

DID YOU KNOW?

You can access Bitwarden anywhere



Mobile



Browser



Desktop



Web Vault



CLI



Introduction to Bitwarden Families for Enterprise

 bitwarden | Essentials Series

Today's Agenda

- The Importance of Password Security
- Bitwarden Architecture
- Getting Started with Bitwarden
- Managing Your Vault
- Sharing with Family Members
- Top Bitwarden Features
- Bitwarden Help and Resources

Our Mission

To empower individuals, teams and organizations to access, store and share sensitive data easily and securely

The Importance of Password Security

A Few Common Websites

Google.com	Netflix.com	Pinterest.com	CNN.com
YouTube.com	QQ.com	Microsoft.com	jd.com
Facebook.com	Whatsapp.com	Quora.com	Apple.com
Baidu.com	Reddit.com	Github.com	Craigslist.com
Wikipedia.org	Bing.com	IMDB.com	Imgur.com
Twitter.com	bit.ly	Microsoftonline.com	BBC.com
Yahoo.com	Twitch.tv	Paypal.com	Tumblr.com
Instagram.com	Linkedin.com	Wordpress.com	Foxnews.com
Yandex.ru	Samsung.com	news.google.com	Discordapp.com
Amazon.com	Msn.com	Duckduckgo.com	Weather.com
Live.com	Office.com	Booking.com	Adobe.com

The Trap of Re-Used Passwords

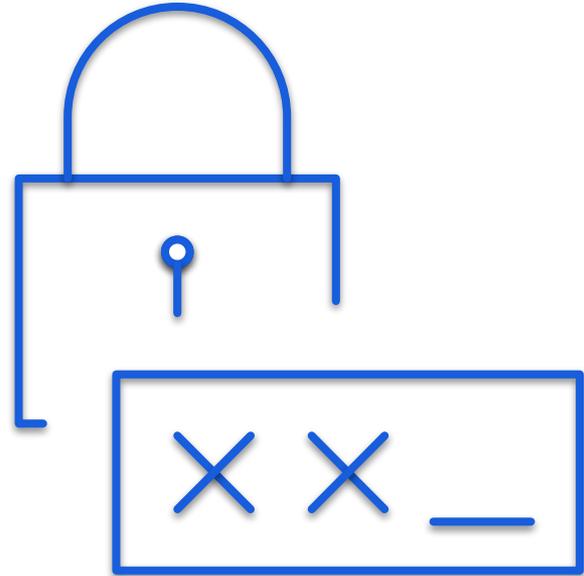
Google.com	Netflix.com	Pinterest.com	CNN.com
YouTube.com	QQ.com	Microsoft.com	jd.com
Facebook.com	Whatsapp.com	Quora.com	Apple.com
Baidu.com	Reddit.com	Github.com	Craigslist.com
Wikipedia.org	Bing.com	IMDB.com	Imgur.com
Twitter.com	bit.ly	Microsoftonline.com	BBC.com
Yahoo.com	Twitch.tv	Paypal.com	Tumblr.com
Instagram.com	Linkedin.com	Wordpress.com	Foxnews.com
Yandex.ru	Samsung.com	news.google.com	Discordapp.com
Amazon.com	Msn.com	Duckduckgo.com	Weather.com
Live.com	Office.com	Booking.com	Adobe.com

Protect From Breaches with Unique Passwords

Google.com	Netflix.com	Pinterest.com	CNN.com
YouTube.com	QQ.com	Microsoft.com	jd.com
Facebook.com	Whatsapp.com	Quora.com	Apple.com
Baidu.com	Reddit.com	Github.com	Craigslist.com
Wikipedia.org	Bing.com	IMDB.com	Imgur.com
Twitter.com	bit.ly	Microsoftonline.com	BBC.com
Yahoo.com	Twitch.tv	Paypal.com	Tumblr.com
Instagram.com	Linkedin.com	Wordpress.com	Foxnews.com
Yandex.ru	Samsung.com	news.google.com	Discordapp.com
Amazon.com	Msn.com	Duckduckgo.com	Weather.com
Live.com	Office.com	Booking.com	Adobe.com

Tips on your **Bitwarden** password

- Long
- Complex
- Random
- Unique to Bitwarden
- Ideally something you can remember
 - If you need to write it down, do so and keep it in a safe place

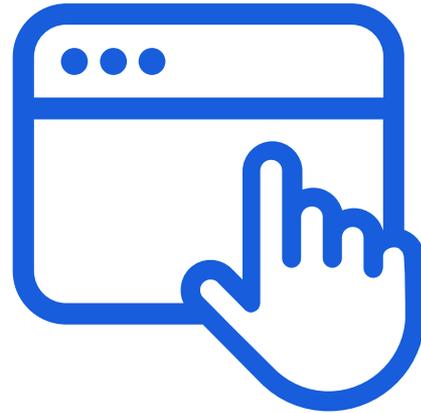
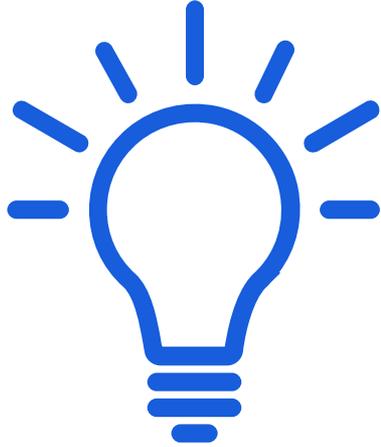


Tips on your Bitwarden password

- Long
- Complex
- Random
- Unique to Bitwarden
- Ideally something you can remember, but
 - If you need to write it down, do so and keep it in a safe place



Let's Use Software to Solve This!



Now All You Need is ONE
Main Password

and Bitwarden Does The
Rest

Bitwarden is Available Wherever You Are



Mobile



Browser



Desktop

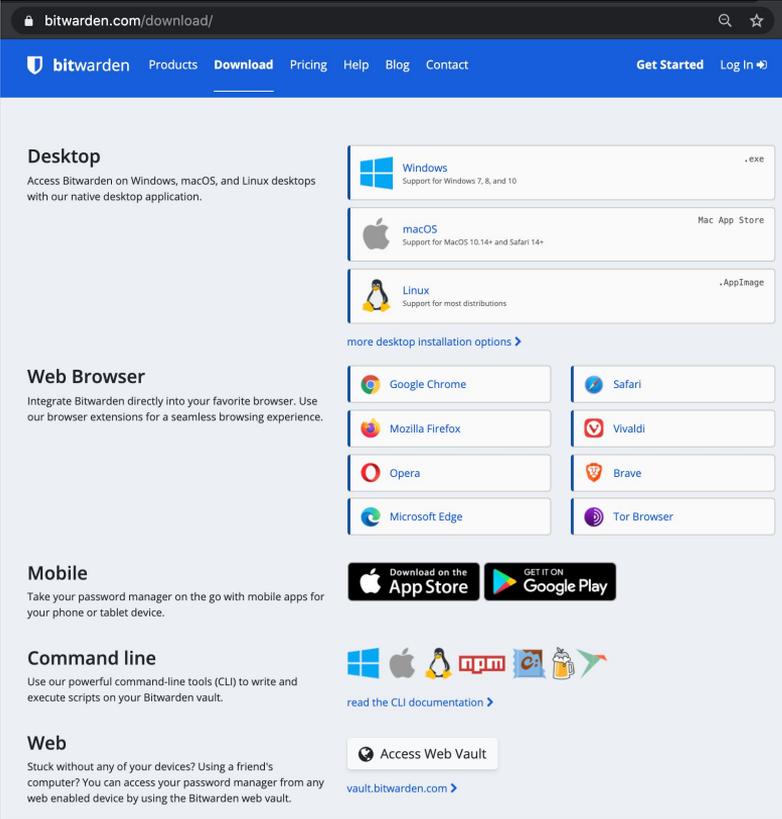


Web Vault

Plus the Command Line Interface (CLI) for advanced users

Download Bitwarden

- To download Bitwarden, you can go to bitwarden.com/download pick how you would like to access your vault



The screenshot shows the Bitwarden download page at bitwarden.com/download/. The page has a blue header with the Bitwarden logo and navigation links: Products, Download, Pricing, Help, Blog, Contact, Get Started, and Log In. The main content is organized into sections:

- Desktop:** Offers native desktop applications for Windows (.exe), macOS (Mac App Store), and Linux (.AppImage). A link for "more desktop installation options" is provided.
- Web Browser:** Lists browser extensions for Google Chrome, Safari, Mozilla Firefox, Vivaldi, Opera, Brave, Microsoft Edge, and Tor Browser.
- Mobile:** Promotes mobile apps available on the App Store and Google Play.
- Command line:** Provides information on using command-line tools (CLI) and includes a link to "read the CLI documentation".
- Web:** Offers an "Access Web Vault" button and a link to vault.bitwarden.com.

