

VIP YubiKey Unlock Guide

Unlocking the VIP YubiKey for YubiCloud
OTP

February 22, 2013

Introduction

Yubico is the leading provider of simple, open online identity protection. The company's flagship product, the YubiKey®, uniquely combines driverless USB hardware with open source software. More than a million users in 100 countries rely on YubiKey strong two-factor authentication for securing access to computers, mobile devices, networks and online services. Customers range from individual Internet users to e-governments and Fortune 500 companies. Founded in 2007, Yubico is privately held with offices in California, Sweden and UK.

Disclaimer

The contents of this document are subject to revision without notice due to continued progress in methodology, design, and manufacturing. Yubico shall have no liability for any error or damages of any kind resulting from the use of this document.

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Trademarks

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1 The VIP YubiKey

The VIP enabled YubiKey has two configuration slots. When the VIP enabled YubiKey is shipped, its first configuration slot is factory programmed for Symantec VIP credentials and the second configuration slot programmed with a standard Yubico OTP is dormant in the second identity slot and can be activated using the YubiKey Personalization Tool. The two configuration slots of the YubiKey work independently and each can be independently reconfigured into OTP or static password mode.

The Yubico OTP configuration can be used for YubiCloud supported services such as the Yubico Web store, Forums or LastPass. This document details how to activate and use that configuration.

This document assumes the user has a computer with an internet connection and is capable of downloading and installing the YubiKey Cross-Platform Personalization tool from the Yubico website. This document further assumes the user is unlocking an unaltered VIP YubiKey purchased from the Yubico Web store with firmware 2.3.0 or above.

2 Unlocking the VIP YubiKey

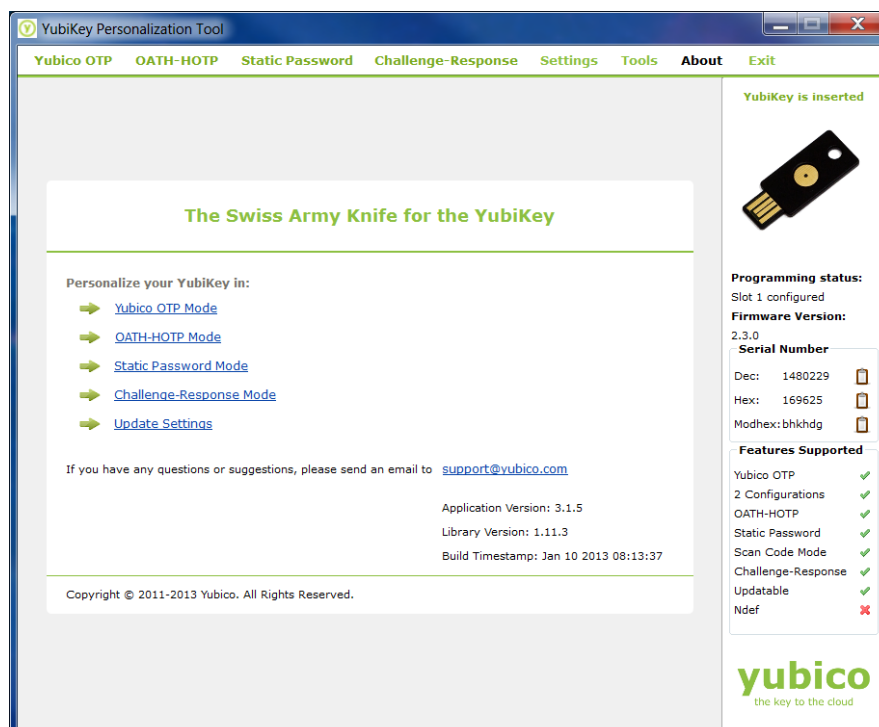
1. First, download and install the latest Cross Platform Personalization Tool for Windows from the Yubico Website at: <http://www.yubico.com/products/services-software/personalization-tools/use/> under the section "Cross platform personalization tools". There are a number of different installers for various operating systems – pick the installer for your operating system.

