# GTiff2Tiles.Console documentation

The following documentation is written for **1.4.0** release of application.

## Requirements

Application runs on **Linux x64**, **OSX x64** and **Windows x64** operating systems.

If you're using Windows 7 SP1, you can experience weird error with **GDAL** package. It's recommended to install KB2533623 to fix it. You can read about this Windows update on MSDN.

## Usage

| Short | Long | Description | Required? |
|-------|------|-------------|-----------|
| -i | --input | Full path to input file | Yes |
| -o | --output | Full path to output directory | Yes |
| -t | --temp | Full path to temp directory | Yes |
| | --minz | Minimum cropped zoom | Yes |
| | --maxz | Maximum cropped zoom | Yes |
| -a | --algorithm | Algorithm to create tiles | Yes |
| | --tms | Do you want to create tms-compatible tiles? | Yes |
| | --threads | Threads count | No |
| | --version | Current version | |
| | --help | Message about console options | |

Simple example looks like this: `./GTiff2Tiles.Console -i "D:/Examples/Input.tif" -o "D:/Examples/Output" -t "D:/Examples/Temp" --minz 8 —maxz 11 -a crop --tms true --threads 3`

Also take a look at `Start.ps1` PowerShell script for automating the work. Note, that running this script requires installed **PowerShell** or **PowerShell Core** for **Linux/OSX** systems.

## Detailed options description

**input** is `string`, representing full path to input **GeoTIFF** file. Please, specify the path in double quotes (`"like this"`) if it contains spaces.

**output** is `string`, representing full path to directory, where tiles in will be created. Please, specify the path in double quotes (`"like this"`) if it contains spaces. **Directory should be empty.**

**temp** is `string`, representing full path to temporary directory. Please, specify the path in double quotes (`"like this"`) if it contains spaces. Inside will be created directory, which name is a **timestamp** in format `yyyyMMddHHmmssfff`.

**minz** is `int` parameter, representing minimum zoom, which you want to crop.

**maxz** is `int` parameter, representing maximum zoom, which you want to crop.

**algorithm** is `string`, representing cropping algorithm. Can be **crop** or **join**. When using **crop**, the input image will be cropped for each zoom. When using **join**, the input image will be cropped for the lowest zoom, and the upper tiles created by joining lowest ones.

**tms** is `string`, which shows if you want to create tms-compatible or non-tms-compatible tiles on output. Can have values `true` or `false`.

**threads** is `int` parameter, representing threads count. By default (if not set) uses **5 threads**.