HYPERSECU®

Using HyperFIDO™ with SAASPASS Access Management Tool

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What is HyperFIDO™?

The HyperFIDO™ U2F security key is designed to quickly and easily secure online accounts with any service compatible with FIDO, including GitHub, Facebook, Google Account services such as Gmail, and more. FIDO promotes convenience while increasing protection by reducing reliance on vulnerable static passwords, meaning you are no longer required to create long complicated passwords. HyperFIDO does all the work for you with a single press of a button.

This document will demonstrate how to register and use your HyperFIDOU2F security key with a SAASPASS account.

NOTE: This document is up to date with SAASPASS account procedures on the date of publication. However, SAASPASS reserves the right to make changes to their procedures and services at any time.

Requirements

Before you register your HyperFIDO security key, you will need:

- The latest version of any web browser compatible with FIDO U2F:
  - Google Chrome (recommended)
  - Opera
  - Mozilla Firefox Quantum (60.0 or above) with FIDO U2F enabled. See *Setting Up FIDO U2F with Firefox* on page 4.
- A valid account with SAASPASS
- HyperFIDO™ U2F security key

Getting Started

If you are using a Mac or Windows operating system with Google Chrome browser, no additional setup or configuration is required before you can begin registering and using your HyperFIDO security key.

If you are using Mozilla Firefox and/or a Linux operating system, some additional setup may be required.

- For Firefox, see *Setting Up FIDO U2F with Firefox* on page 4.
- For Linux operating systems, see *Setting Up FIDO U2F with Linux* on page 5.

Once your browser and/or operating system is configured for FIDO U2F, you can begin by enabling 2-step verification on your account.

Setting Up FIDO U2F with Firefox

To use HyperFIDO with Mozilla Firefox, you will need to enable `security.webauth.u2f` in the browser's configuration settings.

NOTE: You must be using Firefox Quantum (60.0) or higher. Enabling this feature requires accessing the configuration settings in the browser. Make sure you are familiar with this process before attempting to do so.

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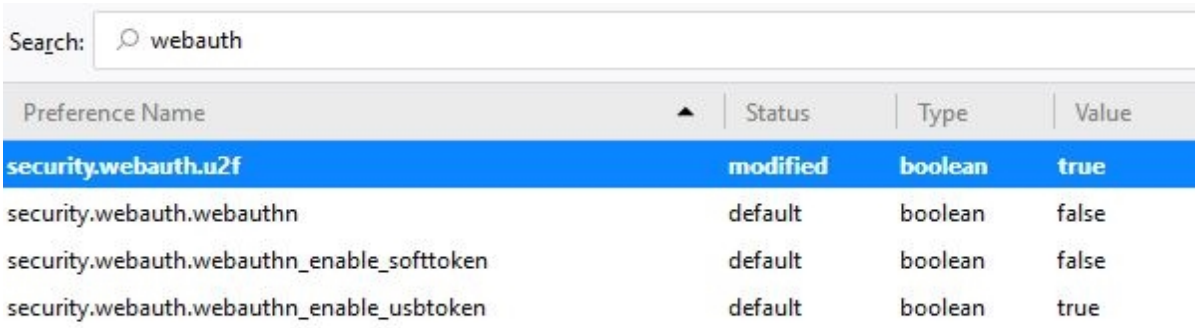
1. Open Firefox and type `about:config` into the browser's address bar.
2. In the search bar, search for *webauth* and locate **security.webauth.u2f** under Preference Name.
3. Double click on **security.webauth.u2f** to change the value from *false* to *true* in order to enable the feature.



IMPORTANT: Mozilla Firefox may not support all services and web applications that use FIDO U2F. It is recommended you use Google Chrome web browser in order to have the most complete support for FIDO U2F.

Setting Up FIDO U2F with Linux

Depending on your Linux operating system, you may be required to add a rules file in order to use your HyperFIDO security key. You can either automatically download and install the rules file or manually install it.

