

Steps to get NASA data set access

1) Install Amazon CLI

Mac:

Commands:

- `curl "https://awscli.amazonaws.com/AWSCLIV2.pkg" -o "AWSCLIV2.pkg"`
- `sudo installer -pkg AWSCLIV2.pkg -target /`

Windows: <https://docs.aws.amazon.com/cli/latest/userguide/install-cliv2-windows.html> Please refer this url.

Linux:

- `curl "https://awscli.amazonaws.com/awscli-exe-linux-x86_64.zip" -o "awscliv2.zip"`
- `unzip awscliv2.zip`
- `sudo ./aws/install`

For general help, refer: <https://docs.aws.amazon.com/cli/latest/userguide/install-cliv2.html>

Note: Use **conda install -c conda-forge awscli** to use cli with conda environment

2) Create AWS account, create your IAM token once done and **also save the file** which has the token ID and secret key

Please use this url: https://console.aws.amazon.com/iam/home?region=us-east-2#/security_credentials

3) Type in 'aws configure', in your amazon CLI preferably at the destination folder in your computer

```
(base) Atishs-MBP:~ atishjain$ aws configure
AWS Access Key ID [*****BVEQ]:
```

Enter the Token ID and AWS secret key when prompted, which is in the saved file

- 4) 'us-east-2' is the region and output format field should be 'json' when prompted

- 5) Use this command to access: **aws s3 cp s3://impact-datashare/<project-name eg. smoke-labeled> . --recursive**

