

YubiKey Token Reprogramming

Generating YubiKey Device CSV for MyID MFA



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Introduction



Note

MyID MFA and MyID PSM were previously known as Authlogics products. Authlogics is now an Intercede Group company and the products have been rebranded accordingly.

The term 'Authlogics' may still appear in certain areas of the product.

This document describes the process for configuring your YubiKey device so that it can be used to authenticate YubiKey generated One Time PIN (OTP) locally and not require access to the internet-based YubiKey servers for validation.

Consideration

MyID Multi-Factor Authentication version 4 and above needs to be installed, configured and fully operationally. Furthermore, users issued with YubiKey devices will need be provisioned to MyID PINpass prior to customising and provisioning YubiKeys for local MyID server validation.

YubiKey Personalisation

Intercede introduced the ability to locally process YubiKey generated one-time codes in Multi-Factor Authentication solution version 4. Before YubiKeys can be used locally and no longer be validated using the YubiKey published servers over the internet, the devices will need to be customised and configured for MyID use.

The process defined below will generate a Comma Separated Value (CSV) file which will need to be imported into MyID MFA.

If the YubiKey is not customised as per the instructions below, YubiKey OTPs will still be sent to YubiKey hosted servers on the Internet and no local server processing will occur. As such, outbound Internet access to the YubiKey servers will be required from the MyID Authentication servers will be required.

Configuring YubiKey Devices

Customisation is performed through the YubiKey Personalization Tool. We recommend using the Graphical User Interface version and not the command-line tool. This tool can be downloaded from <https://www.yubico.com/products/services-software/download/yubikey-personalization-tools/>

YubiKey personalization tools

[Home](#) / [The YubiKey](#) / [Services & Software](#) / [Downloads](#) / [YubiKey Personalization Tools](#)

Note | This project is no longer under active development. Use [YubiKey Manager](#) to configure a YubiKey device.

Use the YubiKey Personalization Tool to configure the two slots on your YubiKey on Windows, macOS, and Linux operating systems. The tool works with any YubiKey (except the Security Key). You can also use the tool to check the type and firmware of a YubiKey, or to perform batch programming of a large number of YubiKeys. In addition, you can use the extended settings to specify other features, such as to disable fast triggering, which prevents the accidental triggering of the nano-sized YubiKeys when only slot 1 is configured.

(This tool works on all Yubico devices except the FIDO U2F Security Key, the Security Key by Yubico, and the Security Key NFC by Yubico.)

YubiKey Personalization Tool (preferred) v3.1.25

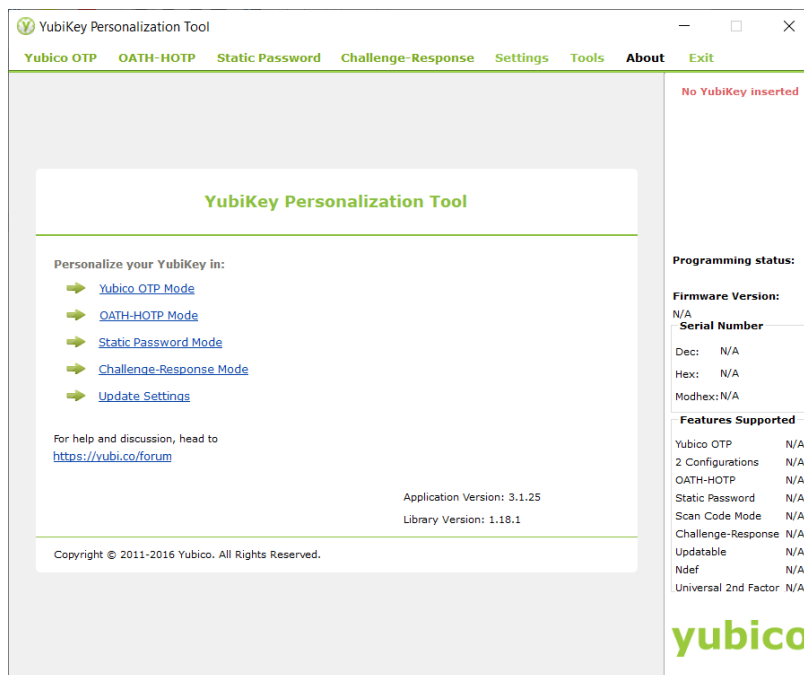
- [Linux Download](#)
- [Mac Download \(.pkg file\)](#)
- [Microsoft Windows Download](#)