Bitwarden Architecture

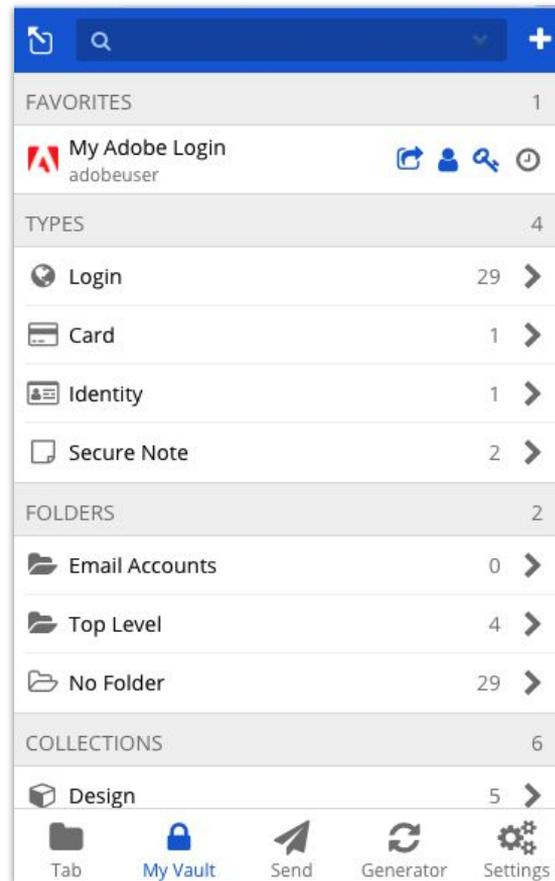
Before We Get Started

- **Vault:** lists all your Vault items, including Logins, Cards, Identities, and Secure Notes
- **Organization:** relate Bitwarden users and Vault items together for secure sharing of Logins, Notes, Cards, and Identities. Organizations have a unique Vault, where administrators can manage the Organization's items, users, and settings
- **Collections:** gather together Logins, Notes, Cards, and Identities for secure sharing within an Organization.

Vault Item Types

Types of items :

- Logins
- Cards
- Identities
- Secure Notes
 - *All item types can be extended with secure notes and custom fields*



Using Bitwarden Enterprise AND Family Accounts

Enterprise Organization

- Work email address

Full suite of enterprise features across

- Groups of people
- Collections of items

Family Organization

- Personal email address

Family sharing features across

- Collections of items

People within a family organization are managed individually, there are no Groups

Bitwarden Clients and Bitwarden Cloud / Server

All Vault data end-to-end encrypted with zero knowledge

Bitwarden Clients



Mobile



Browser



Desktop



CLI



Web Vault

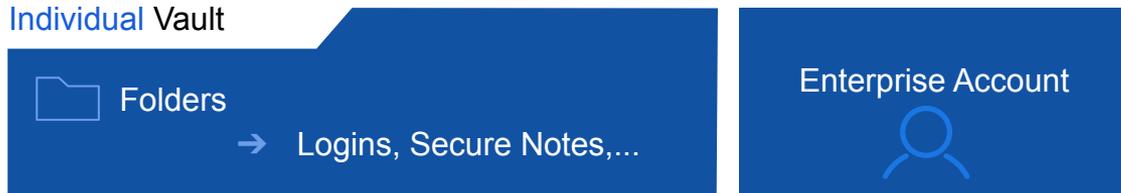
Bitwarden Server

Cloud or Self-hosted

Individual Vault on account creation

Adjustable with enterprise policies

Individual Vault



All Vault data end-to-end encrypted with zero knowledge

Bitwarden Clients



Mobile



Browser



Desktop



CLI



Web Vault

Bitwarden Server

Cloud or Self-hosted

Organizational Vaults, Collections, and Groups

Organizational Vault

 Collections
→ Logins, Secure Notes,...

 Bitwarden Groups

Individual Vault

 Folders
→ Logins, Secure Notes,...

 Enterprise Account

All Vault data end-to-end encrypted with zero knowledge

Bitwarden Clients



Mobile



Browser



Desktop

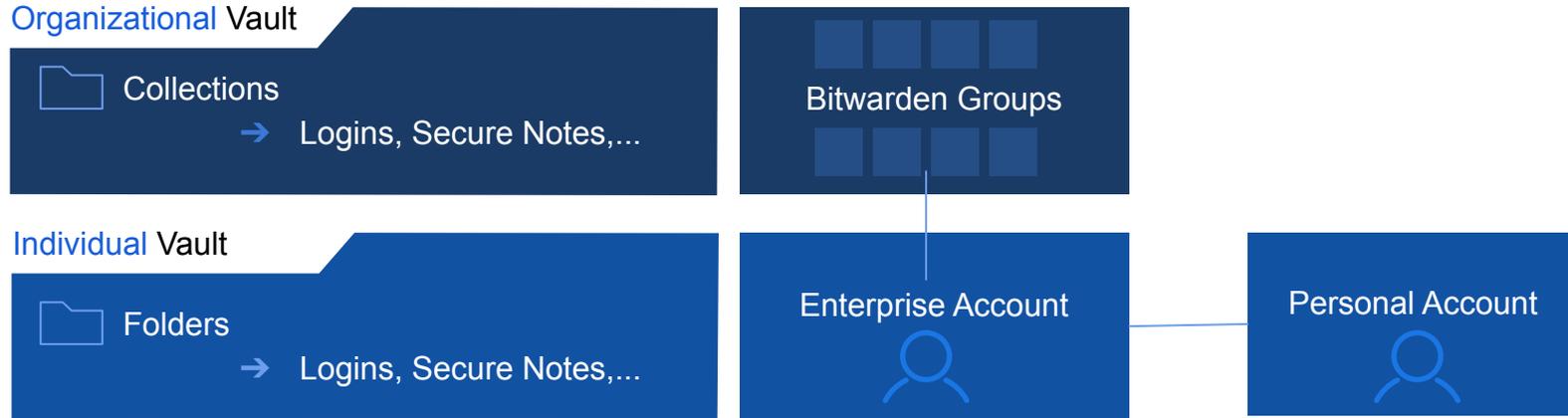


CLI



Web Vault

Sponsor a Family Organization for your personal email



All Vault data end-to-end encrypted with zero knowledge

Bitwarden Clients



Mobile



Browser



Desktop



CLI



Web Vault

Create a Family Organization to share securely

Organizational Vault

 Collections
→ Logins, Secure Notes,...

Bitwarden Groups

Family Vault

 → Logins, Secure Notes...

Individual Vault

 Folders
→ Logins, Secure Notes,...

Enterprise Account

Personal Account

All Vault data end-to-end encrypted with zero knowledge

Bitwarden Clients



Mobile



Browser



Desktop



CLI



Web Vault

Share with up to 5 other members

Organizational Vault

 Collections
→ Logins, Secure Notes,...

Bitwarden Groups

Individual Vault

 Folders
→ Logins, Secure Notes,...

Enterprise Account

Family Vault

 → Logins, Secure Notes...

Personal Account

Up to 5 additional members

All Vault data end-to-end encrypted with zero knowledge

Bitwarden Clients



Mobile



Browser



Desktop



CLI



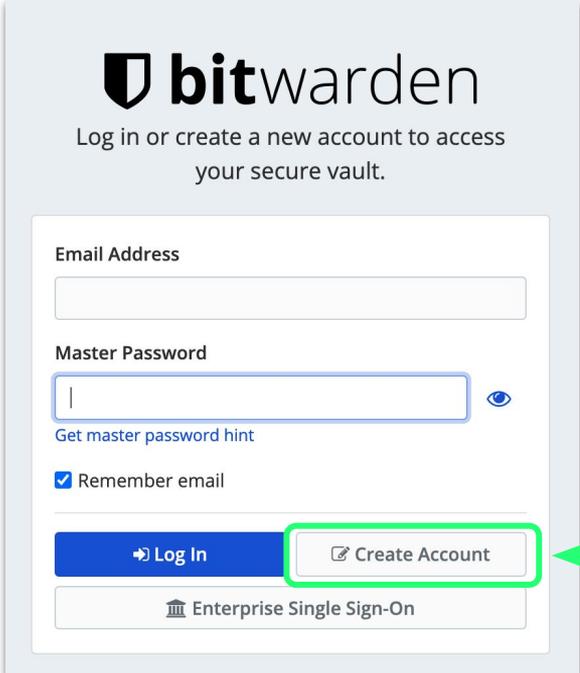
Web Vault

Getting Started with Bitwarden

Creating an Account

To create a new Bitwarden Account:

- Click Create Account



The image shows the Bitwarden login and account creation interface. At the top, the Bitwarden logo is displayed with the text "Log in or create a new account to access your secure vault." Below this, there are three input fields: "Email Address", "Master Password", and a checkbox for "Remember email". The "Master Password" field has a blue border and a toggle icon. Below the "Remember email" checkbox, there are three buttons: "Log In" (blue), "Create Account" (white with a green border and a green arrow pointing to it from the right), and "Enterprise Single Sign-On" (white with a grey border).

Creating an Account

On the Create Account screen:

- Enter your personal email address
- Enter Your Name
- Enter a Master Password
 - This can be generated using
The Bitwarden Password Generator
- Re-type Master Password
- You may enter a hint for your Master Password

Create Account

Email Address
personal-email@email.com
You'll use your email address to log in.

Your Name
Family Member 1
What should we call you?

Master Password

The master password is the password you use to access your vault. It is very important that you do not forget your master password. There is no way to recover the password in the event that you forget it.

Re-type Master Password

Master Password Hint (optional)
Password Hint
A master password hint can help you remember your password if you forget it.

By checking this box you agree to the following:
[Terms of Service](#), [Privacy Policy](#)

Submit Cancel

Creating an Account

Bitwarden will let you know if your Master Password is strong or weak.



Create Account

Email Address

You'll use your email address to log in.

Your Name

What should we call you?

Master Password

Strong

The master password is the password you use to access your vault. It is very important that you do not forget your master password. There is no way to recover the password in the event that you forget it.

