



How to Rewrite YubiKey AES Information?

For YubiOn Windows Logon Standalone

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Table of Contents

Copyright	2
Contact Information	2
1. Overview	4
2. How to Rewrite YubiKey Secret Key Information?	5
2.1. Using YubiKey Personalization Tool	5
2.1.1. Prerequisites	5
2.1.2. Steps	5
2.2. Using YubiKey Manager	8
2.2.1. Prerequisites	8
2.2.2. Steps	8

1. Overview

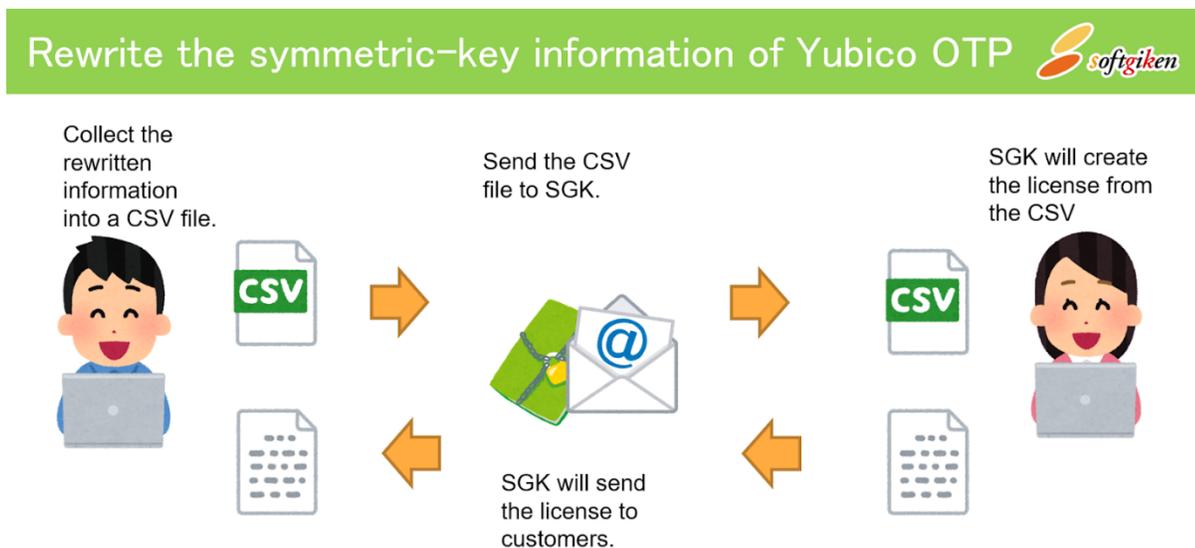
YubiOn Windows Logon Standalone authentication requires YubiKey secret key information. Based on it, we will create a license file and hand it to the customer. Then the customer will import the license file into YubiOn Windows Logon Standalone software to enable using YubiKey.

As a factory default, the YubiKey secret key information is not revealed, so to get this information, we have to use a tool to rewrite the YubiKey secret key information.

For users in Japan, we sell YubiKey, which has been rewritten the secret key information, but for foreign users who we cannot send YubiKey, customers have to rewrite their YubiKeys by themselves.

NOTE: After rewriting, the YubiKey factory default secret key information will be deleted, and you will not be able to use that key with others services using the default Yubico OTP. So make sure to use the YubiKey which does not have any problems even if you rewrite it.

The introduction process is as below:



The necessary information in the CSV file includes “Serial No.”, “Public ID”, “Private ID”, “Secret key”.

※ The secret key is important information used for authentication. Please handle it carefully so that you do not leak it to third parties.

e.g.)

99900000,vvcccccccc,1a000000000,00000000000000000000000000000000

99900001,vvcccccccd,1a000000001,00000000000000000000000000000001

This document describes how to rewrite the YubiKey secret key information.

2. How to Rewrite YubiKey Secret Key Information?

There are 2 ways to rewrite YubiKey secret information: using “YubiKey Personalization Tool” or using “YubiKey Manager”.