YubiKey Personalization Tool (command line interface) v1.19.0

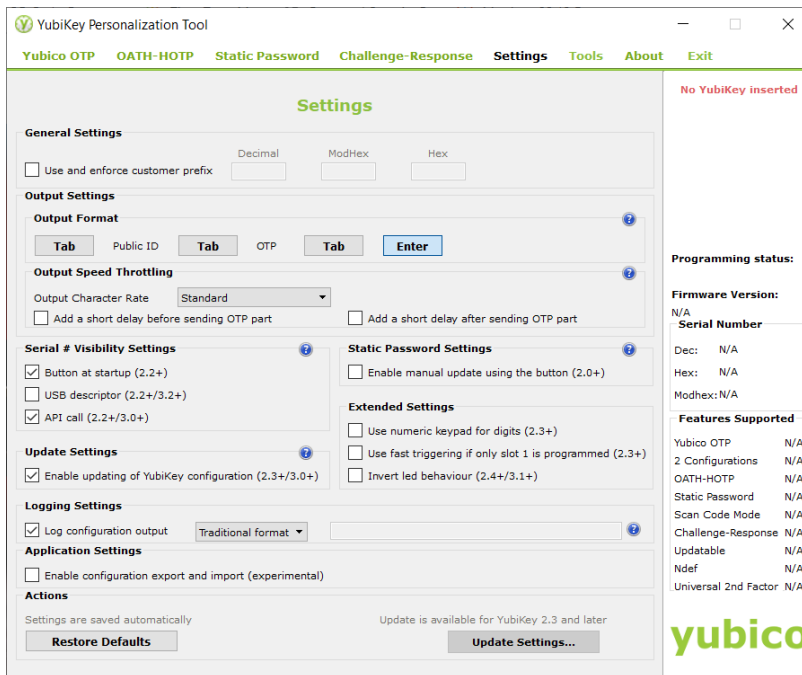
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Once installed and executed, please follow the instructions to customise the YubiKey. To start, ensure that no YubiKey devices are inserted into the workstation.

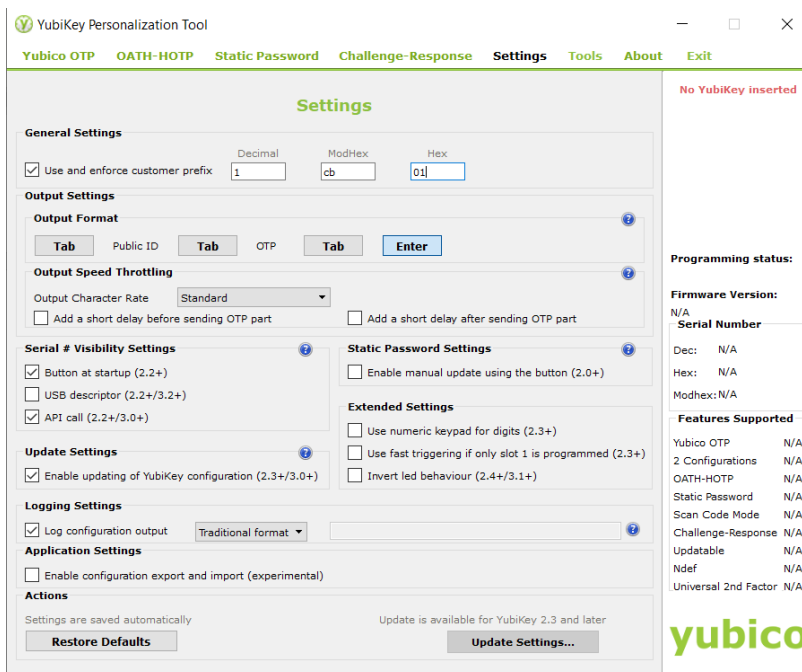
- (1) Start the YubiKey Personalization Tool and select **Yubico OTP Mode**.