Re-type Master Password

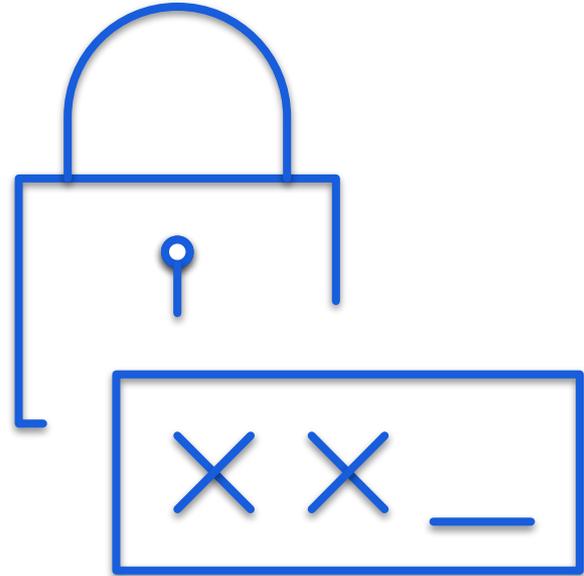
Master Password Hint (optional)

A master password hint can help you remember your password if you forget it.

By checking this box you agree to the following:
[Terms of Service](#), [Privacy Policy](#)

Tips on your **Bitwarden** password

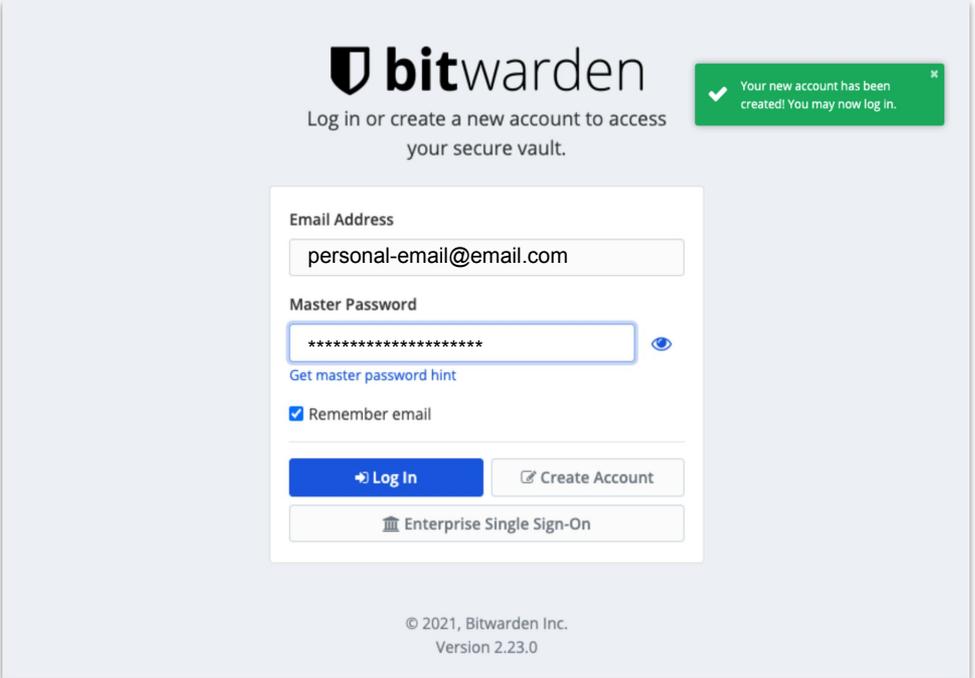
- Long
- Complex
- Random
- Unique to Bitwarden
- Ideally something you can remember
 - If you need to write it down, do so and keep it in a safe place



Bitwarden Notifications

Account Creation Notification:

- A green notification box will appear notifying you that your account has been created
- Enter your email address and master password to login to your account



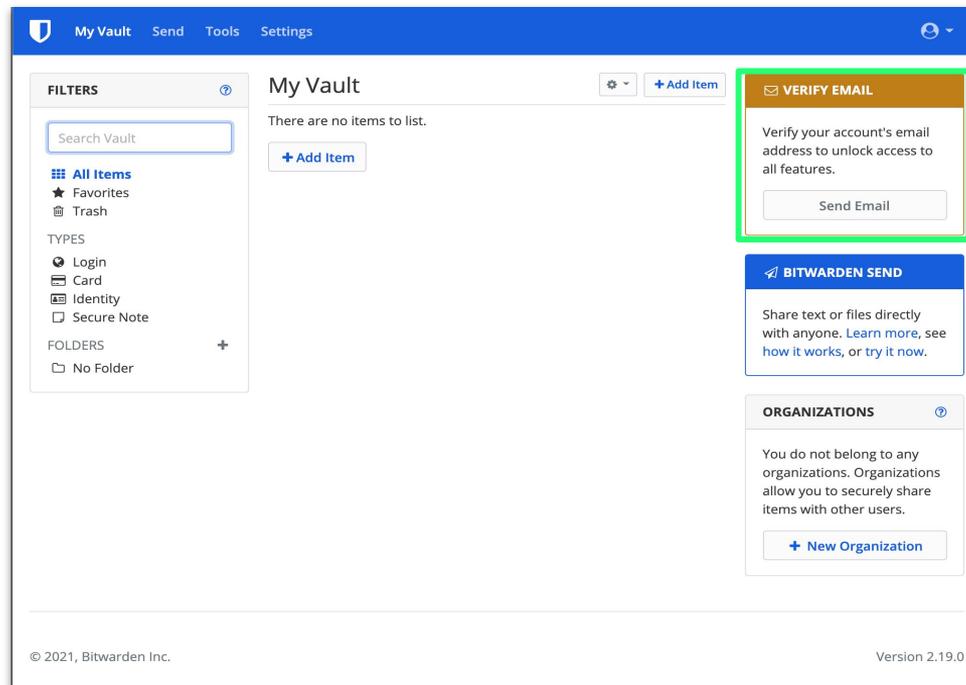
The screenshot displays the Bitwarden login interface. At the top center is the Bitwarden logo and the text "Log in or create a new account to access your secure vault." In the top right corner, a green notification box with a checkmark icon contains the message: "Your new account has been created! You may now log in." Below the header is a white login form with the following fields and options:

- Email Address:** A text input field containing "personal-email@email.com".
- Master Password:** A text input field containing "*****" with a blue eye icon to the right for toggling visibility. Below this field is a blue link that says "Get master password hint".
- Remember email:** A checkbox that is checked.
- Log In:** A blue button with a right-pointing arrow.
- Create Account:** A light gray button with a plus icon.
- Enterprise Single Sign-On:** A light gray button with a shield icon.

At the bottom center of the page, the copyright information reads: "© 2021, Bitwarden Inc. Version 2.23.0".