2.1. Using YubiKey Personalization Tool

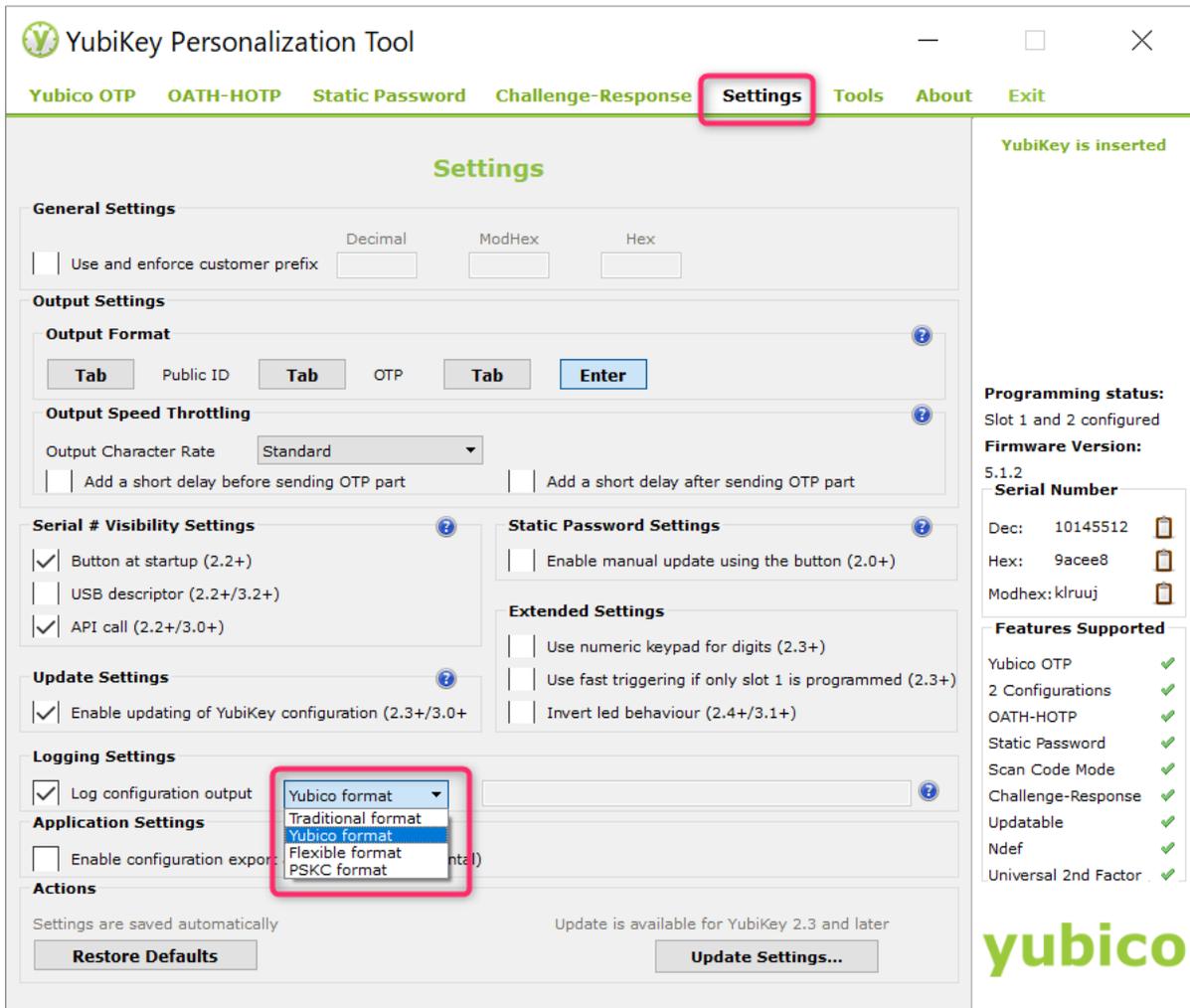
2.1.1. Prerequisites

Download and install “YubiKey Personalization Tool” from the Yubico homepage.

