Tomb Raider (OpenLara)

This game engine recreation seeks to allow you to play the original **Tomb Raider** engine games, from 1 all the way up to 5.

Tomb Raider 1 is officially supported and fully playable. Episodes 2 and 3 require workarounds to launch, more info on Libretro's documentation.

Add that info to this page.

OpenLara requires Batocera **v38** or higher on an x86_64 system.

This system scrapes metadata for the “pc” group and loads the `openlara` set from the currently selected theme, if available.

Grouped with the “ports” group of systems.

Quick reference

- **Emulator:** RetroArch
- **Core:** libretro: OpenLara
- **Folder:** `/userdata/roms/openlara`
- **Accepted ROM formats:** `.croft`

Installation

Getting the original Tomb Raider files

OpenLara requires the original files from either the PC version (GOG or Steam), PlayStation or Sega Saturn releases of the game. These include the `DATA` (levels and loading screen), `FMV` (videos) and `AUDIO` files.

The PSX version is clearly recommended because it has better video quality and more audio tracks.

PlayStation

The files from the PS version can be dumped using jpsxdec.

(Fix Me! are the files required identical to the PC version? If not, it should be mentioned here)

PC version (GOG or Steam)

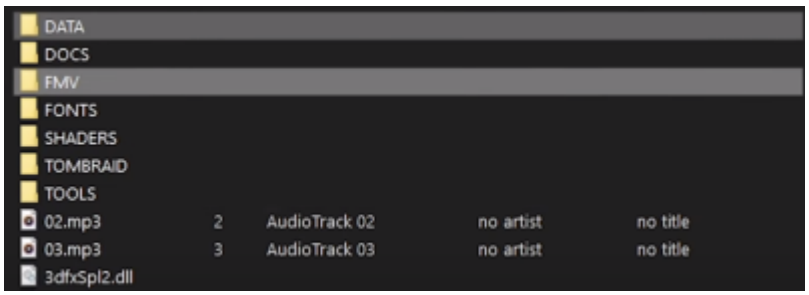
Tomb Raider 1

When you get Tomb Raider from **GOG** or **STEAM**, you will see the following files inside the folder: `GAME.GOG`, `GAME.DAT`, `dosbox.exe` and the dosbox configuration file. The file **game.dat** is actually the **iso** of the game that contains the necessary files, for that we will use a command under DOSBOX to mount the image and copy the necessary files.

Open the `dosbox.conf` file with a text editor. Scroll down to the **[autoexec]** block, then add the following lines that will be executed at the start of the game under Steam/GOG.

```
mount C .
        imgmount d ".\game.dat" -t iso -fs iso
        xcopy D:\DATA\ C:\DATA\
        xcopy D:\FMV\ C:\FMV\
```

This will mount the image and copy the **FMV** and **DATA** folders to the root of the game.



You just need to retrieve the necessary files from these folders and paste them into the **OpenLara** structure.

Provide a method that doesn't require dosbox.

Converting MP3 files to .ogg files

The audio files as-is will not work with OpenLara, they must be converted to the OGG format. You can do this with **ffmpeg** script.

```
for f in ./*.mp3; do ffmpeg -i "$f" -c:a libvorbis -q:a 4 "${f/%mp3/ogg}";
done
```

Examples for other platforms, instructions to do this from within Batocera.

