GTiff2Tiles.Console

GTiff2Tiles.Console is a simple console application, that implements methods from **GTiff2Tiles.Core** to create tiles. The app is available to download from [GitHub Releases Page](#) and Docker Images are available on [Docker Hub](#) and [GitHub Packages Feed](#).

Supports **only GeoTIFF** as input data and creates **geodetic or mercator** tiles on output in **[tms](#)** or **non-tms** (*Google maps like*) structure.
Any **GeoTIFF** (with less, than **5 bands**) on input is supported, if it's not **EPSG:4326** or **EPSG:3857**, it'll be converted to your selected target coordinate system and saved inside **temp** directory before cropping.

Requirements

Application runs on **Linux x64** (*tested on Ubuntu 18.04+*) and **Windows x64** (*tested on Win 7 SP1+*) operating systems.

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

Usage

TODO: needs update for 2.0.0 release. Current version is written for old dev pre-releases.

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	No
	--minz	Minimum cropped zoom	Yes
	--maxz	Maximum cropped zoom	Yes
	--tms	Do you want to create tms-compatible tiles?	No
	--extension	Ready tiles extension	No
	--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 --extension .webp --threads 3`

Also take a look at [Start.ps1](#) **PowerShell** script for automating and simplifying the work. Note, that running this script requires installed **PowerShell** or **[PowerShell Core](#)** (also available on **Linux/OSX** systems!).

Detailed options description

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

-o/--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.**

-t/--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`. By default – the same directory, where application is located.

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

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

--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`. By default is `true`.

--extension is a `string`, representing ready tiles extension. By default is set to `.png`. Currently supported extensions are: `.webp`, `.jpg`, `.png`.

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

Offline docs

Offline docs are also available as pdf and distributed alongside the application.

Build dependencies

- GTiff2Tiles.Core;
- CommandLineParser – 2.8.0;