



DUO SECURITY Integration GUIDE

V1.1

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Feitian Technologies Co.Ltd

Website: www.FTsafe.com

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1. About This Document

Duo Security's hosted two-factor authentication service brings strong security to organizations, enhances the security of online account. Identity of user accessing server through mobile phone, tablet and tokens. This document is intended to help reader to import Feitian OTP tokens to Duo security system.

1.1 Audience

This document assumes the reader already created an account with Duo Security, if reader do not have one, could directly create Duo security account for free, please navigate to below links to register:

<https://signup.duosecurity.com/>

1.2 Feedback

We always appreciate and welcome your comments and suggestions on our documents. Please communicate such comments and/or suggestions to us if you are willing to help us improve our documentation.

1.3 Overview

This document covers the steps required to import the Feitian OTP tokens seed file and resynchronization OTP c100 and OTP c200(Event Based OTP & Time Based OTP). For others application on usage of the Duo Security please contact Duo Security.

1.4 Contact

Please contact Feitian world.sales@ftsafes.com with OTP serial number to get the csv format to import to Duo Security. You will receive a response within 24 hours. Note that Duo Security requires the seed (secret) values in CSV format

2. Importing OTP Tokens

2.1 DUO Security Login

This document assumes the reader already create an account with Duo Security, if reader do not have one, could create Duo security account for free, please navigate to below links to register:

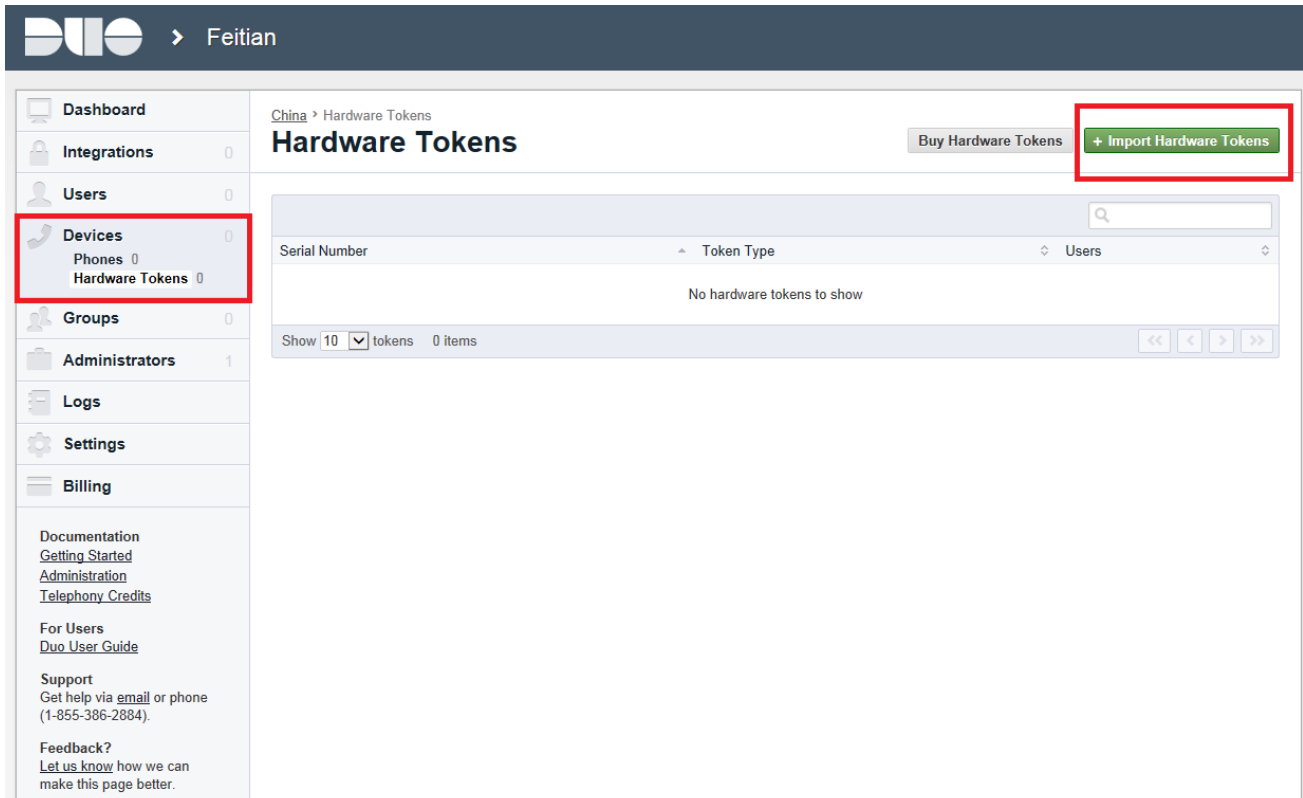
<https://signup.duosecurity.com/>

2.1.1 Login page

After register Duo security account, please follow with Duo security introduction to login.

