

ADMIN CONSOLE > REPORTING

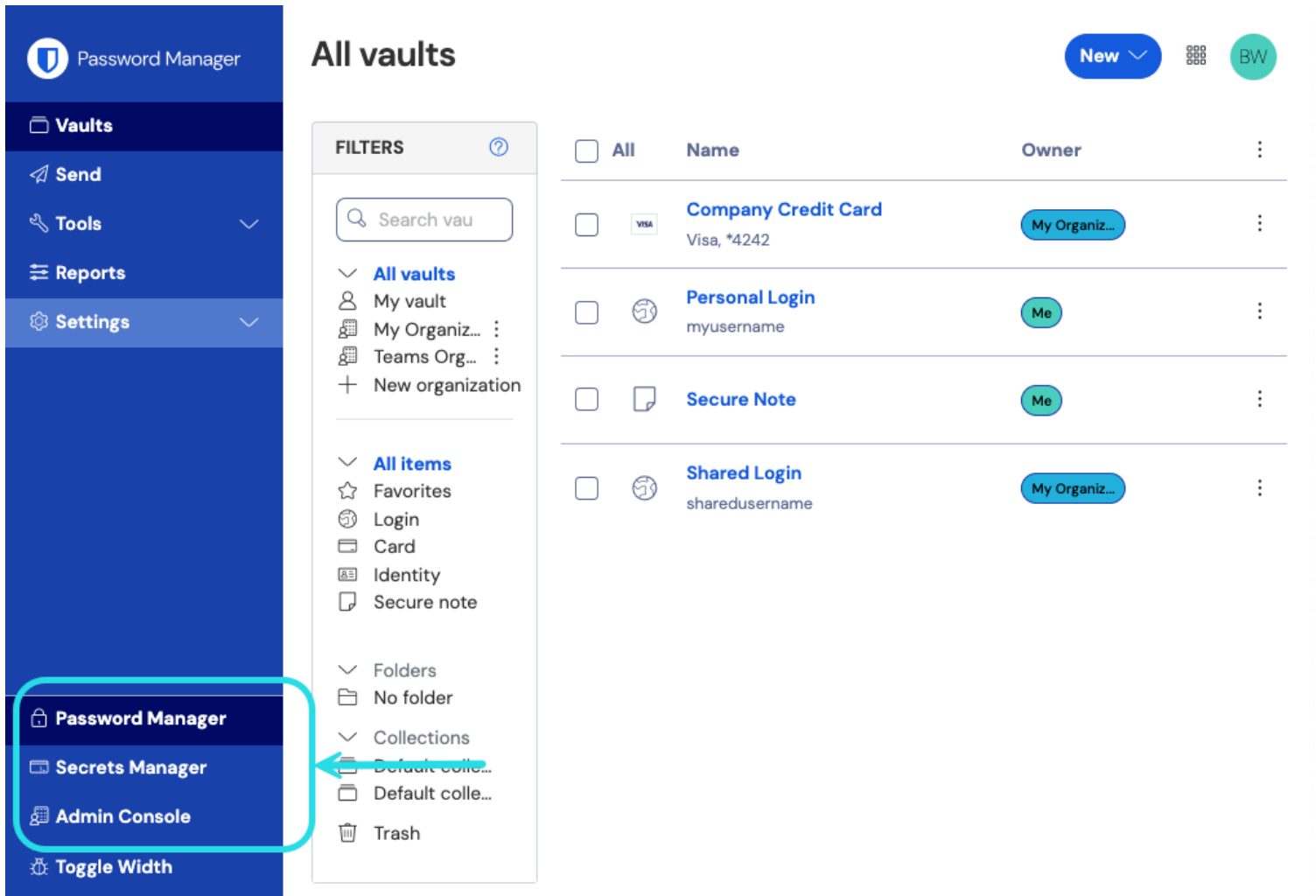
Event Logs

View in the help center:
<https://bitwarden.com/help/event-logs/>

Event Logs

Event logs are timestamped records of events that occur within your Teams or Enterprise organization. To access event logs:

1. Log in to the Bitwarden web app and open the Admin Console using the product switcher:



Product switcher

2. Select **Reporting** → **Event logs** from the navigation:

bitwarden Admin Console

- My Organization
- Collections
- Members
- Groups
- Reporting
- Event logs**
- Reports
- Billing
- Settings

Event logs

From: 11/04/2024, 12:00 AM To: 12/04/2024, 11:59 PM

[Update](#) [Export](#)

Timestamp	Client	Member	Event
Dec 3, 2024, 3:34:18 PM	Web vault - Chrome		Modified policy f813db01 .
Dec 3, 2024, 3:34:05 PM	Web vault - Chrome		User a9731c4c enrolled in account recovery.
Dec 3, 2024, 3:32:49 PM	Web vault - Chrome		Edited user a9731c4c .
Dec 3, 2024, 3:32:12 PM	Web vault - Chrome		Modified policy f813db01 .
Dec 3, 2024, 3:32:09 PM	Web vault - Chrome		Modified policy c0fd725e .
Dec 3, 2024, 3:31:54 PM	Web vault - Chrome		Removed user cf0bd6c0 .