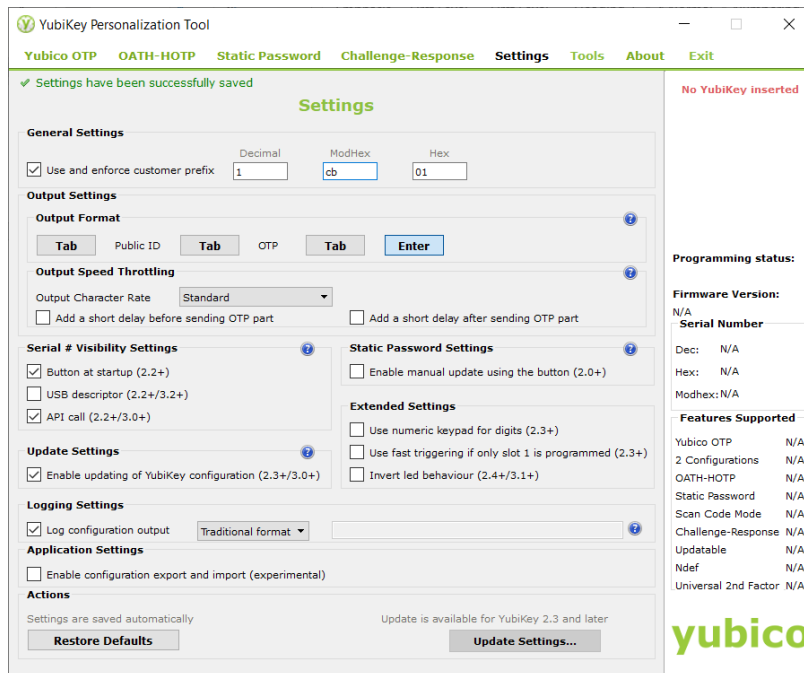
(2) Select Settings



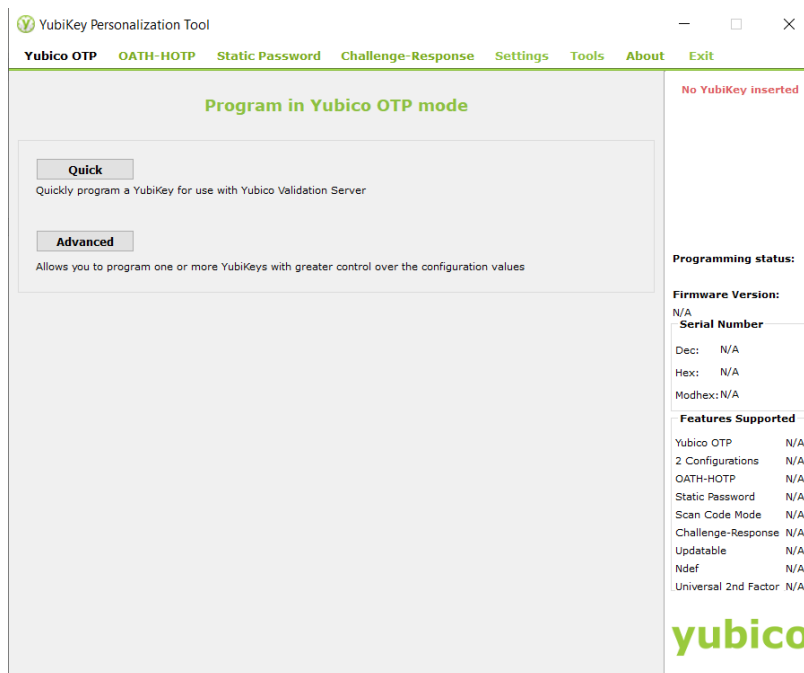
(3) In General Settings, enable **Use and enforce customer prefix** and specify a value between **01** and **FF** in the **HEX** field



