

PASSWORD MANAGER > BITWARDEN SEND

# Send from CLI

View in the help center:

<https://bitwarden.com/help/send-cli/>

## Send from CLI

Bitwarden Send is available as a set of fully-featured CLI commands. This article documents the breadth of **bw send** commands, however Send is not a separate tool from the Bitwarden command-line Interface (CLI). Therefore, many of the commands, options, and concepts in the [CLI documentation](#) are relevant here.

```

Usage: bw send [options] [command] <data>

Work with Bitwarden sends. A Send can be quickly created using this command or subcommands can be used to fine-tune the Send

Arguments:
  data                The data to Send. Specify as a filepath with the --file option

Options:
  -f, --file          Specifies that <data> is a filepath
  -d, --deleteInDays <days> The number of days in the future to set deletion date, defaults to 7 (default: "7")
  --hidden            Hide <data> in web by default. Valid only if --file is not set.
  -n, --name <name>   The name of the Send. Defaults to a guid for text Sends and the filename for files.
  --notes <notes>     Notes to add to the Send.
  --fullObject        Specifies that the full Send object should be returned rather than just the access url.
  -h, --help          display help for command

Commands:
  list                List all the Sends owned by you
  template <object>   Get json templates for send objects
  get [options] <id>  Get Sends owned by you.
  receive [options] <url> Access a Bitwarden Send from a url
  create [options] [encodedJson] create a Send
  edit [options] [encodedJson] edit a Send
  remove-password <id> removes the saved password from a Send.
  delete <id>         delete a Send

```

Send's --help text

## send

The **send** command is the master command used to access all Send-related subcommands:

*Bash*

```
bw send [options] [command] <data>
```

The **send** command can also be used as a shortcut to quickly **create** a Send, for example:

*Bash*

```
bw send "Fastest Send in the West."
```

will create a text Send with the contents **Fastest Send in the West.** and output the Send link. Or, for example:

*Bash*

```
bw send -f <path/to/file.ext>
```

will create a file Send with the specified file at the specified **path** and output the Send link.

**Options:**

- Use **-n <name>** or **--name <name>** to specify a name for the Send. If none is specified, name will default to the **id** for text Sends and file name for file Sends. For multi-word names, use quotations "**<name>**".
- Use **-d <days>** or **--deleteInDays <days>** to specify a **deletion date** for the Send (defaults to seven days if unspecified).
- Use **--maxAccessCount** or **-a** to specify the **maximum access count** for the Send.
- Use **--hidden** to specify that a text Send require recipients to **toggle visibility**.
- Use **--notes <notes>** to add private notes to the Send. For multi-word notes, use quotations "**<notes>**".
- Use **--fullObject** to output the full Send object as JSON rather than only the Send link (pair this option with the **--pretty** option for formatted JSON).

**Full example:***Bash*

```
bw send -n "My First Send" -d 7 --hidden "The contents of my first Send."
```

**create**

The **create** command creates a Send. **create** allows more advanced configuration than using only **bw send** and takes encoded JSON for its argument:

*Bash*

```
bw send create [options] <encodedJson>
```

A typical workflow might look something like:

1. Use the **template** command (see [details](#)) to output the appropriate JSON template for your Send type.
2. Use a [command-line JSON processor like jq](#) to manipulate the outputted template as required.
3. Use the **encode** command (see [details](#)) to encode the manipulated JSON.
4. Use the **create** command to create a Send from the encoded JSON.

For example, to create a text Send:

#### Bash

```
bw send template send.text | jq '.name="My First Send" | .text.text="Secrets I want to share."' | bw encode | bw send create
```

For example, to create a password-protected file Send:

#### Bash

```
bw send template send.file | jq '.name="My File Send" | .type=1 | .file.fileName="paperwork.png" | .password="p@ssw0rd"' | bw encode | bw send create
```

For example, to create a password-protected file Send with an explicit [deletion date](#). This example is broken out by operating system due to the way `.deletionDate=` should be specified:

### ⇒ Windows

#### Bash

```
$delDate = (Get-Date).AddDays(14) | date -UFormat "%Y-%m-%dT%H:%M:%SZ"

bw send template send.text | jq ".name=\"My Send\" | .text.text=\"Secrets I want to share.\" | .password=\"password\" | .deletionDate=\"$delDate\" | bw encode | bw send create
```

Notice in this example that the jq invocation must be wrapped in double quotes (" ") and use escapes (\) for each filter due to a nested `date` variable that configures a `.deletionDate` in the send.

### ⇒ macOS

#### Bash

```
bw send template send.text | jq ".name=\"My Send\" | .text.text=\"Secrets I want to share.\" | .password=\"mypassword\" | .deletionDate=\"$(date -uv+14d +%Y-%m-%dT%H:%M:%SZ)\" | bw encode | bw send create
```

Notice in this example that the jq invocation must be wrapped in double quotes (" ") and use escapes (\) for each filter due to a nested `date` variable that configures a `.deletionDate` in the send.