Cross-Platform Personalization Tool

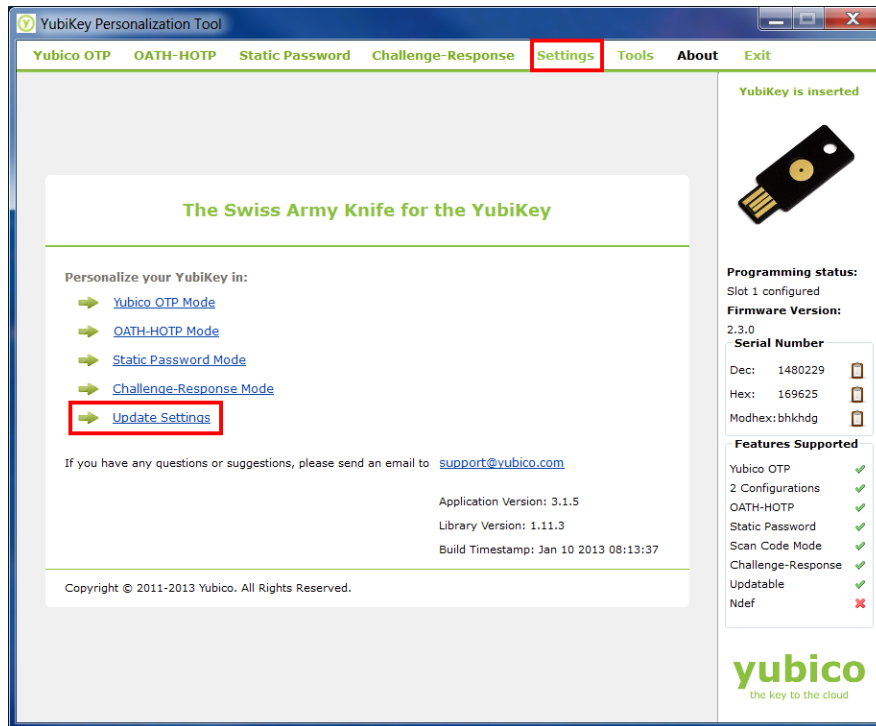
- Valid with any YubiKey
- Windows, Mac OS X and Linux
- Graphical user interface

» [User Guide](#)
» [Release Notes](#)
» [Windows: Binary installer](#)
» [Mac OS X: Binary installer](#)
» [Ubuntu package](#)
» [Feodora package](#)
» [Source code on GitHub](#)

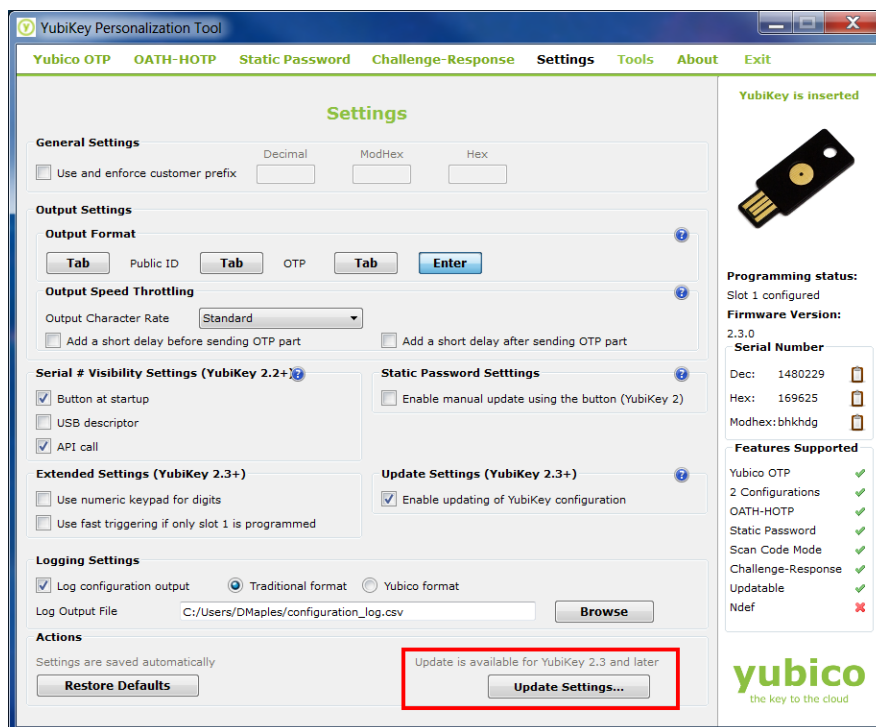
2. Once the Cross-Platform Personalization tool has been installed, insert your VIP YubiKey in a USB port on your computer and launch the YubiKey Personalization Tool.