The download begins:

```
(base) Atishs-MacBook-Pro:NASA atishjain$ aws s3 cp s3://impact-datashare/smoke-labeled . --recursive
download: s3://impact-datashare/smoke-labeled/time-20170732051100-loc--98.6_26.7_-97.6_27.6.bmp to ./time-20170732051100-loc--98.6_26.7_-97.6_27.6.bmp
download: s3://impact-datashare/smoke-labeled/time-20170691915027-loc--96.7_36.3_-96.0_36.8.bmp to ./time-20170691915027-loc--96.7_36.3_-96.0_36.8.bmp
download: s3://impact-datashare/smoke-labeled/time-20170691915027-loc--96.7_36.3_-96.0_36.8.tif to ./time-20170691915027-loc--96.7_36.3_-96.0_36.8.tif
download: s3://impact-datashare/smoke-labeled/time-20170652036101-loc--102.0_35.2_-97.2_39.5.bmp to ./time-20170652036101-loc--102.0_35.2_-97.2_39.5.bmp
download: s3://impact-datashare/smoke-labeled/time-20170732051100-loc--98.6_26.7_-97.6_27.6.tif to ./time-20170732051100-loc--98.6_26.7_-97.6_27.6.tif
download: s3://impact-datashare/smoke-labeled/time-20170691915027-loc--86.6_30.1_-86.0_30.7.tif to ./time-20170691915027-loc--86.6_30.1_-86.0_30.7.tif
download: s3://impact-datashare/smoke-labeled/time-20170732051100-loc--95.5_29.4_-93.4_31.9.bmp to ./time-20170732051100-loc--95.5_29.4_-93.4_31.9.bmp
download: s3://impact-datashare/smoke-labeled/time-20170691915027-loc--86.6_30.1_-86.0_30.7.bmp to ./time-20170691915027-loc--86.6_30.1_-86.0_30.7.bmp
download: s3://impact-datashare/smoke-labeled/time-20170792121100-loc--82.1_25.4_-80.5_27.7.bmp to ./time-20170792121100-loc--82.1_25.4_-80.5_27.7.bmp
download: s3://impact-datashare/smoke-labeled/time-20170762021100-loc--83.4_26.1_-80.5_28.9.bmp to ./time-20170762021100-loc--83.4_26.1_-80.5_28.9.bmp
download: s3://impact-datashare/smoke-labeled/time-20170781721102-loc--82.4_31.4_-78.7_34.7.bmp to ./time-20170781721102-loc--82.4_31.4_-78.7_34.7.bmp
download: s3://impact-datashare/smoke-labeled/time-20170831800415-loc--82.0_35.6_-81.5_36.1.bmp to ./time-20170831800415-loc--82.0_35.6_-81.5_36.1.bmp
download: s3://impact-datashare/smoke-labeled/time-20170831800415-loc--82.0_35.6_-81.5_36.1.tif to ./time-20170831800415-loc--82.0_35.6_-81.5_36.1.tif
download: s3://impact-datashare/smoke-labeled/time-20170902115380-loc--108.3_28.2_-106.0_30.0.bmp to ./time-20170902115380-loc--108.3_28.2_-106.0_30.0.bmp
download: s3://impact-datashare/smoke-labeled/time-20170902115380-loc--89.6_34.0_-88.6_34.6.bmp to ./time-20170902115380-loc--89.6_34.0_-88.6_34.6.bmp
download: s3://impact-datashare/smoke-labeled/time-20170902115380-loc--95.0_31.1_-93.8_31.9.bmp to ./time-20170902115380-loc--95.0_31.1_-93.8_31.9.bmp
download: s3://impact-datashare/smoke-labeled/time-20170902115380-loc--89.6_34.0_-88.6_34.6.tif to ./time-20170902115380-loc--89.6_34.0_-88.6_34.6.tif
download: s3://impact-datashare/smoke-labeled/time-20170902115380-loc--95.0_31.1_-93.8_31.9.tif to ./time-20170902115380-loc--95.0_31.1_-93.8_31.9.tif
download: s3://impact-datashare/smoke-labeled/time-20170732051100-loc--95.5_29.4_-93.4_31.9.tif to ./time-20170732051100-loc--95.5_29.4_-93.4_31.9.tif
download: s3://impact-datashare/smoke-labeled/time-20170792121100-loc--82.1_25.4_-80.5_27.7.tif to ./time-20170792121100-loc--82.1_25.4_-80.5_27.7.tif
download: s3://impact-datashare/smoke-labeled/time-20170911923080-loc--82.1_29.2_-81.5_29.7.bmp to ./time-20170911923080-loc--82.1_29.2_-81.5_29.7.bmp
download: s3://impact-datashare/smoke-labeled/time-20170902115380-loc--96.2_34.3_-94.5_35.6.bmp to ./time-20170902115380-loc--96.2_34.3_-94.5_35.6.bmp
download: s3://impact-datashare/smoke-labeled/time-20170902115380-loc--108.3_28.2_-106.0_30.0.tif to ./time-20170902115380-loc--108.3_28.2_-106.0_30.0.tif
download: s3://impact-datashare/smoke-labeled/time-20170911923080-loc--86.6_30.2_-87.3_30.7.bmp to ./time-20170911923080-loc--86.6_30.2_-87.3_30.7.bmp
download: s3://impact-datashare/smoke-labeled/time-20170762021100-loc--83.4_26.1_-80.5_28.9.tif to ./time-20170762021100-loc--83.4_26.1_-80.5_28.9.tif
download: s3://impact-datashare/smoke-labeled/time-20170911923080-loc--82.1_29.2_-81.5_29.7.tif to ./time-20170911923080-loc--82.1_29.2_-81.5_29.7.tif
download: s3://impact-datashare/smoke-labeled/time-20170911923080-loc--86.6_30.2_-87.3_30.7.tif to ./time-20170911923080-loc--86.6_30.2_-87.3_30.7.tif
download: s3://impact-datashare/smoke-labeled/time-20170911923080-loc--87.4_32.8_-85.8_34.1.bmp to ./time-20170911923080-loc--87.4_32.8_-85.8_34.1.bmp
```

General command structure looks like: **aws <command> <subcommand>**

Note: For project-name please refer, https://github.com/NASA-IMPACT/data_share or use the ls command to list all projects.

```
(base) Atishs-MacBook-Pro:NASA atishjain$ aws s3 ls s3://impact-datashare/
PRE cloudstreet/
PRE dust_hurricane_smoke/
PRE hld-labeled/
PRE hld/
PRE hurricanes/
PRE pm2.5-labeled/
PRE smoke-labeled/
```

Note: Replace . with your folder location if you haven't used the CLI in your folder.

You are all set 😊. Please use this command if you get an access error while copying: **aws s3 cp s3://impact-datashare/<project-name>. --debug --no-sign-request --recursive**