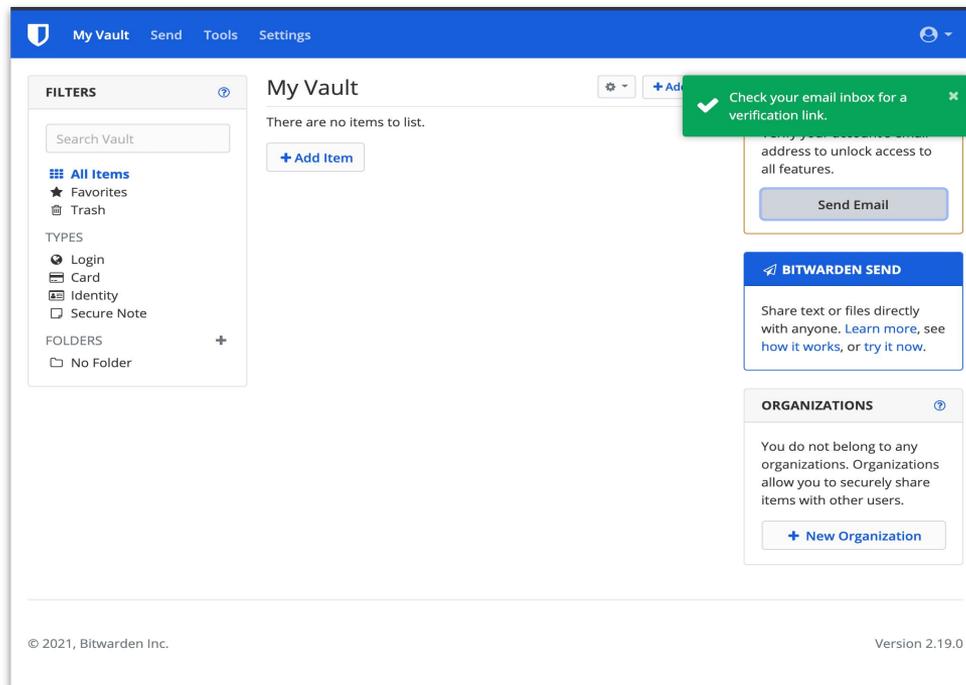
Verifying Your Email Address

- Click Send Email to verify your email address to access your vault



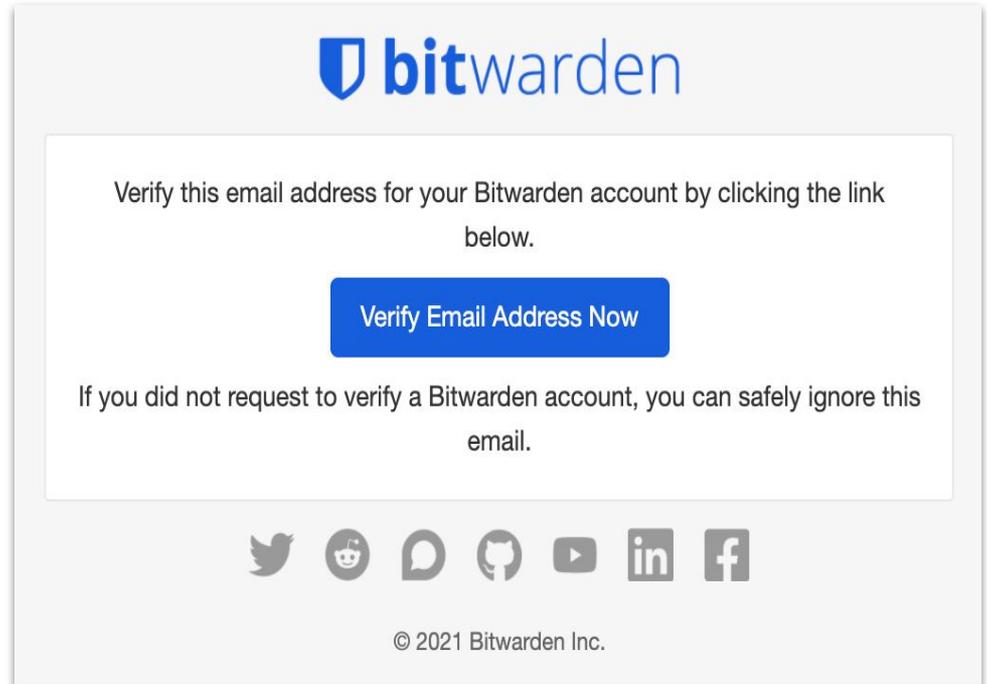
Verifying Your Email Address

- After clicking the Send Email button a green notification box will appear



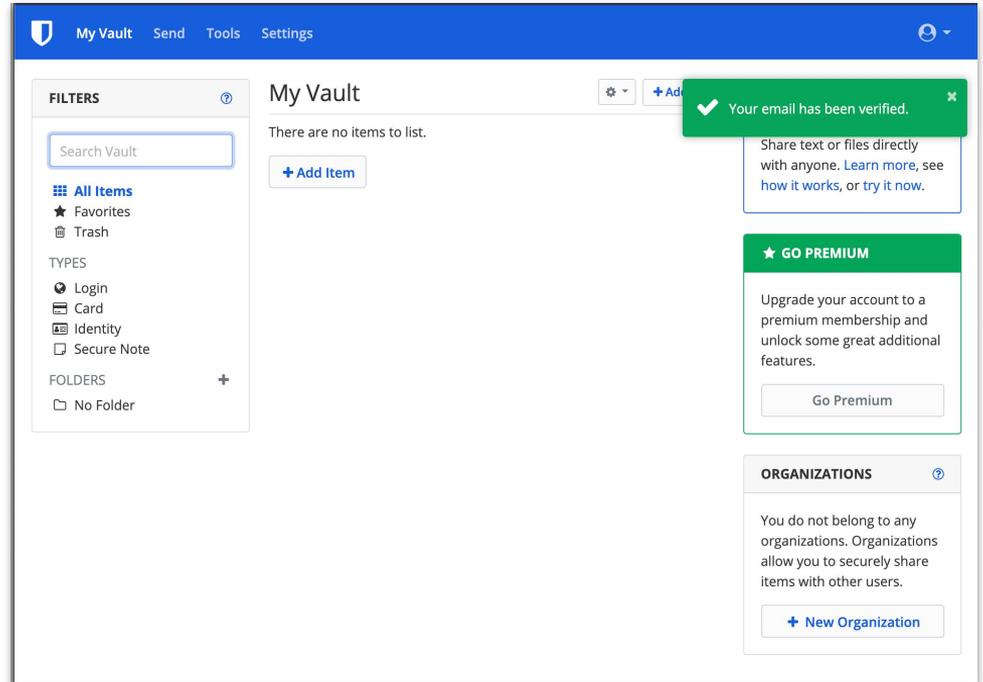
Verifying Your Email Address

- Check your email to verify your email address
- Click the Verify Email Address Now link



Verifying Your Email Address

- A green notification box will appear notifying you that your account has been verified



Your Bitwarden Master Password

Your Master Password is **the only way** you can unlock the Vault and only **you** hold the key. Memorize it, or write it down and keep it in a safe place.

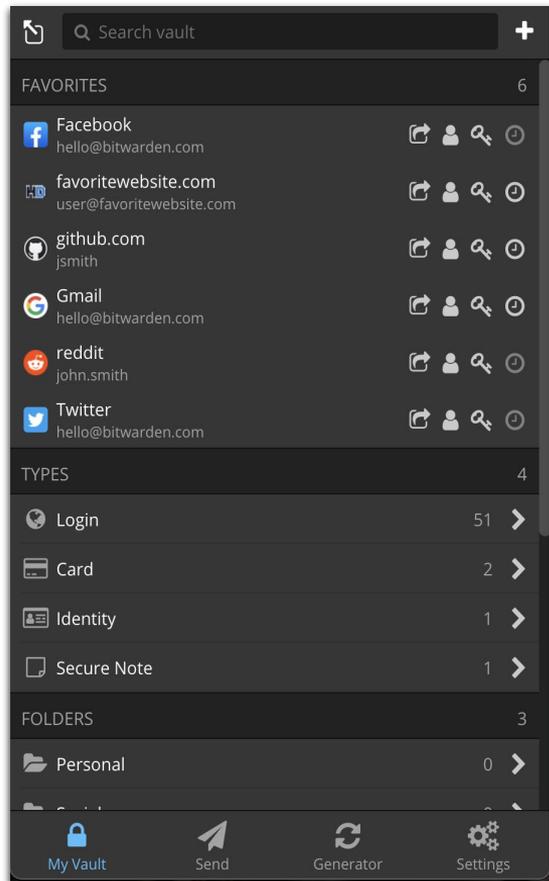
Tips for Your Bitwarden Login Email Address

- Each Bitwarden account requires an email address
- Bitwarden will use this email address to communicate with you if needed
- You should have access to the email address even if you are locked out of your vault
- This does not allow you to recover your account, but you can delete and reset your account if you have access to the original email address

Managing your Bitwarden Vault

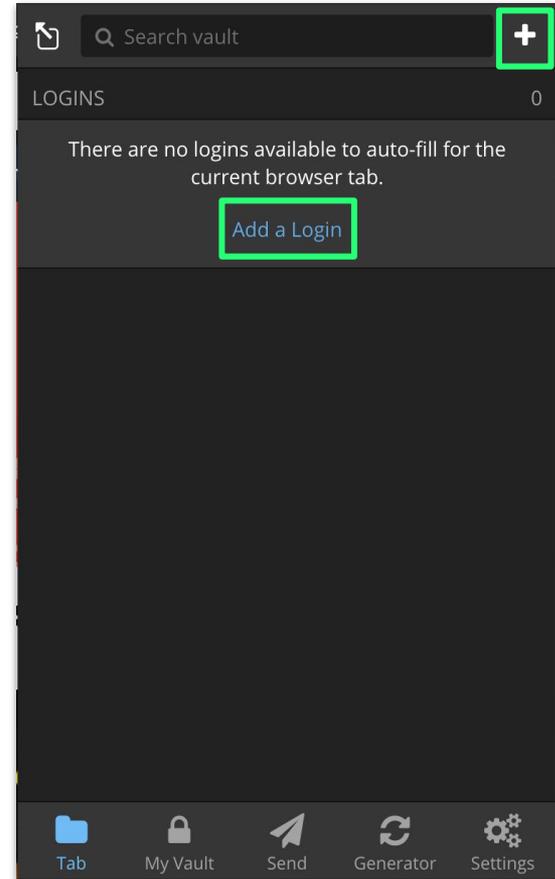
Vault Items

- There are 4 types of items you can store in a Vault:
 - Login
 - Card
 - Identity
 - Secure Note
- Folder for your Personal Vault
- Assigned Collections
- Trash
 - 30 days



Adding Items

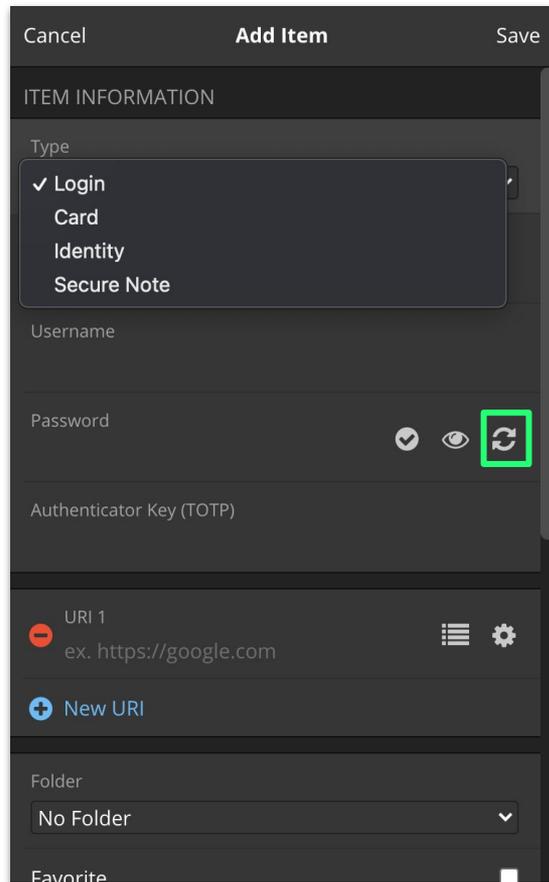
- Manually - using the + sign or **Add a Login** from within your vault.
- Automatically (via the Browser Extension) - when logging into a website for the first time; or when changing credentials for a website.