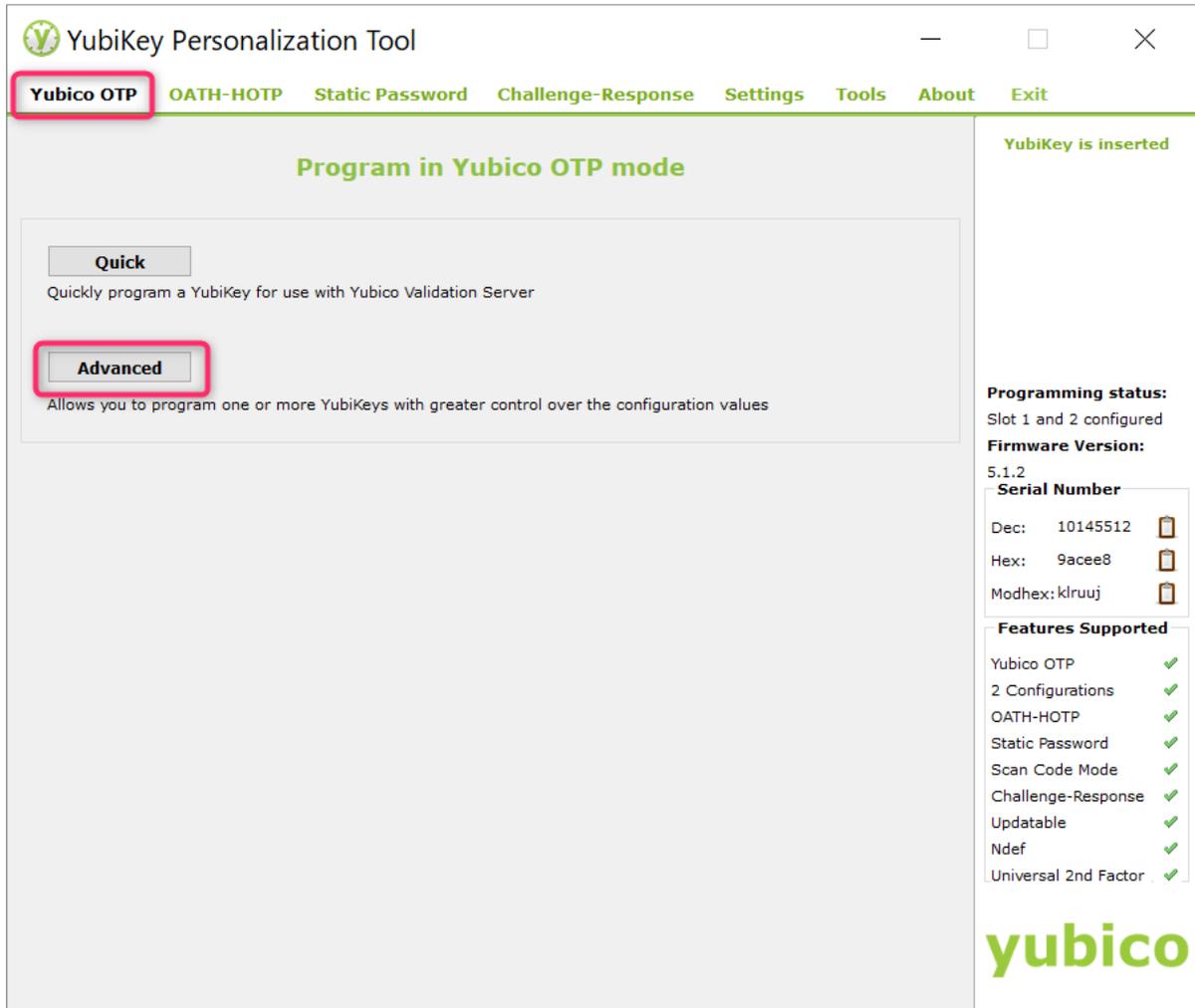
<https://www.yubico.com/support/download/yubikey-personalization-tools/>

