

Yubikey

Contents

- [1 Overview](#)
- [2 Prerequisites](#)
- [3 Configure the Yubico Yubikey](#)
- [4 Configure the Swivel User](#)
- [5 Testing](#)
- [6 Known Issues](#)
- [7 Troubleshooting](#)

Overview

Yubikey supports the use of OATH HOTP such as used with the Swivel [Token](#), or software tokens with a valid [Seed](#) can be used to authenticate Swivel users.

Prerequisites

Swivel 3.9.6

Yubico Yubikey token

[Yubico Yubikey programming tool](#)

Configure the Yubico Yubikey

[Programming Tool Video](#)

Insert the Yubikey and run the Yubikey programming tool. Select the following settings:

Configuration slot Configuration Slot 2

Oath-Token Identifier (6 bytes) uncheck

HOTP Length 6 digits

Hide Secret uncheck to copy seed

Then select the Action, Write Configuration

YubiKey Personalization Tool

Yubico OTP

OATH-HOTP

Static Password

Challenge-Response

Settings

Tools

Ab

Program in OATH-HOTP mode - Quick

Configuration Slot

Select the configuration slot to be programmed

☐ Configuration Slot 1

☒ Configuration Slot 2

OATH-HOTP Parameters (auto generated)

☐ OATH Token Identifier (6 bytes)

ubnu00 01 71 86

Generate MUI

HOTP Length

☒ 6 Digits

☐ 8 Digits

☐ Hide secret

Secret Key (20 bytes Hex)

98 d6 ef e0 38 e5 21 e2 48 8f ec 8b a9 a3 7b 36 64 0a dc 7b

Actions

Press Write Configuration button to program your YubiKey's selected configuration slot

Write Configuration

Regenerate

Back

Configure the Swivel User

Swivel uses a Hexadecimal **seed**, generated on the yubikey programming tool. Copy the Seed from the programming tool, remove any spaces and add the seed as a hardware or software HOTP token on the Swivel Administration console, see **Token**.

When the seed has been assigned to a user, open a text editor such as Notepad, and press when the green light on the Yubikey is pressed, an **OTC** is generated on the Notepad. Generate two **OTC** to synchronise the token.

Testing

Open a text editor such as Notepad, and press when the green light on the Yubikey is pressed, an **OTC** is generated on the Notepad. The **OTC** can be used to test a user authentication.

Known Issues

Troubleshooting

TOKEN_BAD_SEED

Ensure spaces are removed when importing a seed.