Automatically Download and Install the Rules File

1. From your terminal, execute:

```
$ sudo curl
https://hypersecu.com/downloads/files/configurations/70-u2f.rules
> /etc/udev/rules.d/70-u2f.rules
$ sh -c /etc/udev/rules.d/70-u2f.rules
```

2. Restart your computer.

Manually Download and Install the Rules File

If you are unable to execute the commands, you can manually download and install the rules file.

1. Download the rules file from hypersecu.com/downloads/70-u2f.rules
2. Copy the file to `/etc/udev/rules.d/`
3. Restart your computer.

NOTE: If you already have the rules file from another U2F vendor, add the following into the current rules file and restart your computer:

```
# HyperSecu HyperFIDO
KERNEL=="hidraw*", SUBSYSTEM=="hidraw", ATTRS
{idVendor}=="096e|2ccf", ATTRS{idProduct}=="0880", TAG+="uaccess"
```

Registering a HyperFIDO™ Security Key

Before you register your HyperFIDO security key, you must have your SAASPASS account set up and activated. Once it's been activated, you can begin registration.

IMPORTANT: Only users with Admin status can register and manage FIDO U2F security keys.

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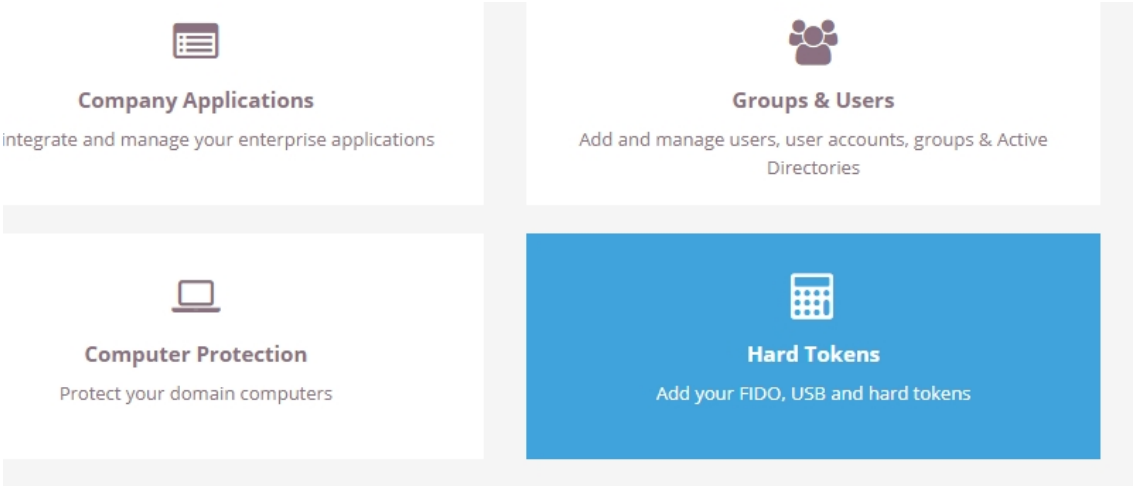
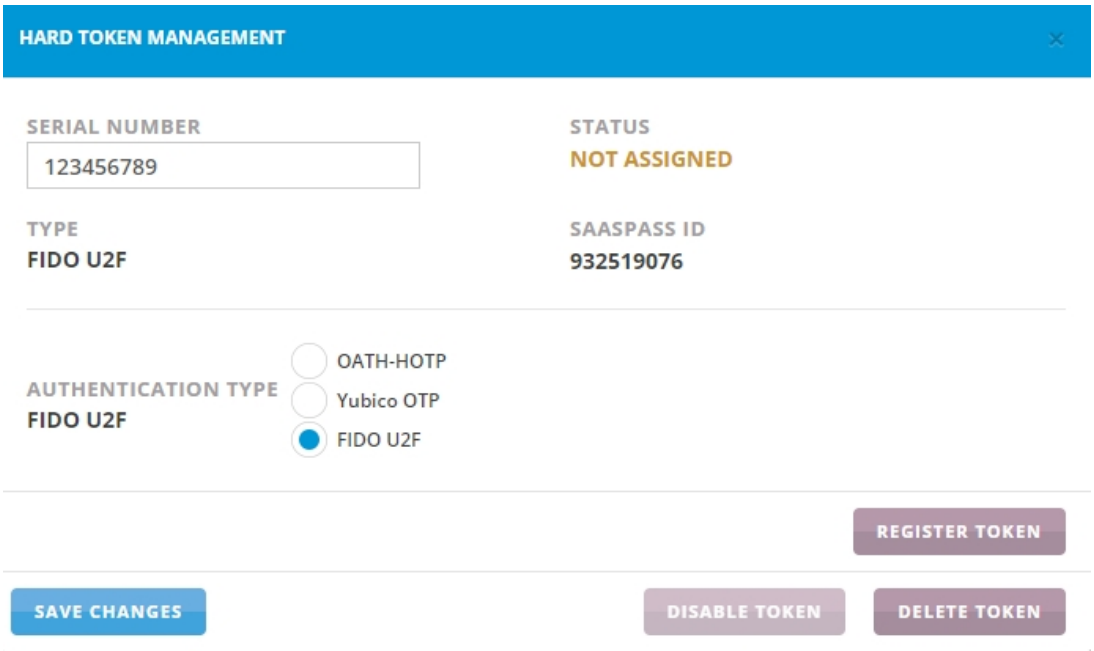
1. Log in to your SAASPASS account and make sure you are in Company Mode.
2. On the Administrative dashboard, click **Hard Tokens**.