Adding Items

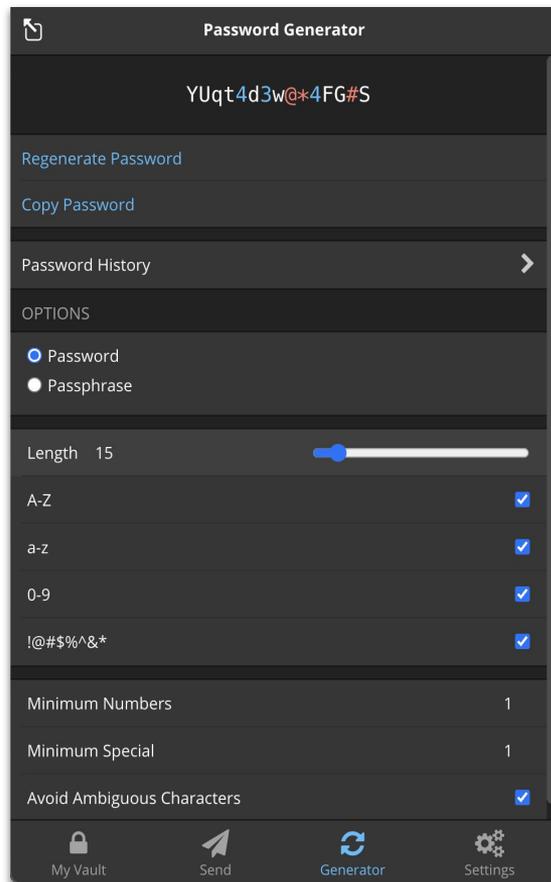
If you add a new item directly with Bitwarden, you will have the following options:

- Select the type
- Name
- Username
- Password
- URL
- Add it to to a specific folder
- Add additional notes
- Ownership



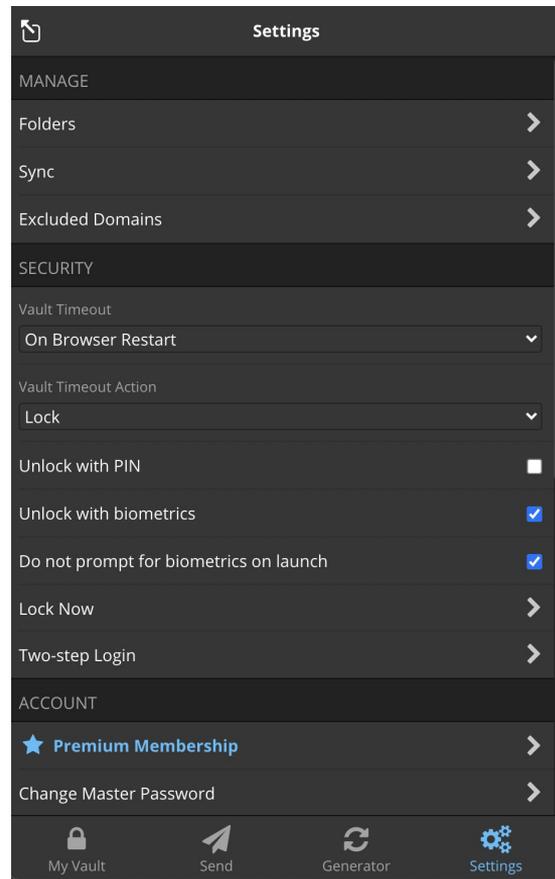
Password Generator

- Bitwarden can generate passwords for you that are:
 - Long
 - Complex
 - Random
 - Unique per login



Vault Settings

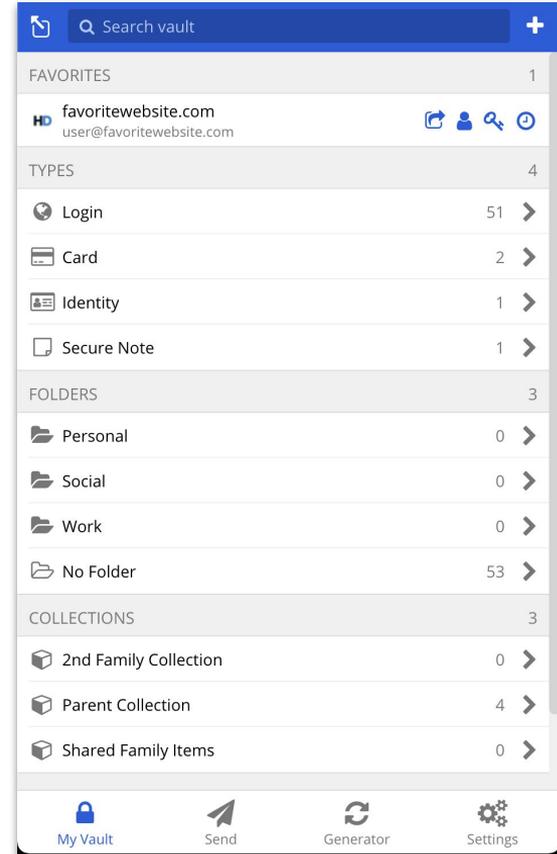
- Manage your Folders and Sync
- Additional Security Features:
 - Unlock with Biometrics
 - Two-step Login
 - Vault Timeout
 - Vault Timeout Action
 - Lock
 - Log Out



Sharing with Family Members

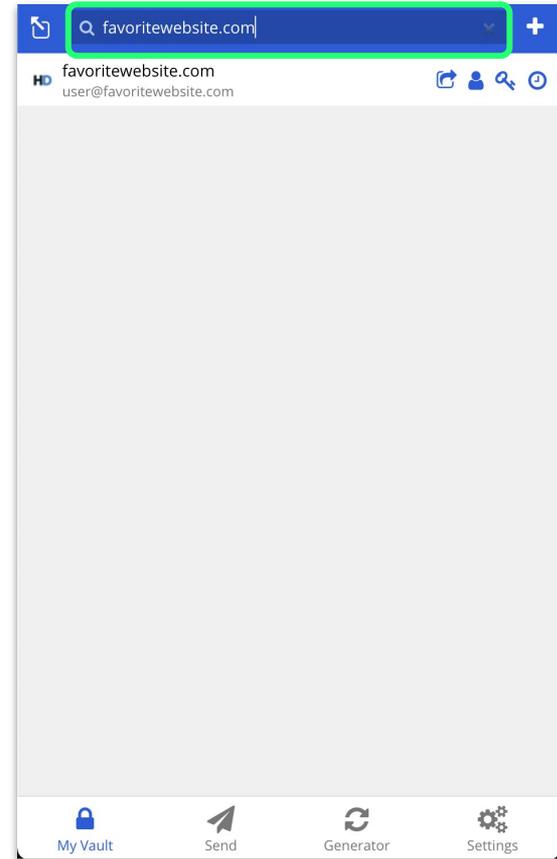
Adding Items to Collections

- Example
 - Add the favoritewebsite.com login to the Shared Family Items Collection



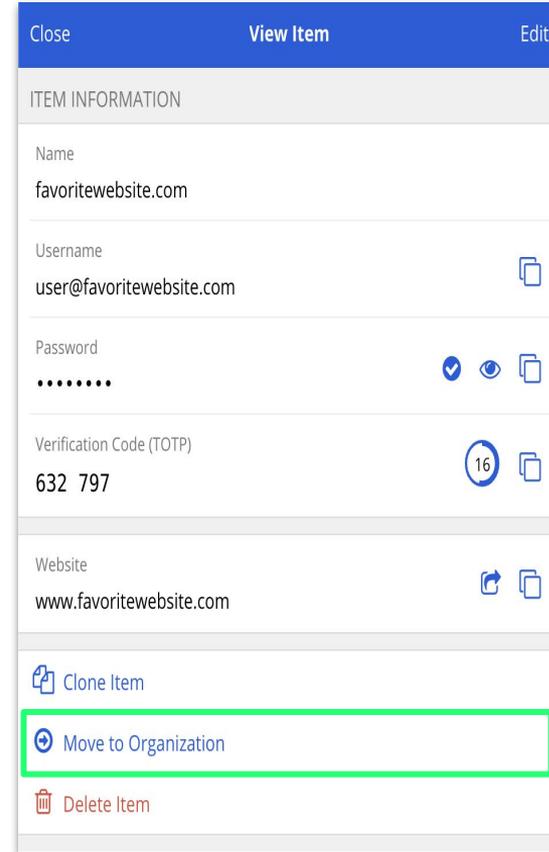
Adding Items to Collections

- Search and locate the login



Adding Items to Collections

- Scroll down & select **Move to Organization**



The screenshot shows the 'View Item' interface in Bitwarden. At the top, there are three buttons: 'Close', 'View Item', and 'Edit'. Below this is a section titled 'ITEM INFORMATION'. The details listed are:

- Name: favoritewebsite.com
- Username: user@favoritewebsite.com (with a copy icon)
- Password: masked with dots (with checkmark, eye, and copy icons)
- Verification Code (TOTP): 632 797 (with a circular timer icon showing 16 and a copy icon)
- Website: www.favoritewebsite.com (with share and copy icons)

At the bottom, there are three action buttons:

- Clone Item (with a copy icon)
- Move to Organization** (with a circular arrow icon, highlighted by a green border)
- Delete Item (with a trash icon)

Sharing Items to Collections

- Select the My Family Organization and Specific Collection
- Click **Move**

Cancel Move to Organization Move

Organization
My Family

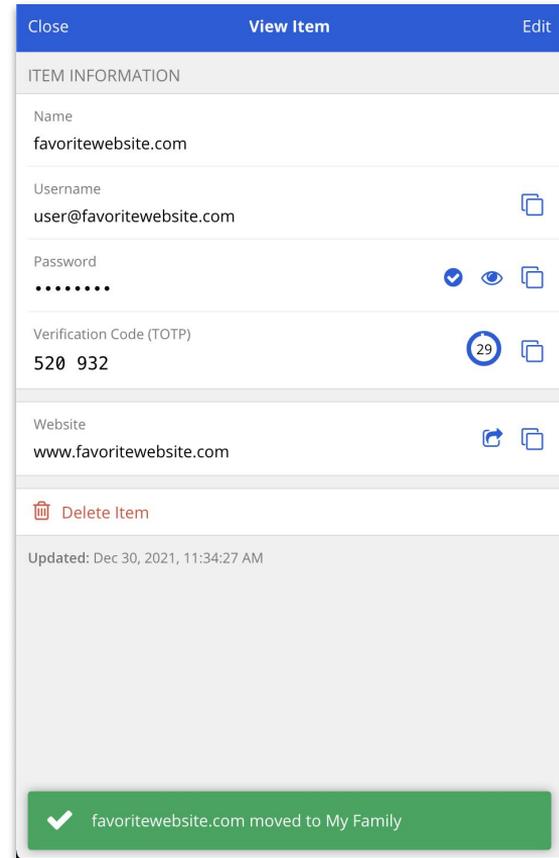
Choose an organization that you wish to move this item to. Moving to an organization transfers ownership of the item to that organization. You will no longer be the direct owner of this item once it has been moved.