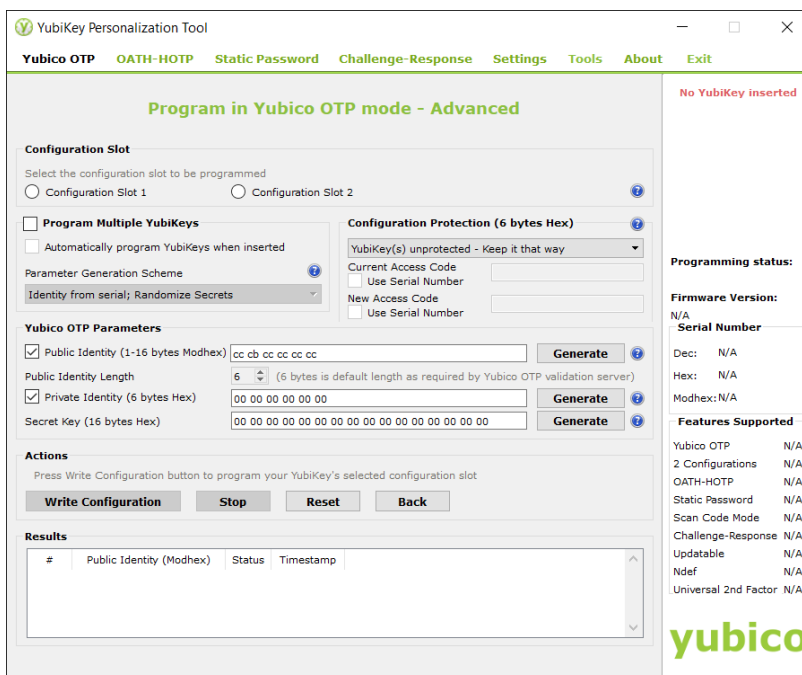
- (4) Once a Hex has been added, click on the Decimal or ModHex fields for the settings to be saved. The message *Settings has been successfully saved* will be displayed in the top left corner.