3. Click **Add FIDO U2F Tokens**.
4. Enter the number of security keys you want to register or keep it at 1 if you will only be adding a single security key.
5. Enter the serial number found on your HyperFIDO security key for each key you will be adding. If there is no serial number associated with the security key, you can enter any identifying number you choose.
6. Click **Save Tokens**.
7. Under Actions, click **Edit**, then choose **FIDO U2F** and click **Register Token**.



8. Press the button on your HyperFIDO security key when prompted to finish registration, then click **Save Changes**.

Assigning a HyperFIDO Security Key to a User

Once you've completed registration, you must assign the security key to a user.

IMPORTANT: Security keys can only be assigned to regular users accounts.

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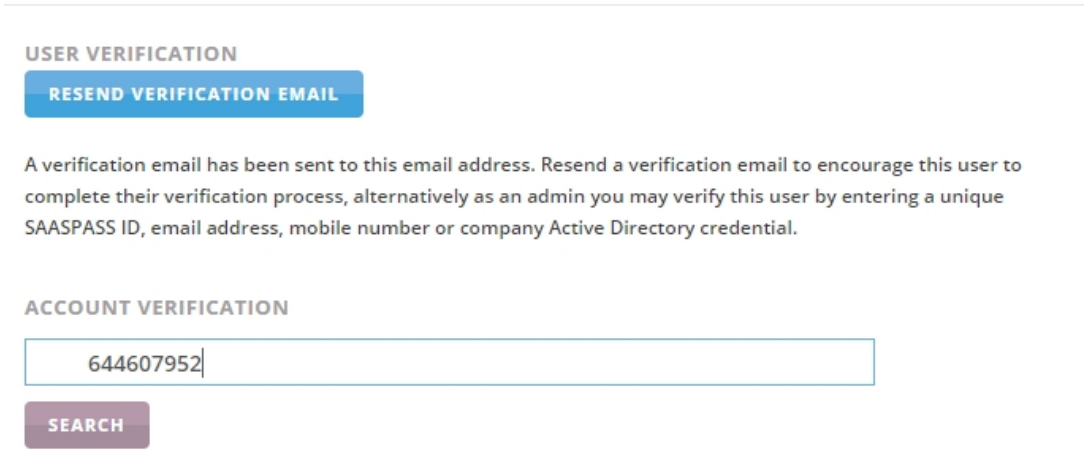
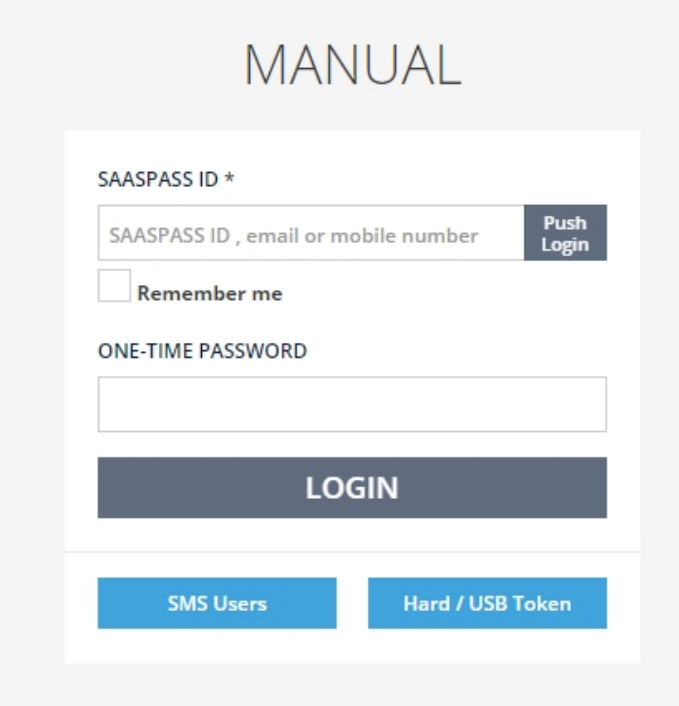
1. On the Administrative dashboard, click **Hard Tokens**.
2. Copy the SAASPASS ID number belonging to the security key you want to use.
3. Navigate to the User Accounts tab and do one of the following procedures:
   - If you haven't added the account you want to assign the security key to, add it now.
   - If the account you want to assign the security key to already exists, click on the account name.
4. In the Account Verification field, enter the SAASPASS ID belonging to the security key you are assigning. If the user has already been verified, click the **Change Owner** icon to display the Account Verification field.



