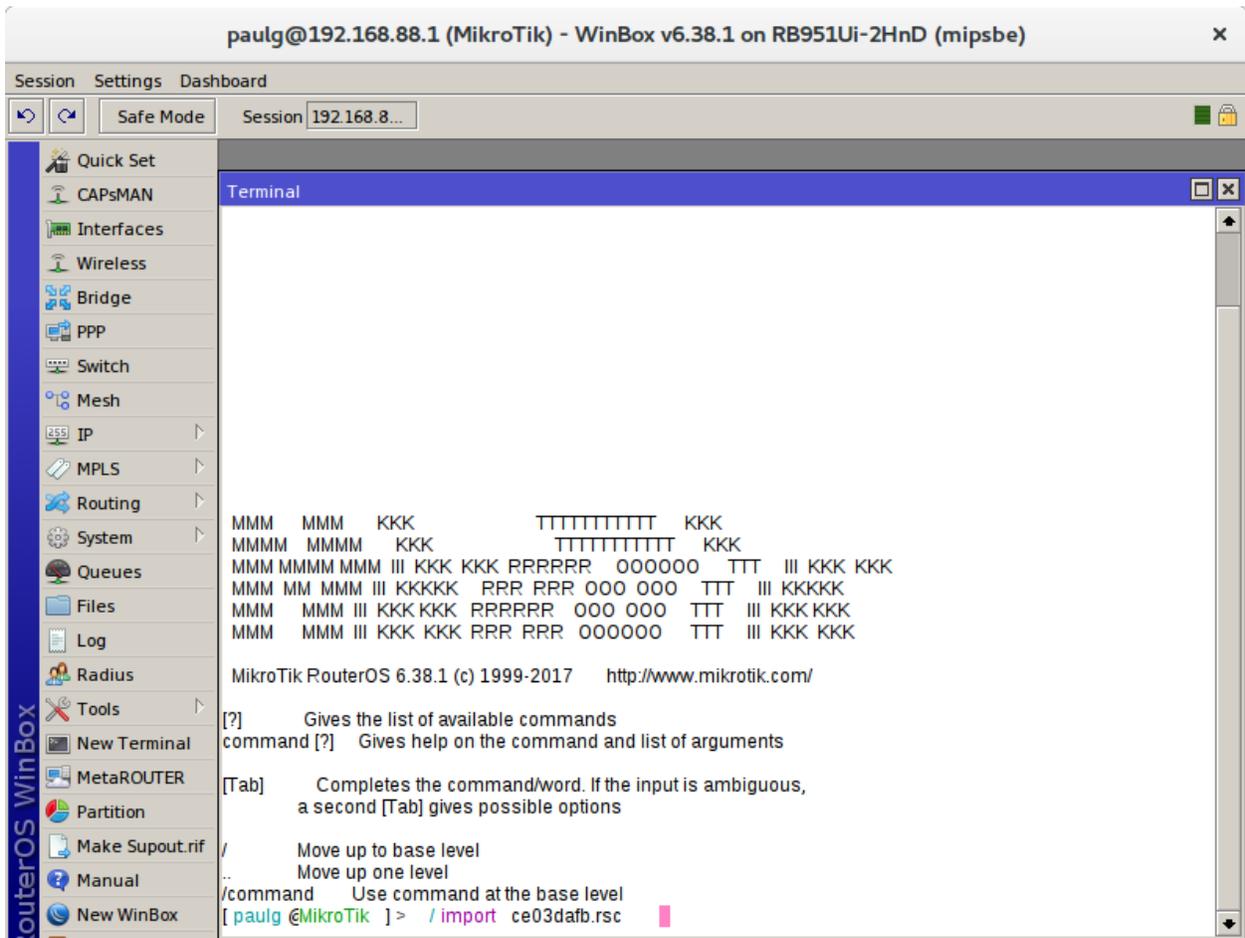

Click on **New Terminal**.

RESET MIKROTIK & RUN LUCIDVIEW ENFORCER SCRIPT

Below we have two methods of resetting the MikroTik, and running the lucidView Enforcer script.

1. Method 1 does it in two steps.
2. Method 2 does the two steps in a single command.

Method 1 - Reset & Configure in two steps

The first option allows you to see any error messages that may appear. We suggest this method for the first few MikroTik routers that you configure.

First reset the MikroTik in the terminal above enter the command
> *'system reset-configuration no-defaults=yes'*

Once the MikroTik has rebooted reconnect on the MAC address. In the terminal type
	'/import ce03dafb.rsc'

(use the filename you downloaded earlier) and press **enter**.

Observe the screen and note any errors. If there are any errors please do contact us for support on support@lucidview.net

If no errors were observed the MikroTik should be imaged and ready to go. Please click on **System and Reboot button** and reboot the MikroTik.

Method 2 - Reset and Configure in one step

Connect to the MikroTik on its MAC address while connected to port 2.

Upload the configuration script as described above, i.e., ce03dafb.rsc.

Enter the command
	'system reset-configuration no-defaults=yes run-after-reset=ce03dafb.rsc.'

The command above will reset the MikroTik to a blank state and then run the configuration script. After this step the MikroTik should be a fully fledged Standard LucidView Enforcer.
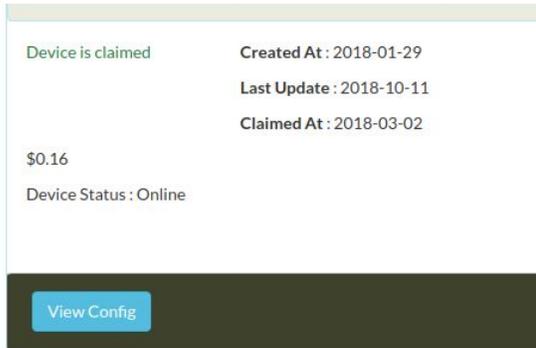
TEST THE MIKROTIK

The MikroTik should now be ready for first time use.

Check connectivity of the MiroTik from the LucidView Portal

In order to see if your device is online click on the Enforcer's LucidView ID in the Portal:

| 987654321123 | 2d2efacf | demo@lucidview.net | N/A | 2018-11-12 | Demo 2 | Bolt-On | Login | Generate | 🔍 | ⊕ |

| Search | | Create Enforcer | | | Home | Claim Enforcer |

You will be directed to your Device Status.

Confirm that the device status indicates Online,,without any warnings.

LOGIN TO ENFORCER TO CONFIGURE

Click on **login** to access the Enforcer, and navigate through its menu to configure.