Installing the files

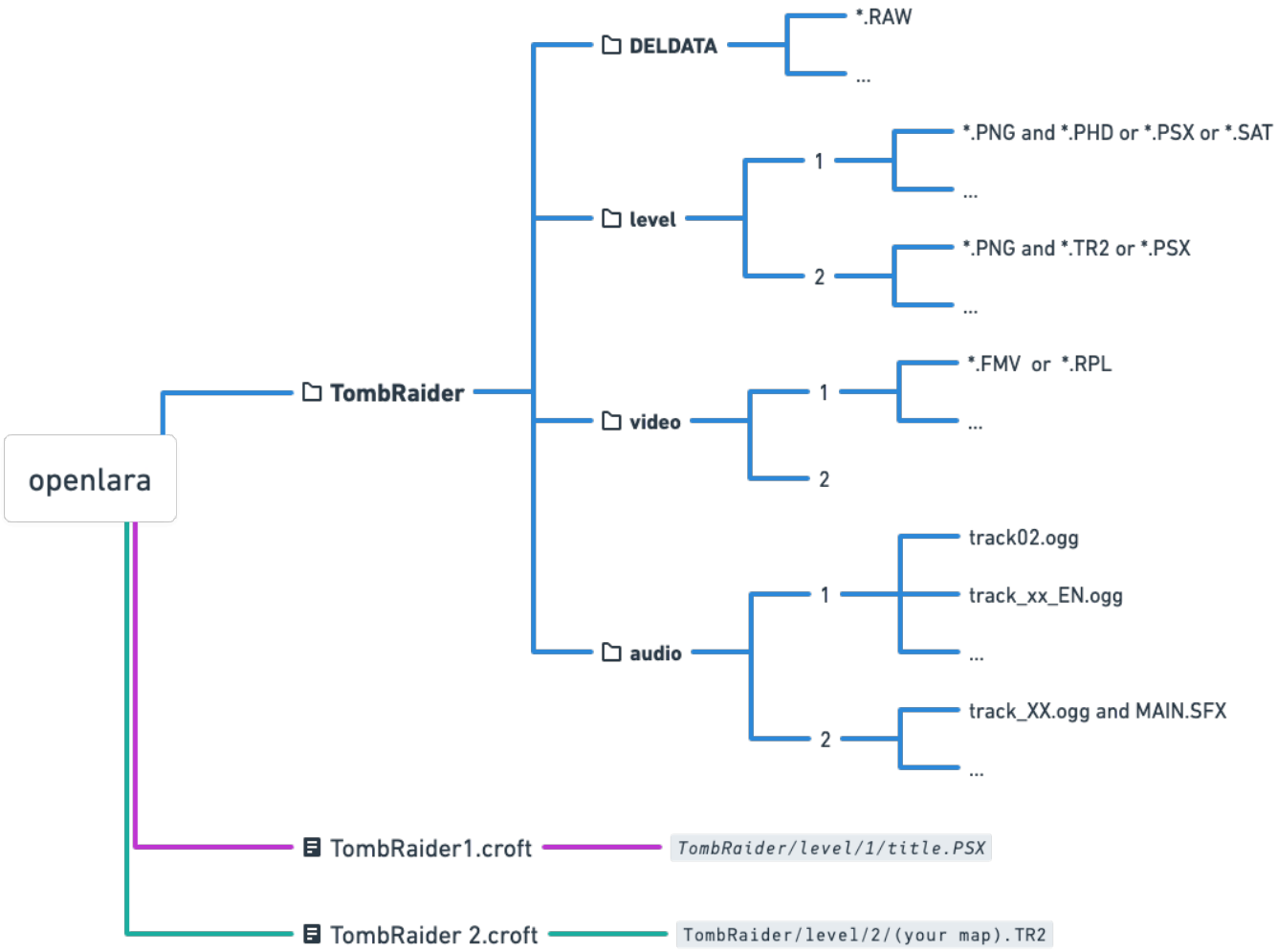
Navigate to `/userdata/roms/openlara`.

Start by creating a folder of your choice to hold the file structure (example **TombRaider**).

In each sub-folder we will create folders **1** for **TombRaider 1** files and **2** for **TombRaider 2** files, etc...

Folder content

- The **level** folder must contain **.PHD** and **.PNG** files from the **DATA** folder of the PC version (or only **.PSX** or **.SAT** files if it's a console dump).
- The **video** folder must contain the **.RPL** files (if PC version) or **.FMV** files (if console version).
- The **audio** folder must contain the **.ogg** files (note that to have Lara's tutorial explanations in English, you need the **track_xx_EN.ogg** tracks).
- To have the background of the game title screen, it is necessary to retrieve the RAW files from the console version and paste them into a **DELDATA** folder at the same level as the level/video/audio folders.



Prepare the game for EmulationStation

EmulationStation supports the **.croft** extension, which serves as a launcher for the level. Start by creating a text file `TombRaider1.croft` and edit it to add the path of the level to launch:

```
TombRaider/level/1/GYM.PSX
```

In this example, the “GYM” level will be launched first. You can then press the **Select** button to display the menu and return to the TombRaider title screen.

Emulators

RetroArch

RetroArch has its own page.

libretro: openlara

libretro: openlara configuration

Standardized features for this core: `openlara.autosave`

ES setting name `batocera.conf_key`	**Description ⇒ ES option `key_value`**
Settings that apply to all systems this core supports	
RENDERING RESOLUTION `global.lara-resolution`	Enhancement. Increase the rendering resolution. Makes 3D objects clearer. ⇒ 320×240 `320×240`, 360×480 `360×480`, 480×272 `480×272`, 512×384 `512×384`, 512×512 `512×512`, 640×224 `640×224`, 640×448 `640×448`, 720×576 `720×576`, 800×600 `800×600`, 960×720 `960×720`, 1024×768 `1024×768`, 1280×720 `1280×720`, 1280×960 `1280×960`, 1600×1200 `1600×1200`, 1920×1080 `1920×1080`, 1920×1440 `1920×1440`, 1920×1600 `1920×1600`, 2048×2048 `2048×2048`, 2560×1440 `2560×1440`, 3840×2160 `3840×2160`, 7680×4320 `7680×4320`, 15360×8640 `15360×8640`, 16000×9000 `16000×9000`.
FRAMERATE `global.lara-framerate`	Set desired framerate. ⇒ 30fps `30fps`, 60fps (Default) `60fps`, 70fps `70fps`, 72fps `72fps`, 75fps `75fps`, 90fps `90fps`, 100fps `100fps`, 119fps `119fps`, 120fps `120fps`, 144fps `144fps`, 240fps `240fps`, 244fps `244fps`.

Controls

With OpenLara, you can experience Tomb Raider like you've never played before. You can try it through the eyes of Lara Croft with the primary person camera, for this you can switch to this mode by pressing L1 + A and exit this mode with the same combination.

You can include your friend with whom you want to pass TR levels together. Press Start from Second

Controller in order to go 2-Payer Mode.

Troubleshooting

Further troubleshooting

For further troubleshooting, refer to the generic support pages.

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