2.1.2. Steps

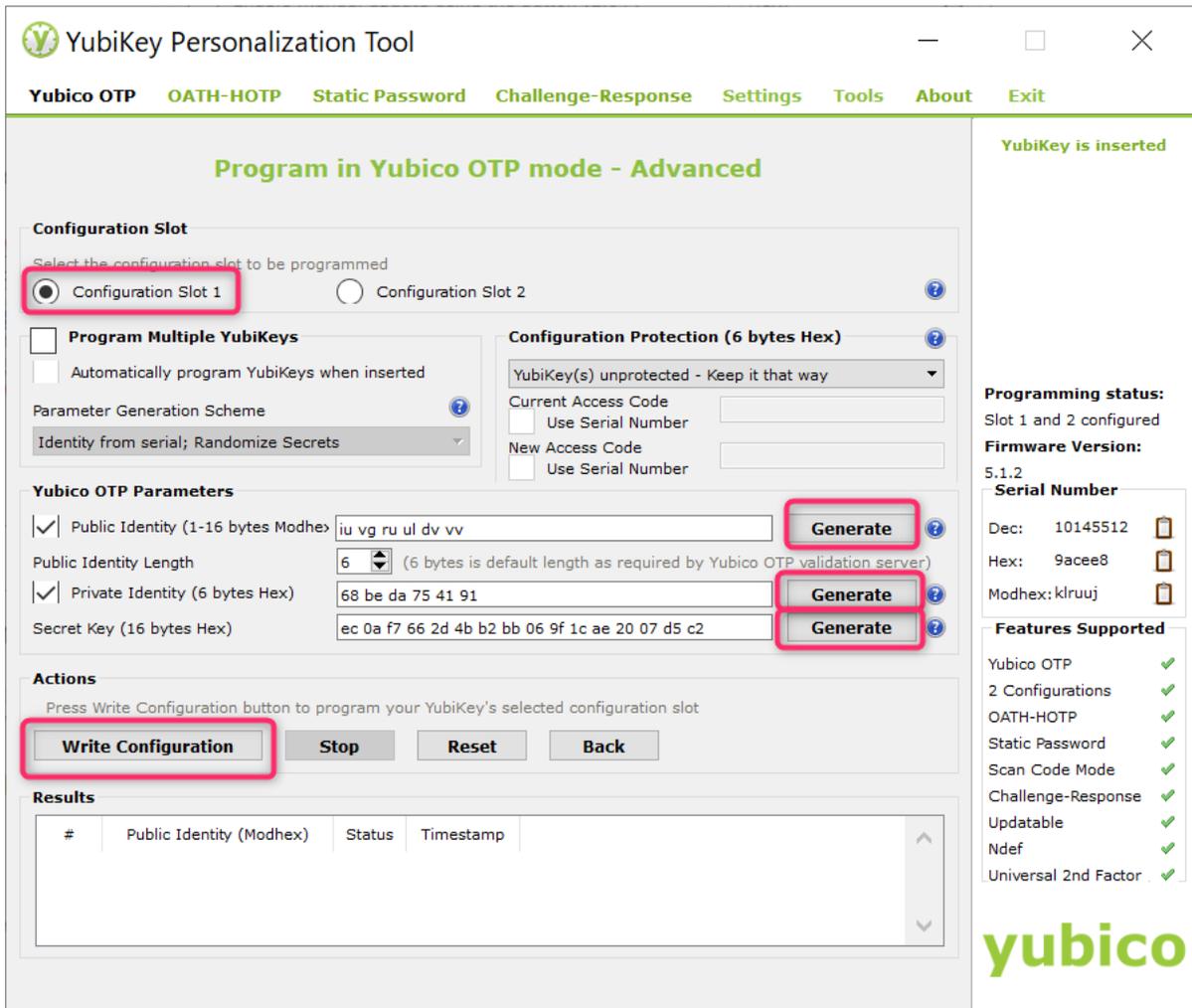
- 1 Open the “YubiKey Personalization Tool” application. Plug in the YubiKey you want to rewrite to the USB port.
- 2 Set the format:
Select the “Settings” tab.
Change the “Logging Settings” to “Yubico format”.



- 3 Rewrite the secret information:
Select the “Yubico OTP” tab.
Click the “Advanced” button.



Select the slot to rewrite. Slot 1 works with a short touch and Slot 2 works with a long touch. Click the 3 “Generate” buttons in the “Yubico OTP Parameters” part to generate key information. Click the “Write Configuration” button to execute the rewrite.



When rewriting, a window to specify the output destination of the CSV file is displayed. Save the CSV file in any directory.

The default is saved under the file name “configuration_log.csv”.

4 If there are multiple YubiKeys, plug in the next YubiKey and repeat the secret key information rewriting procedure.

※ The second and subsequent rewriting information will be added to the first specified CSV file.

e.g.)

99900000,vvccccccccc,1a000000000,00000000000000000000000000000000,000000000000,2022-07-19T16:32:30,

99900001,vvcccccccd,1a000000001,00000000000000000000000000000001,000000000000,2022-07-19T16:45:13,

Make sure that all YubiKey secret key information is entered in the above CSV file, and send the file to us.