COLLECTIONS

2nd Family Collection	<input type="checkbox"/>
Parent Collection	<input type="checkbox"/>
Shared Family Items	<input checked="" type="checkbox"/>

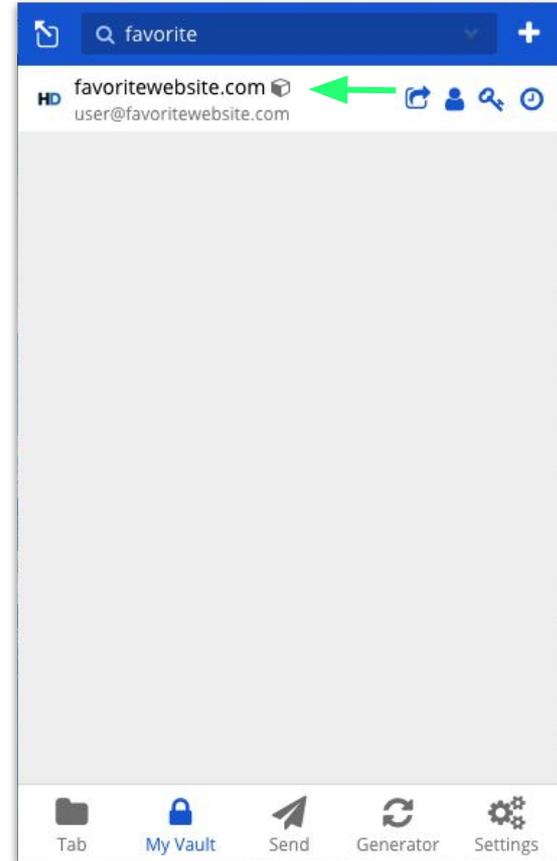
Sharing Items to Collections

- Green notification banners will confirm the **move** to the Family Organization Collection



Sharing Items to Collections

-  The cube icon indicates that an item is part of a collection
- The item is now part of the Organization Vault, and can be assigned and shared as needed.