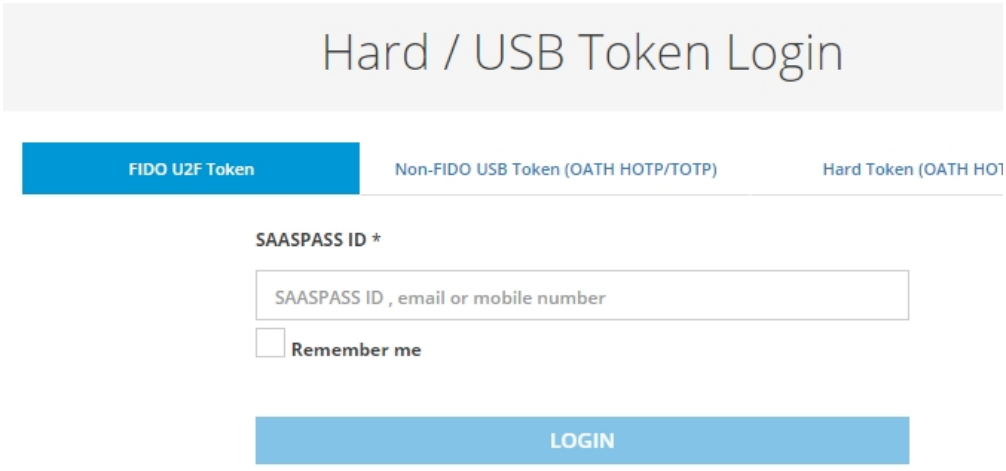
5. Click **Search**, then click **Verify** to assign the security key to the user account.

Signing In With a HyperFIDO Security Key

1. Go to the SAASPASS login page and click **Hard/USB Token** under the Manual option.



2. Make sure you have the **FIDO U2F Token** tab selected.



3. Enter your sign in credentials, then click **Login**.
4. Press the button on your HyperFIDO security key when prompted to finish signing in.