2.2 Feitian Hardware Tokens

When login, please navigate to the tap Devices -> Hardware tokens-> Import Hardware Tokens



2.3 Import Hardware Tokens

It depends on OTP tokens type, please select correct tokens. On this document we select HOTP (Event Based OTP) and TOTP (Time Based OTP) as example.

2.3.1 Import c100 (HOTP) token

Once you received Feitian c100 (HOTP) tokens, please select Token Type: HOTP 6-digit, copy & past the token seeds into the CSV token data field.

HOTP counter must contain only digits 0 through 9.

China > Hardware Tokens > Import Hardware Tokens

Import Hardware Tokens

[Back to hardware tokens](#)

Duo supports HOTP, TOTP, and YubiKey tokens. Use this form to import your tokens; then you'll be able to add them to your users.

The CSV format depends on the type of tokens you're importing:

HOTP <serial number>,<HOTP secret key>[,<HOTP counter>]
 TOTP <serial number>,<TOTP secret key>[,<TOTP time step>]
 YubiKey <serial number>,<private identity>,<secret key>

Note: The HOTP counter field is optional and assumed to be 0 if not specified. The TOTP time step field is also optional and is assumed to be 30 seconds if not specified

Token type: HOTP 6-digit

CSV token data: 1006111111231,5317FC[REDACTED]3BBDC1C4

[Import Hardware Tokens](#)

Note that please do not modify the CSV data.

2.3.2 Import c200 (TOTP) token

Once you received Feitian c200 (HOTP) tokens, please select Token Type: TOTP 6-digit, copy & past the token seeds into the CSV token data field.

Note that please do not modify the CSV data.

2.3.3 Import Result

Once import CSV data successful, the following result should be provided, please contact world.sales@ftsafes.com for assistance if importing data is not successful.

3. Synchronizing Feitian OTP

Duo Security system only provide c100 (Event-Based OTP tokens) synchronizing, it is based on the OATH algorithm, for each HOTP value will be calculated based on the moving Factor (counter). About c200 (Time-Based OTP tokens) will not provide synchronizing, that's because the TOTP value is calculated by the GMT (Greenwich Mean Time) not counter.

3.1 Select Feitian OTP

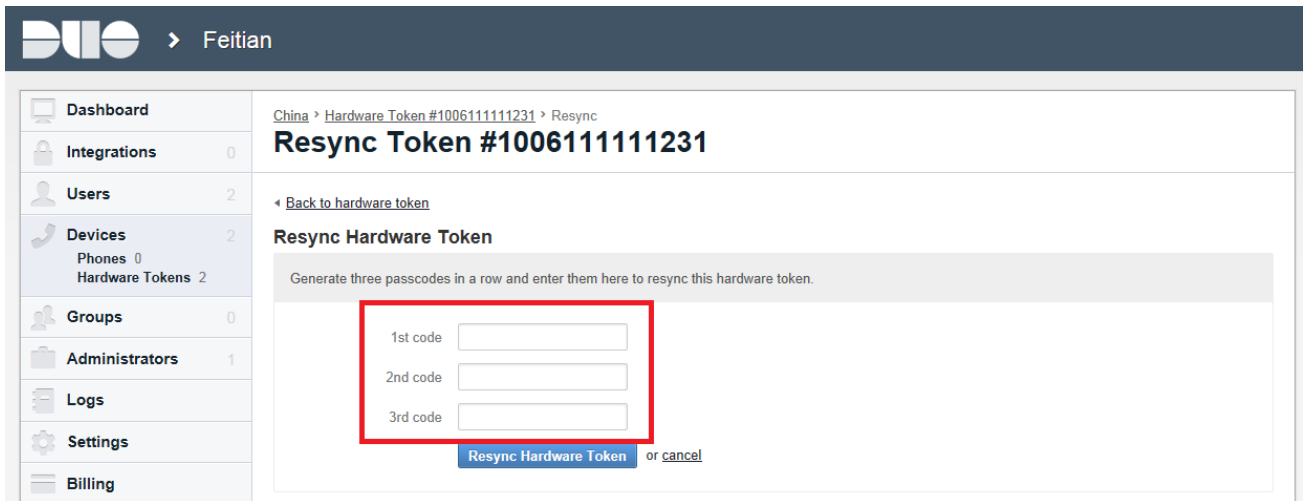
To synchronize a Feitian OTP, please select it from Hardware Tokens, select "Resyne Token"

