

# Usage

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```
vol2tp [-h] [-p prefix] [-o outdir] directory
```

- **-h** --help  
Show the usage
- **-p** --prefix  
Add prefix to the generated TIFFs, default is "stack"
- **--o** --outdir  
Assign the output directory, default to source directory

# Requirement

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- Python3
- tiff
- libtiff (dependency of tiff)

# Example

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Assume one tries to transpose TIFF stacks under `C:\Users\Demo\stack-ori` .

## Using prefix

```
vol2tp -p new-prefix /cygdrive/c/Users/Demo/stack-ori
```

This should generates `new-prefix1.tif` , `new-prefix2.tif` ... `new-prefixN.tif` under the source folder `C:\Users\Demo\stack-ori` .

## Send output to different folder

```
vol2tp -o /cygdrive/c/Users/Demo/output /cygdrive/c/Users/Demo/stack-ori
```

Assume one wants to redirect the output to `C:\Users\Demo\output` . This should generates `stack1.tif` , `stack2.tif` ... `stackN.tif` under `C:\Users\Demo\output` . If the folder isn't exists prior to the operation, it will be created on-the-fly. If the folder exists and isn't empty, it will return `*folder* is not empty` .

## Showing help

```
vol2tp -h
```

If `-h` exists, `vol2tp` will only show the help message, only `-p` and `-o` can mutually exist.

## Note

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### TIFF error

Some TIFF parsing errors might appear during the stack extraction, it's due to undefined metadata tag is found in the header, please ignore it. If the tag cause the program to halt, that's most likely to be the case where the tag is incomplete, please fix it or remove it through other program.

### Using Cygwin

Cygwin has a unique path prefix, causing `c:\` actually locates under `/cygdrive/c`. The path separator mnemonic is also switched to \*nix style instead of Windows style.

If you are trying to locates file under `C:\Users\Demo\Desktop\myfile`, please write it as `/cygdrive/c/Users/Desktop/myfile`. If you are under `/home/user/` in Cygwin's terminal, your real location is `C:\cygwin64\home\user`.