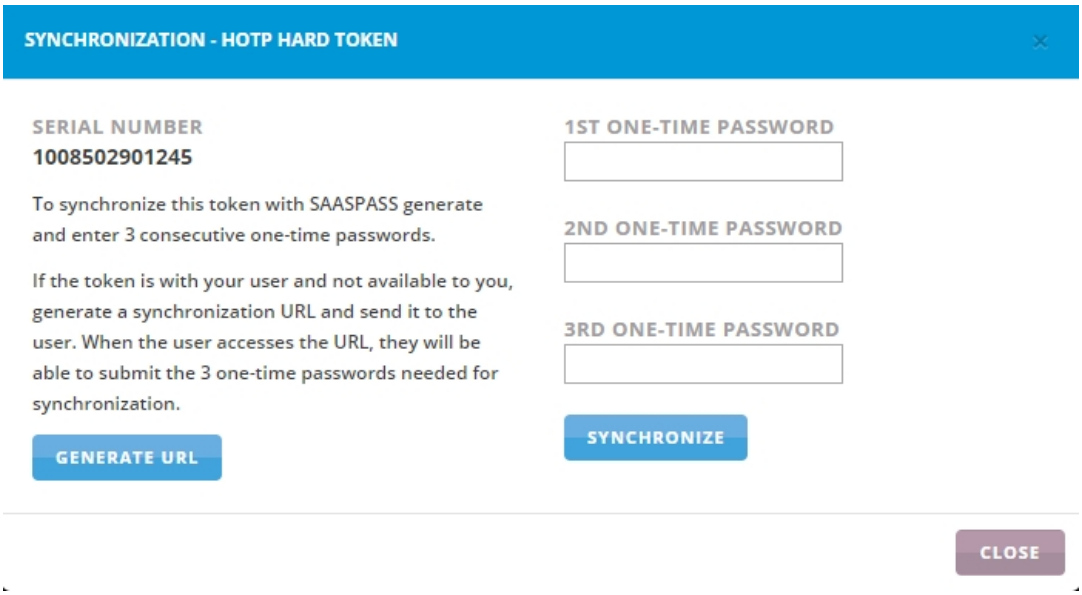
Using an OTP with the HyperFIDO K9

You can configure the HyperFIDO K9 to use a dynamic one-time password. The password will be entered automatically with each press of the button.

1. Download and run the K9 HOTP Tool. If you do not have the application, you can download it from hypersecu.com/support/downloads.
2. Insert the HyperFIDO K9.
3. Check the **U2F+CCID+OTP** box, then click **Apply**.

4. Click **Random Data** if you are configuring the K9 for yourself or enter the serial number and secret key associated with your private server.

5. Choose the OTP length and click **Configure**.
6. Assign the security key to a user following the procedures described *Assigning a HyperFIDO Security Key to a User* on page 8.
7. Synchronize the security key by navigating to the Adminstrative dashboard, then click **Hard Tokens**.
8. Find the security key you assigned and click **Synchronize**.



9. Generate 3 one-time passwords in a row by pressing the button on the security key in each field, then clicking **Synchronize**.

NOTE: To log in with the K9, enter your sign in details and insert the HyperFIDO K9. Make sure the **One-Time Password** field is selected, then press the button on the K9 to automatically enter the one-time password.

Troubleshooting

Hypersecu Information Systems Inc is not responsible for any errors related to SAASPASS services and operations. Please contact the support team for SAASPASS in such cases.

Security Key Won't Authorize

If your HyperFIDO™ security key will not authorize your sign in attempt, try the following options:

- Remove the security key and try the sign in process again. Ensure that the security key is not plugged in before you are prompted to authenticate by pressing the button.
- Ensure the security key you're using has been registered.
- Delete the security key and register it again.

Accessing Your Account Without Your Security Key

If you're unable to use your security key, you must contact your system administrator or someone with an admin role to help reset your account.

Deleting a Security Key

If you want to delete your HyperFIDO security key, you can do so at any time.

1. On the Administrative dashboard, click **Hard Tokens**.
2. Locate the serial number of the security key you want to delete and click **Delete**.
3. Use SAASPASS to authenticate your account and confirm the deletion.

IMPORTANT: Make sure you assign another authentication method to all user accounts associated with the security key or else these accounts will lose access to SAASPASS.
