Collection Permissions Report Script

This guide details a script that utilizes the Bitwarden Command Line Interface (CLI) and Bitwarden Public API to generate a report for collection permissions. For this script to run, it is essential to have Python installed, along with the 'cryptography' Python module.

Steps to take:
1. Download the script and extract the files
2. Download the Bitwarden CLI and place the file (bw or bw.exe) in the same directory as the script (PermissionsReport.py) or you can also configure the bw in $PATH
3. Install Python 3 and Python Module "cryptography". More steps about this are below.
4. Gather all the details needed for the setup
5. Run script setup

```
(Windows)
python.exe .\PermissionsReport.py -c setup

(Linux, Mac)
python3 PermissionsReport.py -c setup
```

6. Setup environment variables: BW_PASSPHRASE
7. Run script to generate a report as CSV File.

```
(Windows)
python.exe .\PermissionsReport.py -c genreport

(Linux, Mac)
python3 PermissionsReport.py -c genreport
```

8. The report is in permission_report.csv file in the same directory as the script

Details Needed for the Script Setup

Before running the setup, please provide the following details:

- Organization ID: To obtain the Org ID in GUID format, open the Bitwarden Web App, click the "Organizations" menu, then get the Organization GUID from the URL.

  Example URL:
  https://vault.bitwarden.com/#/organizations/zz85f86f-bb15-4787-ac64-b03d123dba6e/vault

  Org GUID from the URL above is *zz85f86f-bb15-4787-ac64-b03d123dba6e*

- To log in using CLI, a Bitwarden account is required. Prepare the master password of this account and the API Key (Client ID & Client Secret)

    https://bitwarden.com/help/personal-api-key/

- This script also requires an Organization API Key that can be obtained from the Organization Settings.

    https://bitwarden.com/help/public-api/#authentication