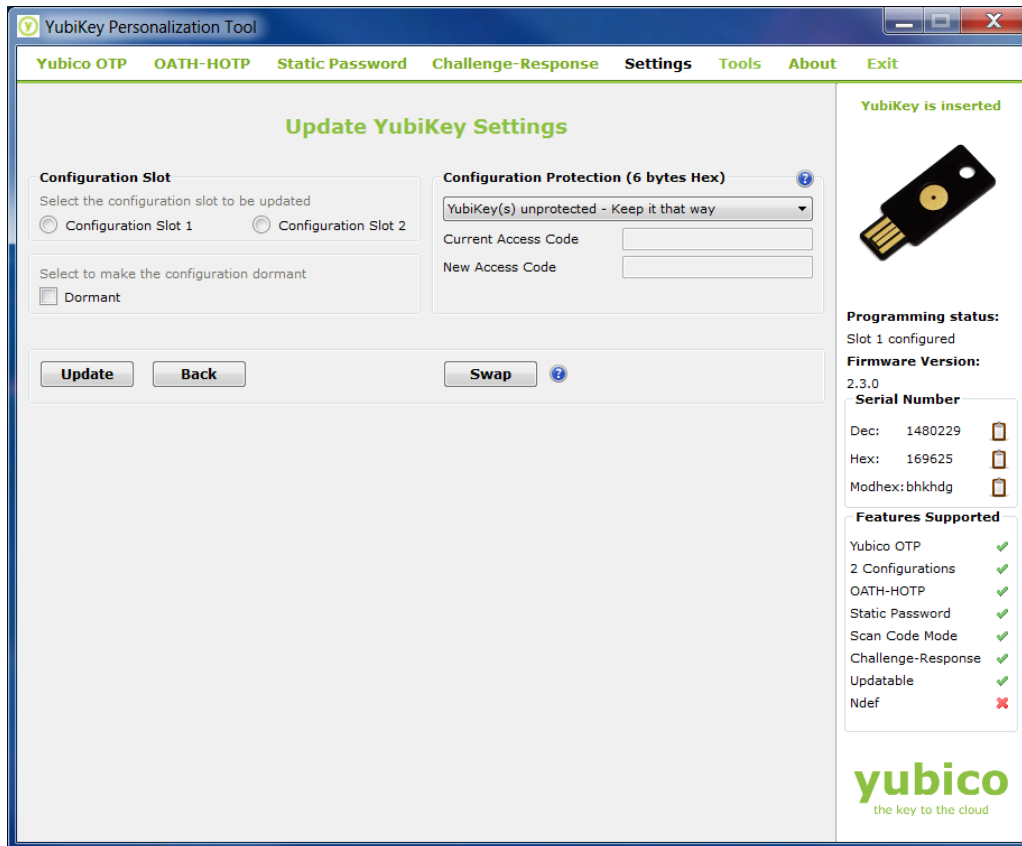
- In the Cross-Platform Personalization Menu, open the "Settings" menu by clicking on the link "Update Settings" on the main page or the "Settings" option from the menu at the top.



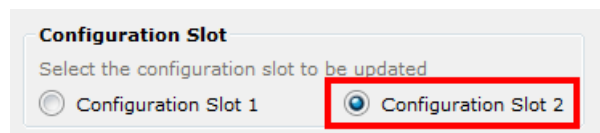
- In the Settings menu, locate the Update Settings button in the lower right corner and click on it.



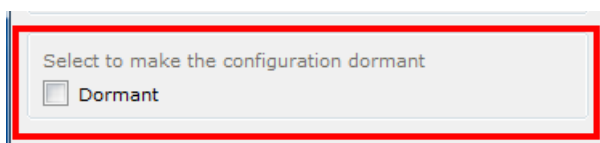
- The Update YubiKey Settings menu should be displayed. If this is not the case, confirm you have a VIP YubiKey with a firmware version of 2.3.0 or above.



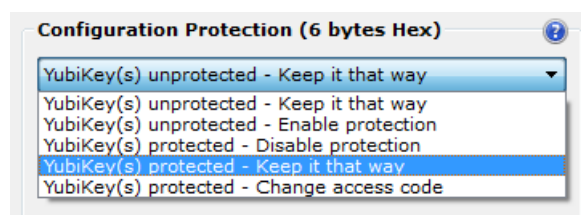
- Locate the section labelled Configuration Slot and select Configuration Slot 2



- Locate the checkbox labelled Dormant and ensure the box is not checked



- Locate the Configuration Protection section, and open the menu labelled "YubiKey(s) unprotected – Keep it that way". From this menu, select the option "YubiKey(s) protected – Keep it that way".



- This will activate the “Current Access Code” field in the Configuration Protection section. Enter your VIP YubiKey’s current access code, which will be five 0’s followed by the YubiKey’s serial number in Decimal format, as reported by the Personalization tool

Configuration Protection (6 bytes Hex)

YubiKey(s) protected - Keep it that way

Current Access Code: 00 00 01 48 02 29

New Access Code: [Empty]

Programming status:
Slot 1 configured

Firmware Version:
2.3.0

Serial Number

Dec: 1480229

Hex: 169625

Modhex: bhkhdg

Swap

For example:

If your Serial Number is “1234567”, then your Current Access Code will be “00 00 01 23 45 67”

- Press the Button labelled “Update” to activate your VIP YubiKey’s second slot with the Yubico OTP configuration.

Update YubiKey Settings

Configuration Slot

Select the configuration slot to be updated

Configuration Slot 1 Configuration Slot 2

Select to make the configuration dormant

Dormant

Configuration Protection (6 bytes Hex)

YubiKey(s) protected - Keep it that way

Current Access Code: 00 00 01 48 02 29

New Access Code: [Empty]

Update

Back

Swap

3 Using the VIP YubiKey

If you touch and hold the YubiKey button between 1-3 seconds before releasing, the first configuration slot will emit the password (based on slot 1 configuration). And if you touch and hold the YubiKey button about 4-5 seconds before releasing, the second configuration slot will emit the password (based on slot 2 configuration). In case if you happen to touch and hold it longer for more than 5 seconds, the touch button indicator will flash rapidly without emitting any password.

For more information about the YubiKey, Please refer cross platform personalization tool user guide on the Yubico Website:

<http://www.yubico.com/products/services-software/>