2.2. Using YubiKey Manager

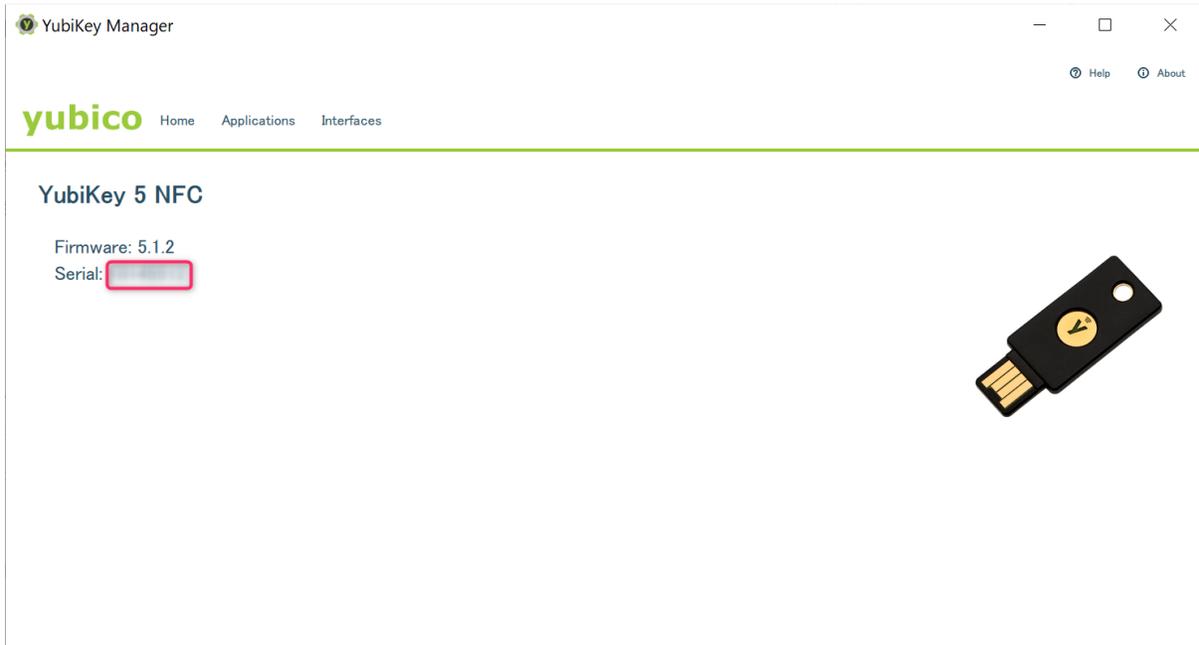
2.2.1. Prerequisites

Download and install “YubiKey Manager” from the Yubico homepage.

<https://www.yubico.com/support/download/yubikey-manager/>

2.2.2. Steps

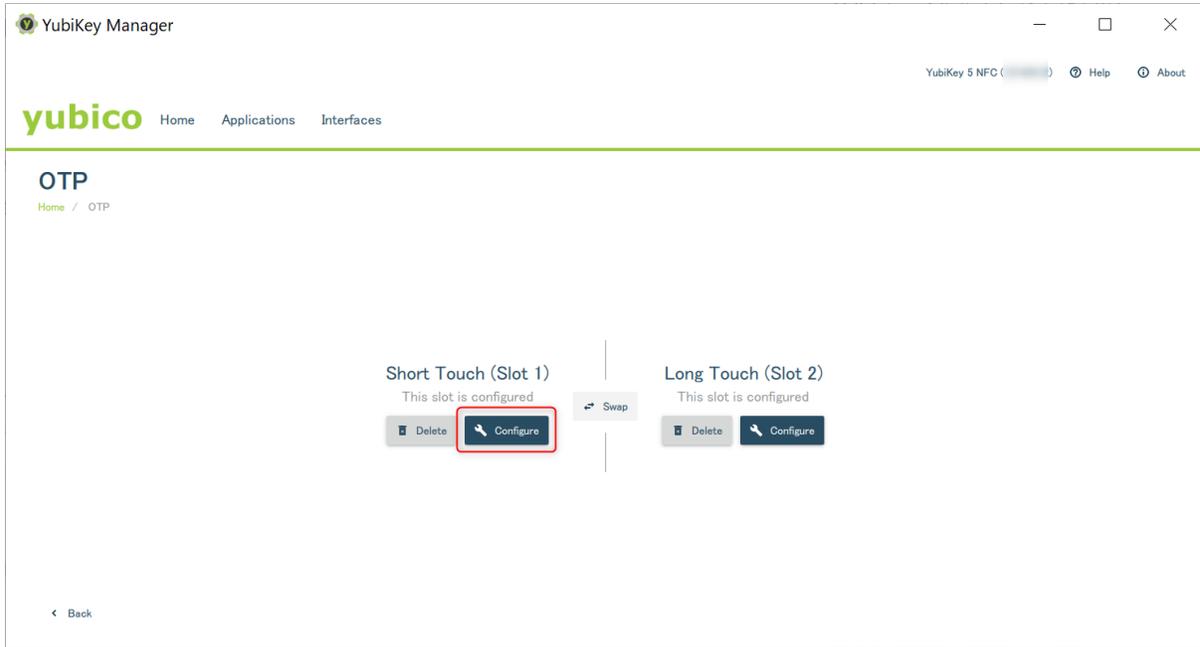
- 1 Open the “YubiKey Manager” application. Plug in the YubiKey you want to rewrite to the USB port. The information of YubiKey will be displayed. Write down the value of “Serial”.



- 2 Click the “Application” tab, and select “OTP”.



3 Click the “Configure” button under the slot you want to set.



4 Choose “Yubico OTP” and click the “Next” button.