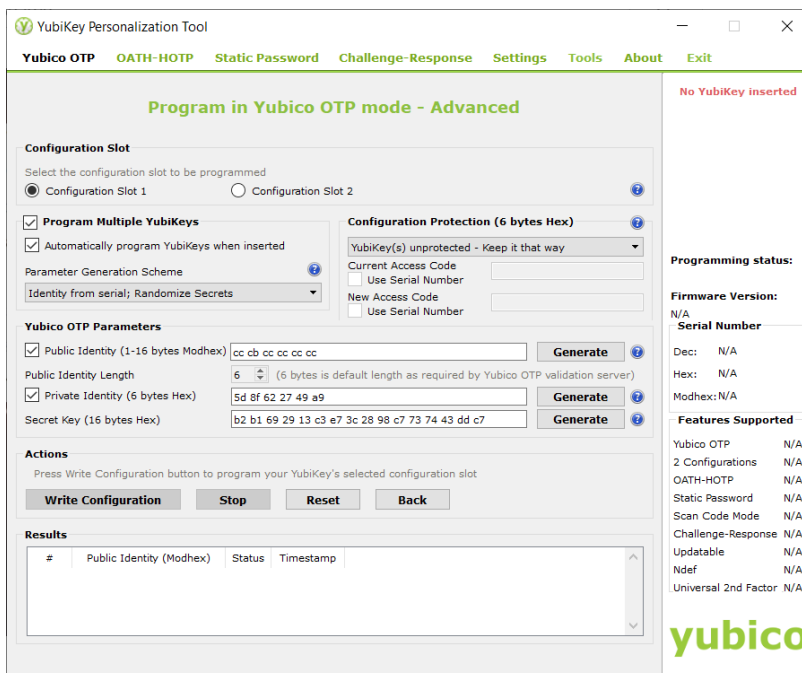
- (5) Select Yubico OTP



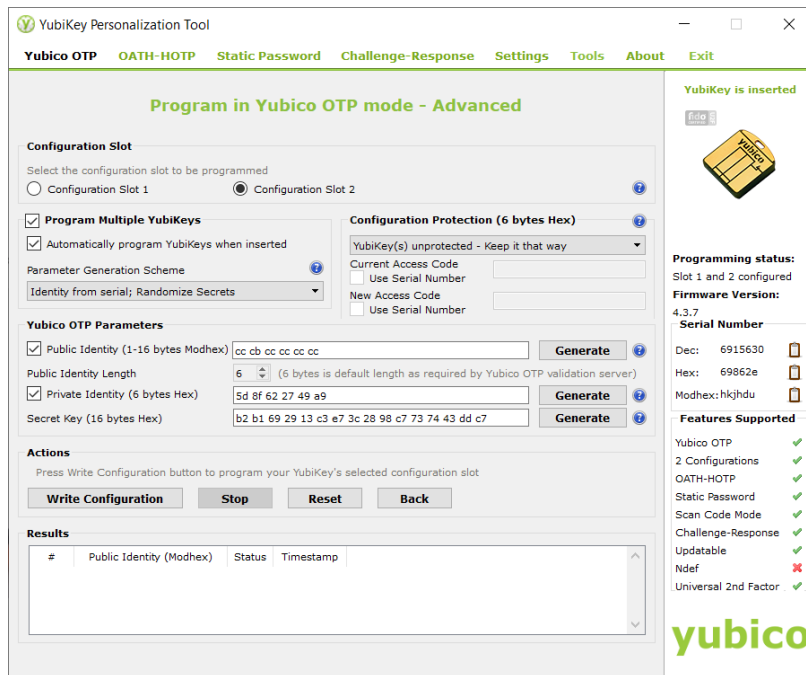
(6) Select Advanced



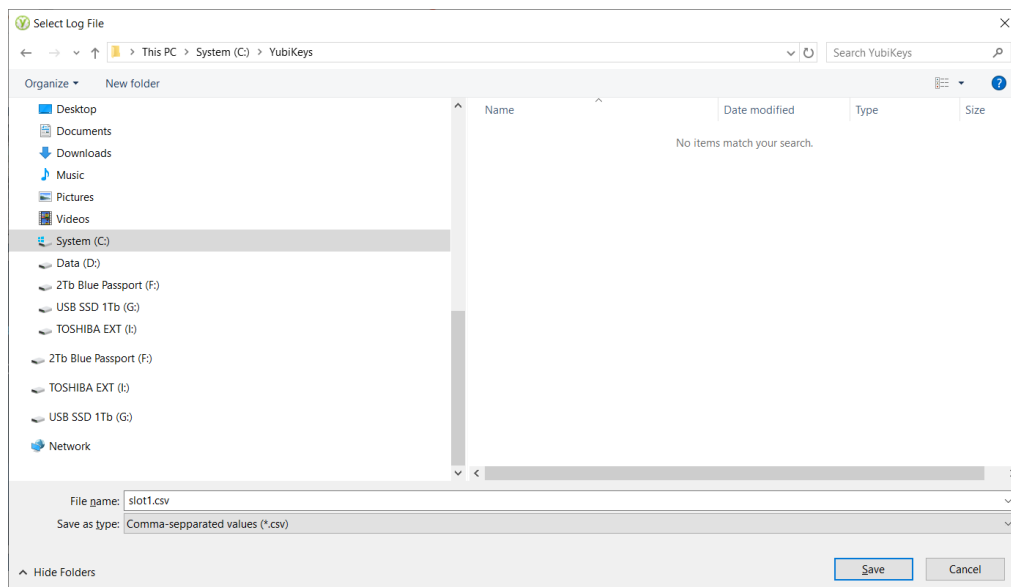
(7) Select **Configuration Slot 1** to re-program the short press slot of your YubiKey device. Enable **Program Multiple YubiKeys** and **Automatically program Yubikeys when inserted**.