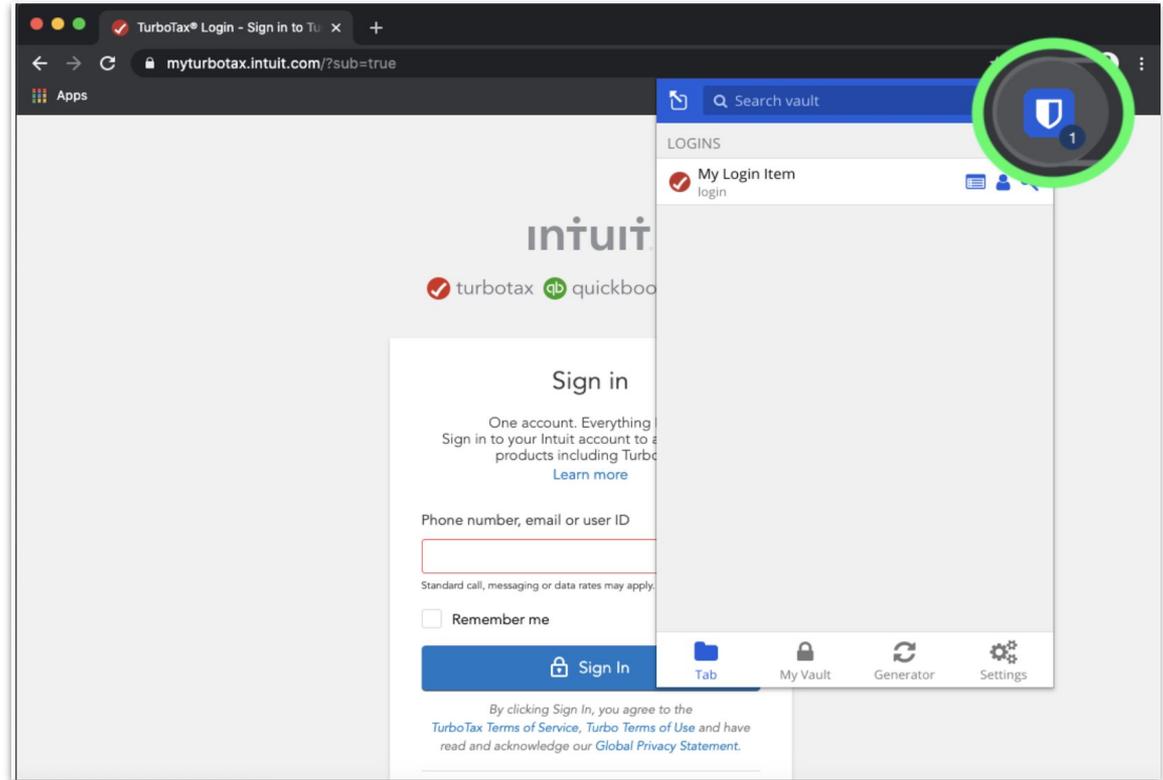


Top Bitwarden Features

Using Autofill

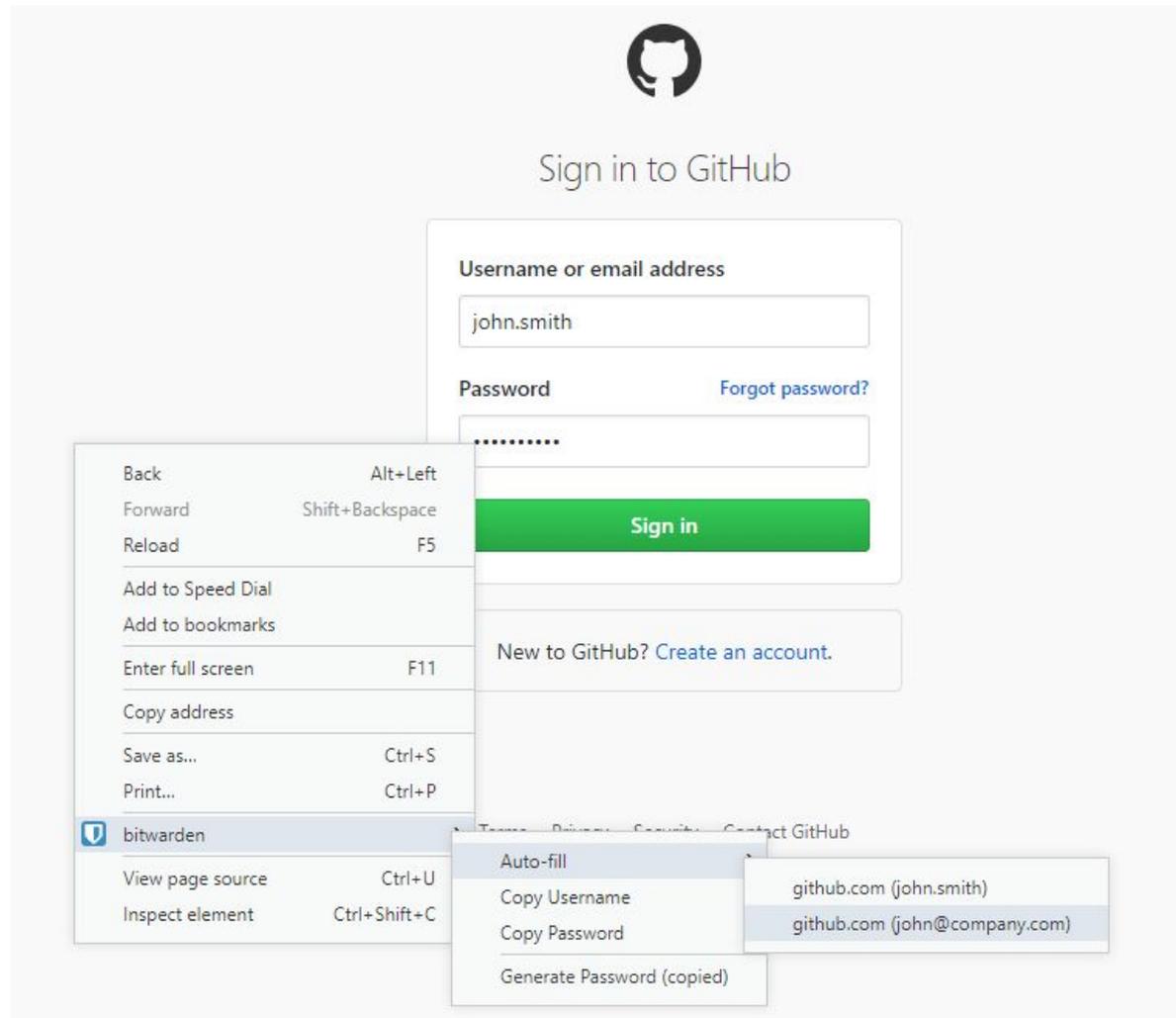
AutoFill: Browser Extension

Pick from the extension



Autofill: Right Click

Right click context menu

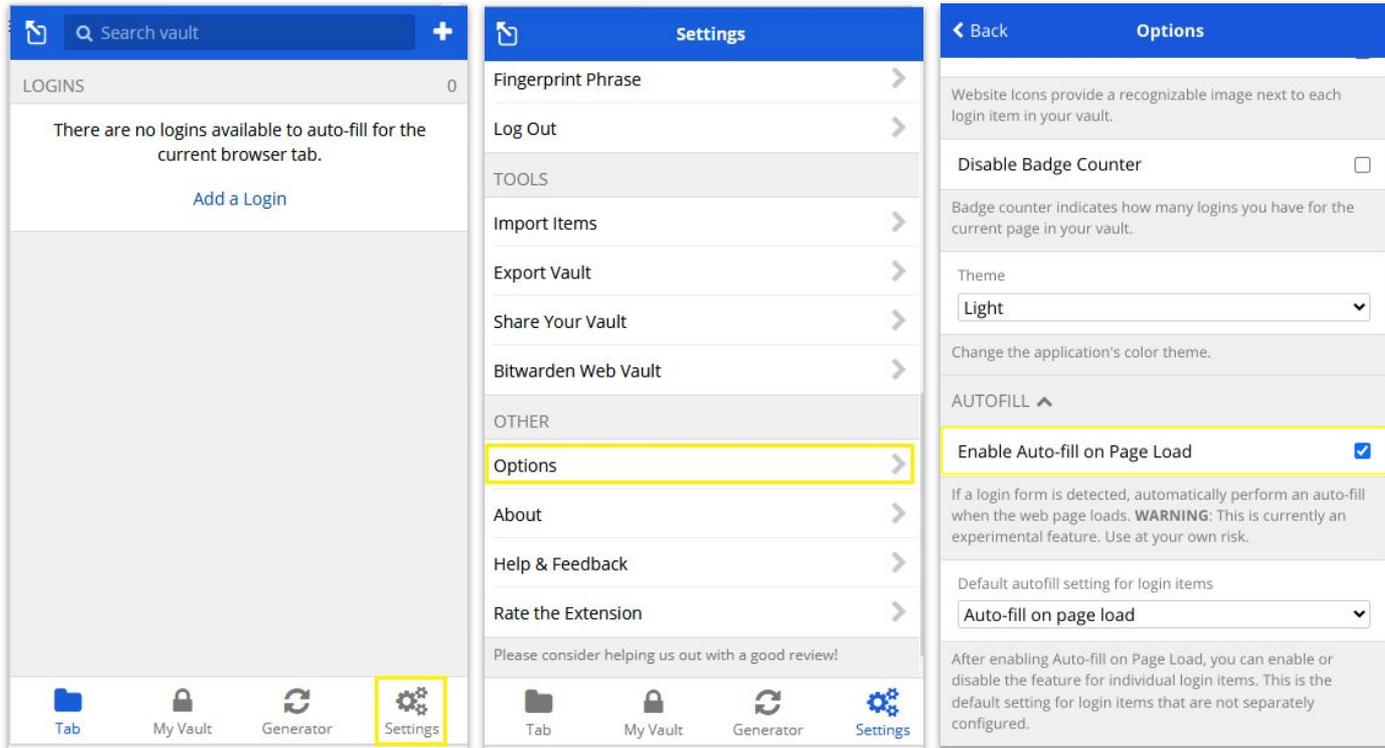


Browser Extension: Autofill Credentials

- Windows Ctrl + Shift + L
- Linux Ctrl + Shift + L
- macOS Cmd + Shift + L

Autofill will copy your two-step login code automatically
when TOTP is enabled

Autofill: Extension Option



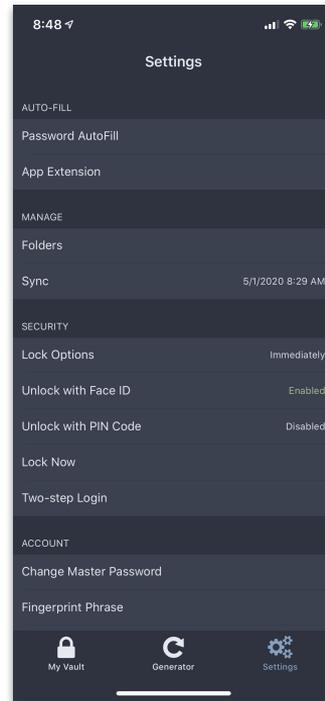
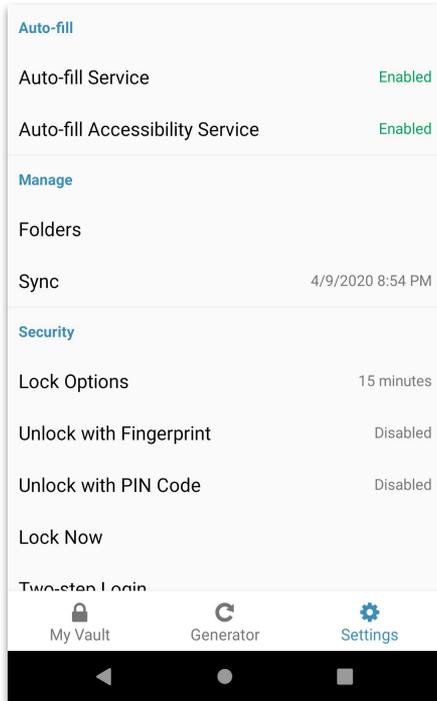
Keyboard Shortcut

Open the popup window using the keyboard shortcut below

- Windows Ctrl + Shift + Y
- Linux Ctrl + Shift + U
- macOS Cmd + Shift + Y

TAB to the login that you would like to auto-fill and then press ENTER to select

Autofill Coverage: Mobile

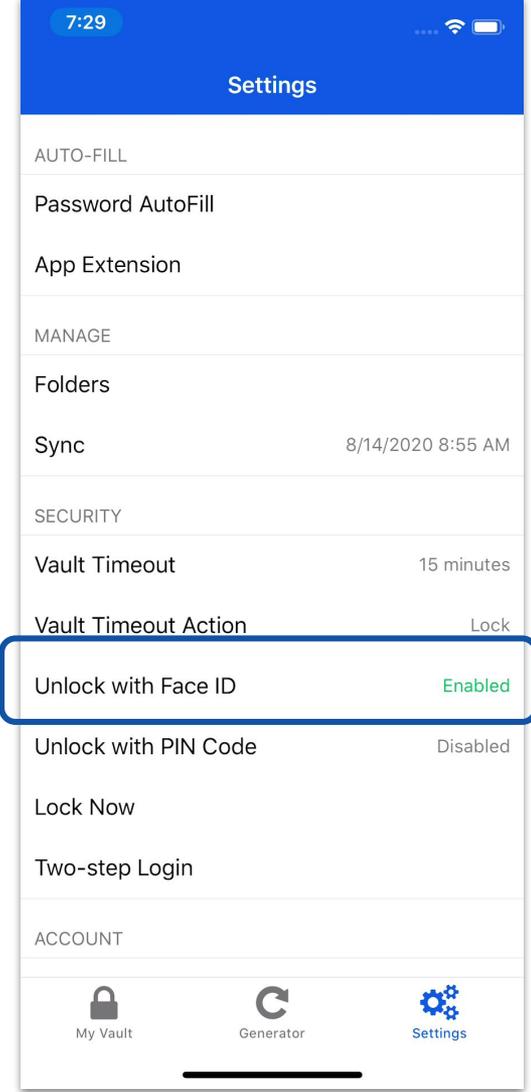
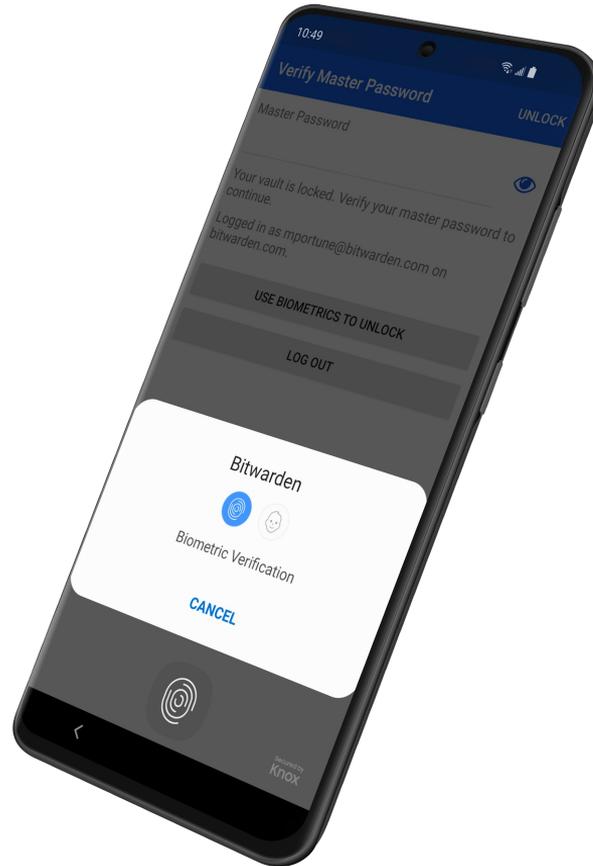


