



Integrating HyperOTP with Duo Security

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Introduction

Duo Security's authentication servers offer strong security to organizations. Hypersecu's HyperOTP tokens are designed to work seamlessly with Duo's security systems. This document will guide you through the steps to integrate your HyperOTP tokens with Duo, including importing and synchronizing your token.

IMPORTANT: This guide is for using Hypersecu's one-time password (OTP) tokens with Duo Security. If you are using a HyperFIDO U2F Security Key, you can refer to Duo Security's help files for FIDO U2F for assistance.

Requirements

Before starting, you must have:

- A valid HyperOTP token
- The serial number and corresponding secret seed value for each token you will be importing
- A valid account with Duo Security. To learn more about signing up with Duo Security, visit www.duosecurity.com

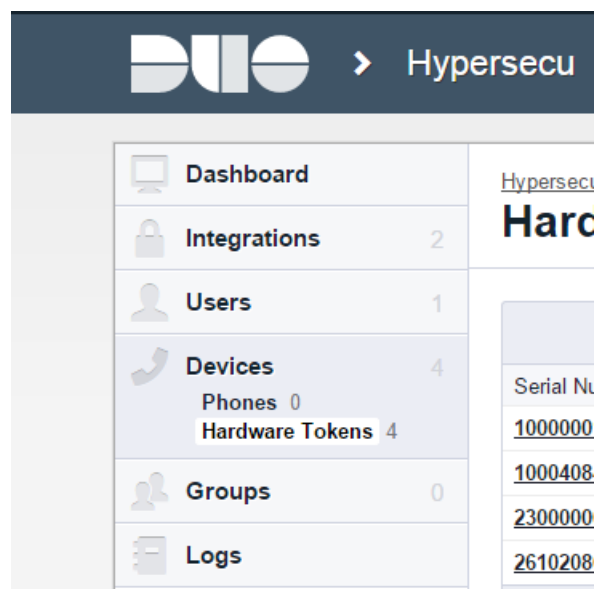
IMPORTANT: The secret seed values are contained in the seed file provided at the time of purchase. If you do not have a secret seed value for each token, contact us at support@hypersecu.com.

Importing a HyperOTP Token

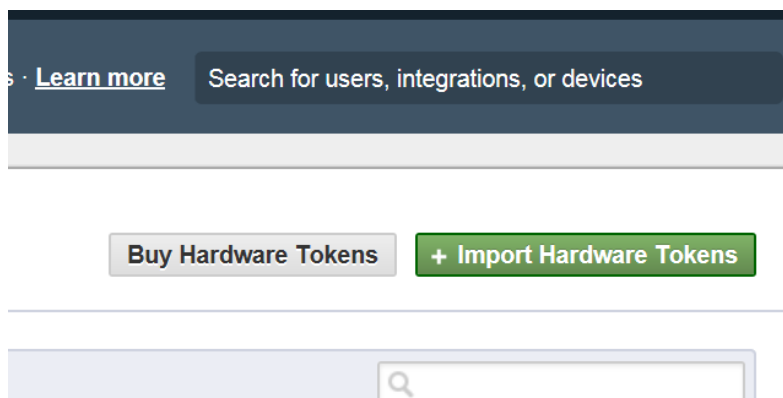
Before you can use HyperOTP with Duo, you must import your hardware token. Multiple tokens can be imported in a single batch import. Once the import is complete, you can manage your tokens and the users attached to each token.

NOTE: You can only import multiple tokens of the same token type in a single batch import. You cannot import multiple tokens containing different token types in a single batch.

1. Log in to your Duo Security account.
2. On the sidebar menu, click **Devices**, then click **Hardware Tokens**.



3. Click **Import Hardware Tokens**.



4. Select the appropriate token type for the token(s) you are registering.
5. Open the file containing the serial number and secret seed value for your token(s) and select all secret seed values corresponding to the token(s) you will be importing.

Token type

Note: Duo Security does not support TOTP token drift or TOTP resync. As a result, TOTP to generate invalid passcodes.

CSV token data

6. Copy the selected information and paste it into the CSV token data field.

IMPORTANT: Do not alter the serial number or secret seed value.

7. Add the following to your CSV token data according to the token type you are importing:
 - For TOTP 30-second tokens, leave blank or enter **30** for the TOTP time step
 - For TOTP 60-second tokens, enter **60** for the TOTP time step
 - For HOTP tokens, specify a HOTP counter only if the counter is not 0

IMPORTANT: Follow the CSV format as described by Duo Security when altering CSV information. No spaces should appear between the serial number, secret seed, and counter or time step information entered for each token.