## ⇒ Linux

*Bash*

```
bw send template send.text | jq ".name=\"My Send\" | .text.text=\"Secrets I want to share.\" | .password=\"mypassword\" | .deletionDate=\"$(date +%Y-%m-%dT%H:%M:%SZ\" -d \"+14 days\")\" | bw encode | bw send create
```

Notice in this example that the jq invocation must be wrapped in double quotes (" ") and use escapes (\) for each filter due to a nested `date` variable that configures a `.deletionDate` in the send.

**Options:**

- Use `--file <path>` to specify the file to Send (this can also be specified in encoded JSON).
- Use `--text <text>` to specify the text to Send (this can also be specified in encoded JSON).
- Use `--hidden` to specify that a text Send require recipients to [toggle visibility](#).
- Use `--password <password>` to specify the password needed to access [password-protected](#).
- Use `--fullObject` to output the full Send object as JSON rather than only the Send link (pair this option with the `--pretty` option for formatted JSON).

**get**

The `get` command will retrieve a Send owned by you and output it as a JSON object. `get` takes an exact `id` value or any string for its argument. If you use a string, `get` will search your Sends for one with a value that matches:

*Bash*

```
bw send get [options] <id / string>
```

If you create a Send in another Bitwarden app while this session is still active, use the `bw sync` command to pull recent Sends. For more information, refer to our [CLI documentation](#).

**Options:**

- Use `--text` to output only the text contents of a text Send.
- Use `--file` to output only the file of a file Send. Pair `--file` with `--output` to specify a directory, or with `--raw` to output to stdout.
- Use `--output <output>` to specify the output directory for the `--file` option.

**edit**

The `edit` command edits an existing Send. `edit` takes encoded JSON for its argument:

**Bash**

```
bw send edit <encodedJson>
```

A typical workflow might look something like:

1. Use the **get** command (see [details](#)) to retrieve the desired Send according to its **<id>**.
2. Use a [command-line JSON processor like jq](#) to manipulate the retrieved Send as required.
3. Use the **encode** command (see [details](#)) to encode the manipulated JSON.
4. Use the **edit** command to write the edits to the send.

For example:

**Bash**

```
bw send get <id> | jq '.name="New Name" | .password=null' | bw encode | bw send edit
```

#### Options:

- Use **--itemid <itemid>** to overwrite the id value provided of the Send with a new one.

#### Note

You can't **edit** a file Send's file. To do this, you will need to delete the Send and re-create it with the appropriate file.

## list

The **list** command will list all Sends owned by you and output them as JSON:

**Bash**

```
bw send list [options]
```

If you create a Send in another Bitwarden app while this session is still active, use the **bw sync** command to pull recent sends. For more information, refer to our [CLI documentation](#).

#### Options:

- Use **--pretty** to format the JSON the output.
- Pipe stdout to a file using the **>** operator, for example:

*Bash*

```
bw send list --pretty > /Users/myaccount/Documents/pretty_list_of_sends.json
```

## delete

The **delete** command will delete a Send owned by you. **delete** takes only an exact **id** value for its argument.

*Bash*

```
bw send delete <id>
```



### Tip

If you don't know the exact **id** of the Send you want to delete, use **bw send get <search term>** to find it.

## template

The **template** command returns the expected JSON formatting for a Send object. **template** takes an **<object>** specification for its argument, either **send.text** or **send.file**.

*Bash*

```
bw send template <object>
```

While you can use **template** to output the format to your screen, the most common use-case is to pipe the output into a **bw send create** operation, using a [command-line JSON processor like jq](#) and **bw encode** to manipulate the values retrieved from the template, for example:

*Bash*

```
bw send template send.text | jq '.name="My First Send" | .text.text="Secrets I want to share."' | bw encode | bw send create
```

## receive

The **receive** command accesses a Send. **receive** takes a Send **<url>** for its argument:

*Bash*

```
bw send receive [options] <url>
```

- For text Sends, **receive** will return the text contents of the Send.
- For file Sends, **receive** will download the file to the current working directory.

**Options:**

- Use **--password <password>** to provide the password needed to access **password-protected** Sends as a string.
- Use **--passwordenv <passwordenv>** to specify the password needed to access **password-protected** Sends as a stored environment variable.
- Use **--passwordfile <passwordfile>** to specify the password needed to access **password-protected** Sends as a file with the password as its first line.
- Use **--obj** to output the full Send object as JSON rather than only the Send link (pair this option with the **--pretty** option for formatted JSON).
- Use **--output <output>** to specify the output directory for the contents of a file Send.