Event logs

Events logs are exportable, accessible from the `/events` endpoint of the [Bitwarden Public API](#), and are retained indefinitely, however only 367 days worth of data may be viewed at a time (as dictated by the range selectors).

Events are captured at both the Bitwarden client and server, with most events occurring at the client. While server event capture is instantaneous and quickly processed, clients push event data to the server every 60 seconds, so you may observe small delays in the reporting of recent events. Furthermore, client events data is communicated data an API call, and this is retried until success. As a result, if the client cannot communicate with the API or is somehow modified to not send events then they will not be received and therefore processed.

Inspect events

On the **Event logs** view in the web app, selecting a pink resource identifier (e.g. **1e685004**) will do two things:

1. Open a dialog box with a list of events associated with that resource. For example, selecting an item's identifier will open a list of times the item has been edited, viewed, etc., including which member took each action.
2. Navigate to a view where you access the resource. For example, selecting a member's identifier from **Event logs** will take you to the **Members** view and automatically filter the list down to that member.

Events list

Event logs record over 60 different types of events. The event logs screen captures a **Timestamp** for the event, client app information including application type and IP (accessed by hovering over the globe icon), the **User** connected to the event, and an **Event** description.

Note

Each **Event** is associated with a type code (**1000**, **1001**, etc.) that identifies the action captured by the event. Type codes are used by the [Bitwarden Public API](#) to identify the action documented by an event.

All Event types are listed below, with their corresponding type codes:

User events

- Logged In. (1000)
- Changed account password. (1001)
- Enabled/updated two-step login. (1002)
- Disabled two-step login. (1003)
- Recovered account from two-step login. (1004)
- Login attempted failed with incorrect password. (1005)
- Login attempt failed with incorrect two-step login. (1006)
- User exported their individual vault items. (1007)
- User updated a password issued through [account recovery](#). (1008)
- User migrated their decryption key with [Key Connector](#). (1009)
- User requested [device approval](#). (1010)

Item events

- Created item *item-identifier*. (1100)
- Edited item *item-identifier*. (1101)
- Permanently Deleted item *item-identifier*. (1102)
- Created attachment for item *item-identifier*. (1103)
- Deleted attachment for item *item-identifier*. (1104)
- Moved item *item-identifier* to an organization. (1105)
- Edited collections for item *item-identifier* (1106)
- Viewed item *item-identifier*. (1107)
- Viewed password for item *item-identifier*. (1108)
- Viewed hidden field for item *item-identifier*. (1109)
- Viewed security code for item *item-identifier*. (1110)
- Copied password for item *item-identifier*. (1111)
- Copied hidden field for item *item-identifier*. (1112)
- Copied security code for item *item-identifier*. (1113)

- Autofilled item *item-identifier*. (1114)
- Sent item *item-identifier* to trash. (1115)
- Restored item *item-identifier*. (1116)
- Viewed Card Number for item *item-identifier*. (1117)

Collection events

- Created collection *collection-identifier*. (1300)
- Edited collection *collection-identifier*. (1301)
- Deleted collection *collection-identifier*. (1302)

Group events

- Created group *group-identifier*. (1400)
- Edited group *group-identifier*. (1401)
- Deleted group *group-identifier*. (1402)

Organization events

- Invited user *user-identifier*. (1500)
- Confirmed user *user-identifier*. (1501)
- Edited user *user-identifier*. (1502)
- Removed user *user-identifier*. (1503)
- Edited groups for user *user-identifier*. (1504)
- Unlinked SSO for user *user-identifier*. (1505)
- *user-identifier* enrolled in account recovery. (1506)
- *user-identifier* withdrew from account recovery. (1507)
- Master Password reset for *user-identifier*. (1508)
- Reset SSO link for user *user-identifier*. (1509)
- *user-identifier* logged in using SSO for the first time. (1510)
- Revoked organization access for *user-identifier* (1511)
- Restores organization access for *user-identifier* (1512)
- Approved device for *user-identifier*. (1513)

- Denied device for *user-identifier*. (1514)
- Delete *user-identifier*. (1515)
- User *user-identifier* left organization. (1516)
- Edited organization settings. (1600)
- Purged organization vault. (1601)
- Exported organization vault. (1602)
- Organization Vault access by a managing Provider. (1603)
- Organization enabled SSO. (1604)
- Organization disabled SSO. (1605)
- Organization enabled Key Connector. (1606)
- Organization disabled Key Connector. (1607)
- Families Sponsorships synced. (1608)
- Modified collection management setting. (1609)
- Modified policy *policy-identifier*. (1700)
- Added domain *domain-name*. (2000)
- Removed domain *domain-name*. (2001)
- *Domain-name* verified. (2002)
- *Domain-name* not verified. (2003)