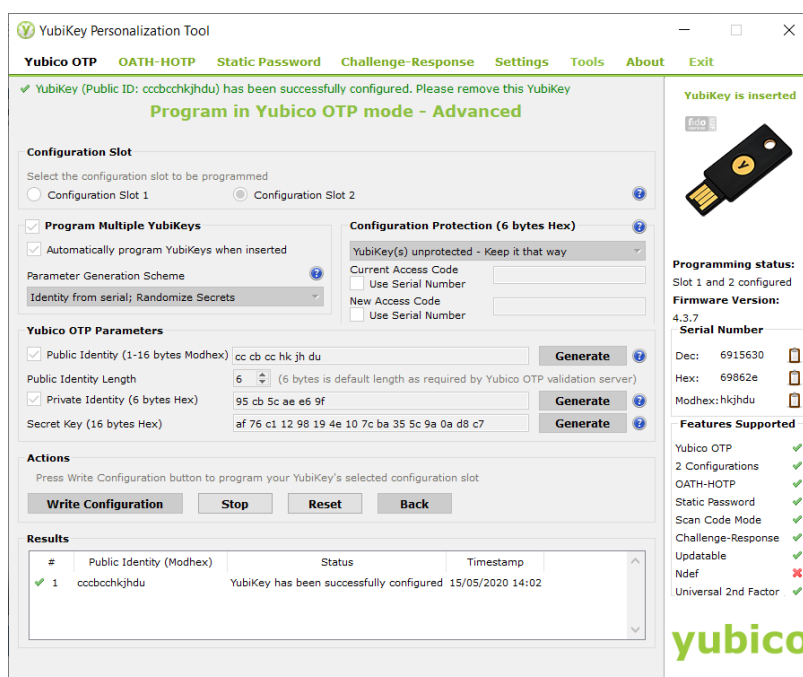
- (8) Insert your YubiKey device into the workstation and select **Write Configuration** under Actions.



When Write Configuration is selected, a CSV file (slot1.csv) will be created and saved in a folder that you select.

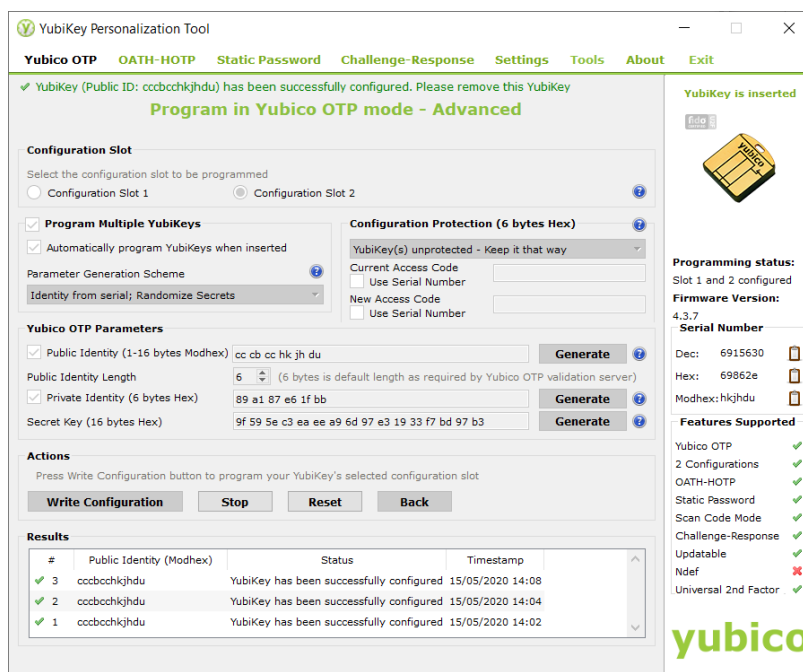


The Results field will reflect the changes to the YubiKey device.



- (9) Remove your YubiKey device and insert the next device. Each device inserted will be reprogrammed with the details written to the CSV file selected in Step 8.

All new devices inserted will be listed in the Results pane.



All your devices will now have been reprogrammed and the CSV file is ready for importing into the MyID Authentication Server. Details for importing can be found in the Authentication Server Installation and Configuration Guide:

<https://authlogics.com/download/authentication-server-installation-and-configuration-guide>