8. Click **Import Hardware Tokens**.

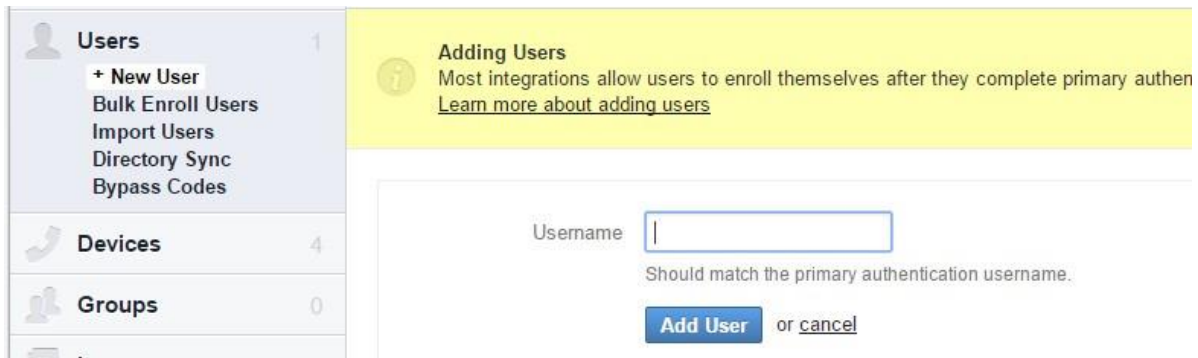
Attaching a User to a HyperOTP Token

Once you've imported your HyperOTP tokens, you can attach a user to each token. Before you can do so, the user you want to attach to a token must have already completed primary authentication through Duo Security's *enrollment* method, or their credentials have been imported using a CSV file.

- For details on how to enroll a user, visit www.duosecurity.com/docs/enrolling_users.
- To import a HyperOTP token, see *Importing a HyperOTP Token* on page 5.

Once a user has been enrolled and has completed primary authentication, they can be attached to a token.

1. If you have not already done so, add the user as a new user:
 - a. On the sidebar menu, click **Users**, then click + **New User**.
 - b. Enter the user's username and click **Add User**.



2. On the sidebar menu, click **Devices**, then click **Hardware Tokens**.
3. Identify the token you want to attach a user to and click the appropriate serial number.



4. Click **Attach a User**.

[+ Attach User](#)

⌵ Last Login ⌵
in table

5. Select the user you want to attach from the drop-down menu and click **Attach**.

Attach User

User x ▼

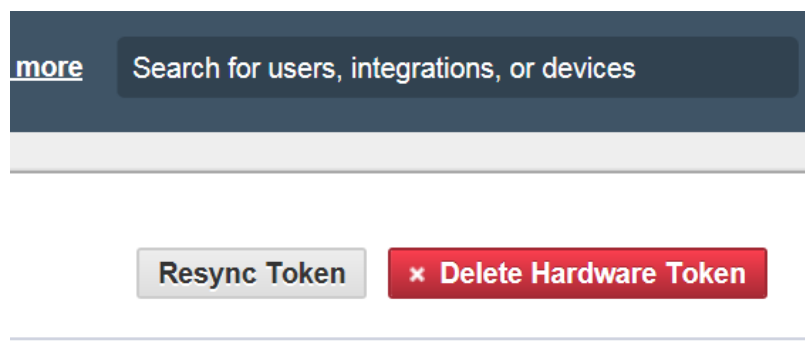
[Attach](#)

Resynchronizing a HyperOTP Token

If your HyperOTP token is out of sync with the server and is no longer providing valid OTP values, you can resync the token.

NOTE: Resynchronization is only available for HOTP token types. Duo Security does not provide the ability to resync TOTP token types.

1. On the sidebar menu, click **Devices**, then click **Hardware Tokens**.
2. Identify the token you want to resync and click the appropriate serial number.
3. Click **Resync Token**.



4. Generate three consecutive OTP values and enter each value into the corresponding field.

NOTE: You must wait 15 seconds before you can generate the next OTP value. The HyperOTPHOTP token has an internal countdown timer of 15 seconds to avoid accidental duplicate clicks.

Resync Hardware Token

Generate three passcodes in a row and enter them here to resync this hardware token.

1st code	<input type="text" value="872142"/>
2nd code	<input type="text" value="938472"/>
3rd code	<input type="text" value="392847"/> <input type="button" value="x"/>

or [cancel](#)

5. Click **Resync Hardware Token**.