- If both Auto-fill options are available, set both to Enabled for maximum Auto-fill coverage
 - Getting Started on mobile: <https://bitwarden.com/help/article/getting-started-mobile/>

Using Biometrics

Unlock with Biometrics

- Fingerprint
- FaceID



Biometrics in the Desktop App and Browser Extensions



Desktop

Windows Hello

Touch ID



Browser Extensions

Currently for Chromium-based browsers

- Chrome
- Brave
- Edge
- Opera
- and others

Information on Biometrics:

<https://bitwarden.com/help/article/biometrics/>

Bitwarden Send

Quickly Share Sensitive Information



Transmit Securely

Information is encrypted end-to-end for robust protection



Share Text and Files

Transmit any information including passwords, documents, credentials, and more



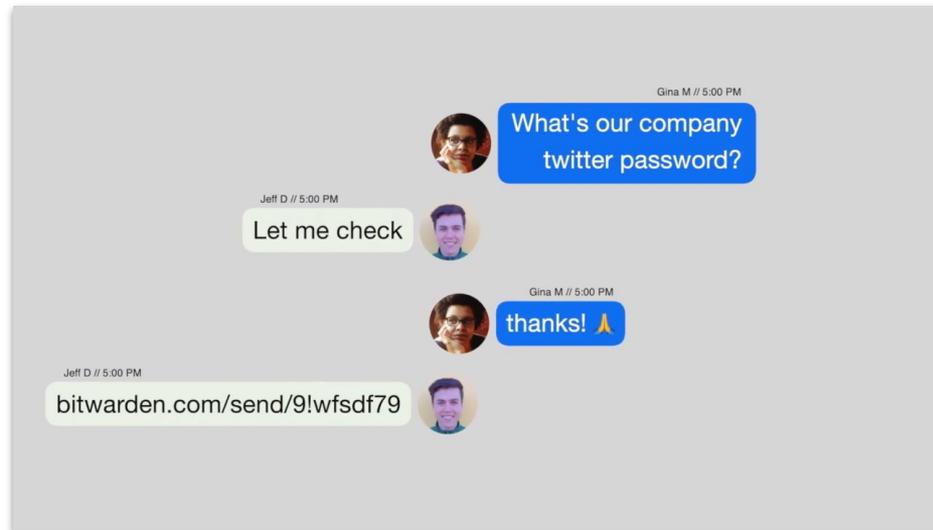
Rest Assured with Auto-delete

Set deletion times ensure your information does not stick around

How it works

Bitwarden Send empowers teams and individuals with a secure, simple way to share information temporarily

- Share a **text** or **file**
- Set an **expiration** date and time
- Add a **password** to further protect the Send
- Use Send from any Bitwarden client



Send Introduction Video <https://youtu.be/AFtPP9bcuYM>

Where to Get Help and Resources

Bitwarden Help

<https://bitwarden.com/help/>

The screenshot shows the Bitwarden Help Center interface. At the top is a blue navigation bar with the Bitwarden logo and links for Products, Download, Pricing, Help, and Blog. On the left is a vertical sidebar menu with a search bar and various categories: Home, Release Notes, Getting Started, Your Vault, Bitwarden Send, Import & Export, Auto-fill, Two-step Login, On-premises Hosting, Organizations, Provider Portal, Directory Connector, Login with SSO, and Security. The main content area features a dark blue banner with a star icon and the text "Welcome to the Help Center!". Below this is a paragraph of introductory text and a "Contact Support" button. The next section is titled "Get Started with Bitwarden" and contains five icons representing different platforms: Web Vault, Browser, Mobile, Desktop, and CLI. The final section is titled "Bitwarden for your Business" and contains five icons representing various business-related topics: Organizations, Providers, Proof-of-Concept Checklist, Onboarding & Succession, and Security & Compliance.

Community



<https://community.bitwarden.com/>

The screenshot shows the Bitwarden community forums interface. At the top, there is a blue header with the Bitwarden logo and the text "bitwarden community forums". Below the header, there is a navigation bar with a dropdown menu for "all categories", a "Categories" button, and links for "Latest", "New (23)", and "Unread (101)". The main content area is a table with two columns: "Category" and "Topics". The table lists three categories: "Feature Requests" (1.4k topics, 39 unread, 13 new), "User-to-User Support" (2.2k topics, 58 unread, 10 new), and "GitHub Contributions" (41 topics, 2 unread).

Category	Topics
Feature Requests If you want something new to be added or changed in Bitwarden, this is the place to ask.	1.4k 39 unread 13 new
User-to-User Support Get help from other Bitwarden users.	2.2k 58 unread 10 new
GitHub Contributions Share ideas for code contributions!	41 2 unread

Reddit



Welcome to r/Bitwarden

https://www.reddit.com/r/Bitwarden/comments/lqxbcz/welcome_to_rbitwarden/

A story about the Bitwarden Subreddit

Watch the video

↑ Posted by u/tgreer-bw **Bitwarden Employee** 1 month ago    6  5  4

298 ↓

Welcome to r/Bitwarden!

OC

Welcome to r/Bitwarden!

Hello Bitwarden users, both present and future! We're thrilled to have you join us on our community subreddit. Here you will find a community of users who share more in common than their choice of a password manager. This Subreddit is a forum for those that wish to discuss both Bitwarden and privacy and security-oriented topics.

A story about the Bitwarden Subreddit

0:02 / 1:51

A story about the Bitwarden Subreddit

3,968 views • Jun 1, 2020

👍 187 🗨️ 0 ➦ SHARE ⚙️ SAVE ...



Twitter



<https://twitter.com/Bitwarden>



The image shows a screenshot of the Bitwarden Twitter profile. At the top, there is a blue header with a back arrow, the name "Bitwarden", and "2,926 Tweets". Below this is a blue banner image featuring a desktop monitor, a laptop, and two smartphones, all displaying the Bitwarden web application interface. A large circular profile picture of the Bitwarden shield logo is positioned on the left side of the banner. To the right of the banner is an "Edit profile" button. Below the banner, the profile name "Bitwarden" and handle "@Bitwarden" are displayed. The bio reads: "Open source password management solutions for individuals, teams, and business organizations." Below the bio, the location is "United States", the website is "bitwarden.com", and it was "Joined August 2016". At the bottom, it shows "88 Following" and "25.5K Followers".

← **Bitwarden**
2,926 Tweets

Bitwarden
@Bitwarden

Open source password management solutions for individuals, teams, and business organizations.

📍 United States 🌐 bitwarden.com 📅 Joined August 2016

88 Following **25.5K** Followers

Edit profile



YouTube



[https://www.youtube.com/
bitwarden](https://www.youtube.com/bitwarden)

Bitwarden
2.92K subscribers

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Bitwarden Send: Protected One-to-One Information Sharing
3,371 views • 4 weeks ago

Bitwarden Send is a trusted way to securely share information directly with anyone. You can transmit text or files including passwords, credentials, and other private documents fully encrypted. To get started, visit <https://bitwarden.com/products/send>.

How Bitwarden Send works in just three easy steps:
READ MORE

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- Bitwarden Send: Protected One-to-One Information...**
3.3K views • 4 weeks ago
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GitHub



<https://github.com/bitwarden>



Bitwarden

Open source password management solutions for individuals, teams, and business organizations.

<https://bitwarden.com> hello@bitwarden.com Verified

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Pinned repositories

 **server**

The core infrastructure backend (API, database, Docker, etc).

● C# ☆ 7.6k 🍴 655

 **browser**

The browser extension vault (Chrome, Firefox, Opera, Edge, Safari, & more).

● TypeScript ☆ 2.7k 🍴 373

 **desktop**

The desktop vault (Windows, macOS, & Linux).

● TypeScript ☆ 2.6k 🍴 306

 **mobile**

The mobile app vault (iOS and Android).

● C# ☆ 2.5k 🍴 348

 **web**

The website vault (vault.bitwarden.com).

● TypeScript ☆ 1.8k 🍴 297

 **cli**

The command line vault (Windows, macOS, & Linux).

● TypeScript ☆ 1.1k 🍴 123

LinkedIn & Facebook

LinkedIn



<https://www.linkedin.com/company/bitwarden1>

A screenshot of the Bitwarden LinkedIn company page. The header features the Bitwarden logo (a shield with a 'U' shape) and a banner image showing a desktop monitor, a laptop, and a smartphone displaying the Bitwarden interface. Below the banner, the company name 'Bitwarden' is displayed, followed by the tagline 'Open source password management solutions for individuals, teams, and business organizations.' and the location 'Computer Software - Santa Barbara, CA · 4,001 followers'. A section indicates 'Kyle & 25 other connections work here · 32 employees'. Navigation buttons include 'Following', 'Visit website', and 'More'. The bottom navigation bar shows 'Home', 'My Company', 'About', 'Posts', 'Jobs', 'People', and 'Insights'.

Facebook



<https://www.facebook.com/bitwarden/>

A screenshot of the Bitwarden Facebook page. The header features the Bitwarden logo and a banner image showing a desktop monitor, a laptop, and a smartphone displaying the Bitwarden interface. Below the banner, there are buttons for 'Like', 'Share', 'Sign Up', and 'Send Message'. The 'Posts' section shows a post from Bitwarden, dated '11 hrs', with the text 'Join our next webcast this Friday - Bitwarden for Beginners - or share with a friend. We'll cover the basics and invite others to share their own tips and tricks! Save your spot here'. The 'Community' section shows a rating of '5 stars' and '4,282 people like this'.

Questions?