Secrets Manager events

Secrets Manager events are available both from the **Reporting** tab of your organization vault and from the [service account Event logs page](#). The following Secrets Manager events are captured:

- Accessed secret *secret-identifier*. (2100)

Provider events

When any of the above events is executed by a member of an [administering provider](#), the **User** column will record the name of the provider. Additionally, a provider-specific event will record whenever a member of an administering provider accesses your organization vault:

① Accessing organization using Provider My Provider

Event logs

From 11/05/2024, 12:00 AM - To 12/05/2024, 11:59 PM [Update](#) [Export ↗](#)

Timestamp	Client	Member	Event
Dec 5, 2024, 9:24:08 AM	Web vault - Chrome	Brett Warden (My Provider)	Created collection f8506b63 .
Dec 5, 2024, 9:23:48 AM	Web vault - Chrome	Brett Warden (My Provider)	Created collection 529fd672 .
Dec 5, 2024, 9:23:37 AM	Web vault - Chrome	Brett Warden (My Provider)	Edited collection dea82d75 .
Dec 5, 2024, 9:18:56 AM	Web vault - Chrome	Brett Warden (My Provider)	Invited user 9a71dac6 .

Provider accessing events

Export events

Exporting event logs will create a **.CSV** of all events within the specified date range:

Event logs

From 11/04/2024, 12:00 AM - To 12/04/2024, 11:59 PM [Update](#) [Export ↗](#)

Timestamp	Client	Member	Event
Dec 3, 2024, 3:34:18 PM	Web vault - Chrome	■ ■	Modified policy f813db01 .
Dec 3, 2024, 3:34:05 PM	Web vault - Chrome	■ ■■■■	User a9731c4c enrolled in account recovery.
Dec 3, 2024, 3:32:49 PM	Web vault - Chrome	■ ■	Edited user a9731c4c .
Dec 3, 2024, 3:32:12 PM	Web vault - Chrome	■ ■	Modified policy f813db01 .
Dec 3, 2024, 3:32:09 PM	Web vault - Chrome	■	Modified policy c0fd725e .
Dec 3, 2024, 3:31:54 PM	Web vault - Chrome	■ ■	Removed user cf0bd6c0 .

Export Event Logs

For example:

Bash

```
message,appIcon,appName,userId,userName,userEmail,date,ip,type
Logged in.,fa-globe,Web Vault - Chrome,1234abcd-56de-78ef-91gh-abcdef123456,Alice,alice@bitwarden.c
om,2021-06-14T14:22:23.331751Z,111.11.111.111,User_LoggedIn
Invited user zyxw9876.,fa-globe,Unknown,1234abcd-56de-78ef-91gh-abcdef123456,Alice,alice@bitwarden.
com,2021-06-14T14:14:44.756666Z,111.11.111.111,OrganizationUser_Invited
Edited organization settings.,fa-globe,Web Vault - Chrome,9876dcba-65ed-87fe-19hg-654321fedcba,Bob,
bob@bitwarden.com,2021-06-07T17:57:08.186666Z,222.22.222.222,Organization_Updated
```

API responses

Accessing event logs from the `/events` endpoint of the [Bitwarden Public API](#) will return a JSON response such as the following:

Bash

```
{
  "object": "list",
  "data": [
    {
      "object": "event",
      "type": 1000,
      "itemId": "string",
      "collectionId": "string",
      "groupId": "string",
      "policyId": "string",
      "memberId": "string",
      "actingUserId": "string",
      "date": "2020-11-04T15:01:21.698Z",
      "device": 0,
      "ipAddress": "xxx.xx.xxx.x"
    }
  ],
  "continuationToken": "string"
}
```

SIEM and external systems integrations

When exporting data from Bitwarden into other systems, a combination of data from the exports, API and CLI may be used to gather data. For example, using Bitwarden RESTful APIs to gather data around the structure of the organization:

- GET /public/members returns the members, ids, and assigned groupids
- GET /public/groups returns all the groups, ids, assigned collections, and their permissions
- GET /public/collections returns all collections, and their assigned groups

Once you have the unique id for each member, group, and collection, you can now use the CLI tool to gather information using the CLI command `bw-list` to retrieve the following items in JSON format:

- Org members
- Items
- Collections
- Groups

After gathering this data, you can join rows on their unique ids to build a reference to all parts of your Bitwarden organization. For more information on using the Bitwarden CLI, see [the Bitwarden command-line tool \(CLI\)](#).