

# Add virtual hardware token to Duo

Use the following website to create a secret key for TOTP 6 digit

[TOTP Generator \(xanxys.net\)](https://xanxys.net)

DUO, requires the secret to be in HEX

ITG, requires in Base32

[xanxys.net](https://xanxys.net) / TOTP Generator

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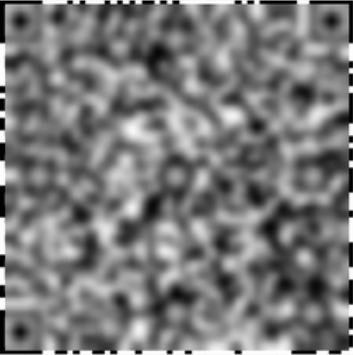
## What's this?

This site generates TOTP (Time-based One Time Password) QR code completely in your browser (you can check source to verify it).

## Account Information

Issuer Name:  Account Name:

## QR Code



## Text Config

Type these if you can't read QR code:

Secret key (base32):    
Type: Time Based

Details (for the curious):

Period: 30 sec   
Digits: 6

Values in other formats:

Secret key(hex string):    
Secret key(hex array):

## Import 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

TOTP 6-digit

**Note:** Duo Security does not support TOTP token drift or TOTP resync. As a result, TOTP tokens may eventually fall out of sync and generate invalid passcodes.

CSV token data

Random 6 digits,  
HEX,  
TOTP Time

Import Hardware Tokens

Should look like this

123456,cd074dac8ad1fb6fb3d513a713e160cd6a10c6f3,30

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