The screenshot shows the Duo Security management interface. On the left is a navigation menu with items like Dashboard, Integrations, Users, Devices, Groups, Administrators, Logs, Settings, and Billing. The main content area shows the configuration for a specific hardware token. At the top right of this area, there are two buttons: 'Resync Token' (highlighted with a red box) and 'Delete Hardware Token'. Below this, there are sections for 'Details' (showing serial number and token type) and 'Users' (showing a table of users attached to the token).

Username	Name	Status	Last Login	
testhotp		Active	Never authenticated	Remove

3.2 Resynchronizing Tokens

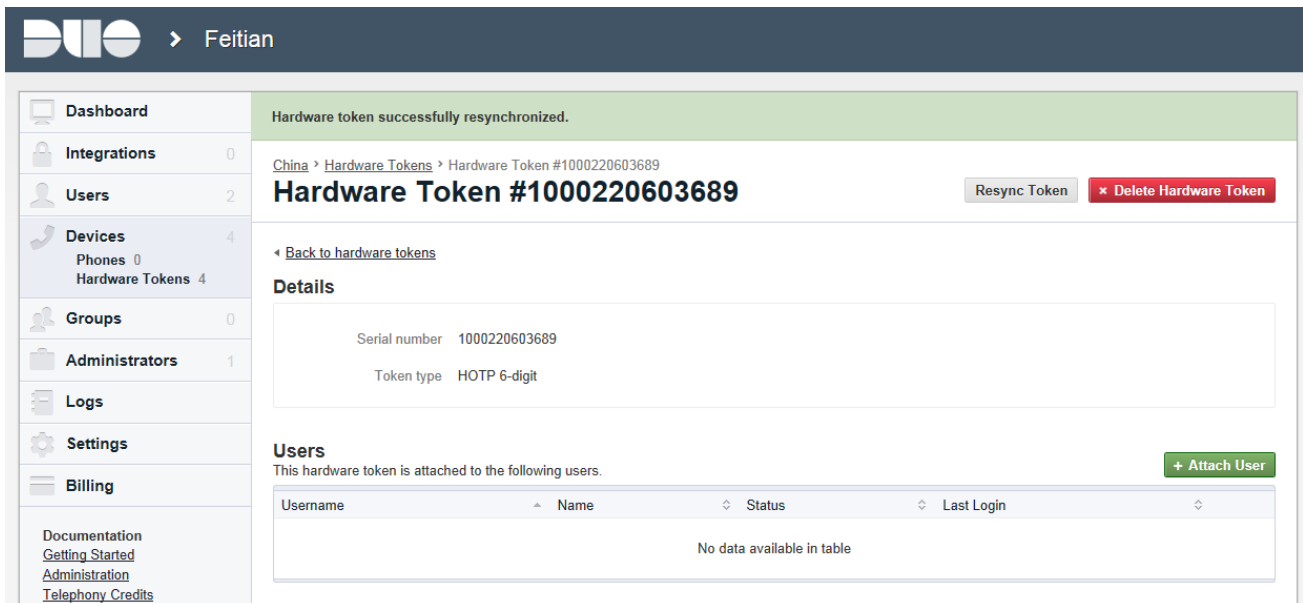
Please input the consequent OTP code on three code text box. Note that, c100 token has an inbuilt timer which forces a user to wait 15 seconds before it can generate next OTP, this function avoid the duplicate operator error. (If c100 tokens does not have this function, someone would be always click OTP rapidly to produce OTP values to exceed the synchronizing window).



After all OTP codes have been inputted, please click “Resync Hardware Token”.

3.3 Resynchronization Result

When the OTP codes inputted correct, it should provide the successful message.



Please contact world.sales@ftsafe.com for assistance if resynchronized OTP is not successful.