

# LODE-CLI

This CLI helps to automatically generate LOD artifacts for `.gltf` files.

## Use Package

The package can be used via `npm install -D @kreativwebdesign/lode-cli`, `yarn add -D @kreativwebdesign/lode-cli` or just `npx @kreativwebdesign/lode-cli`

### init

To setup a configuration file, run `npx @kreativwebdesign/lode-cli init`. This will guide you through the setup for the configuration file. If you change the name of the configuration file, make sure to pass the path to the run command.

### Configuration file

```
{
  "source": "**/*.gltf",
  "outputFoldername": "lode-build",
  "watch": false
}
```

### config

Run `npx @kreativwebdesign/lode-cli config` to configure the level of details for each model. You can pass the following options:

Option	Description	Default
<code>-c, --config</code>	Path to config file	<code>./lode-cli.config.json</code>
<code>-s, --source</code>	Source glob pattern	<code>**/*.gltf</code>
<code>-a, --all</code>	Wheter to reconfigure all models	<code>false</code>

For each model the following options can be set:

**How many level of details should i generate (min. 2):** Set how many level of details the cli should generate for this model. Minimum is two, the first being the original file.

Then for each level of detail the following options can be set:

**For which distance should the artifact "XXX" be used? (-1 for**

**infinity):**

Set the distance, this artifact should be visible. The values stack onto the previous distance. Type **-1** for the last artifact to be rendered infinitely (only valid for the last artifact). The first one being the original artifact

**Target scale for the artifact "LOD-X" (0-1):**

Set the target scale for this artifact relative to the original size. Choose a value between 1 (being the same as the original) and 0 (being no polygons). This can not be set for the original artifact.

## run

This command runs the LOD generating. You can pass various options to this command. Run `npx @kreativwebdesign/lode-cli` or `npx @kreativwebdesign/lode-cli run` to execute it. You can pass various options to the run command. These flags override the configuration file.

Option	Description	Default
<code>-c, --config</code>	Path to config file	<code>./lode-cli.config.json</code>
<code>-s, --source</code>	Source glob pattern	<code>**/*.gltf</code>
<code>-o, --outputFoldername</code>	Outputfoldername	<code>lode-build</code>
<code>-w, --watch</code>	Watch source files and start lode API server on port 3001	<code>false</code>
<code>-h, --help</code>	Display help for command	

## help

Run `npx @kreativwebdesign/lode-cli help` to display help.

## clean

Run `npx @kreativwebdesign/lode-cli clean` to clean the output folder. You can pass the same `outputFoldername` and `config` option as for the `run` command.

## Dev Usage

Instead of installing the package one can simply run `npx @kreativwebdesign/lode-cli yarn start` while working on the cli itself.

## Dev

Run `yarn setup` to get up and running

## Publish

- Prepare versions and ensure clean setup state
- `npm publish --access public`