Under construction. Needs further testing.

Raze

Raze is a fork of Build engine games backed by GZDoom tech and combines Duke Nukem 3D, Blood, Redneck Rampage, Shadow Warrior and Exhumed/Powerslave in a single package. It is also capable of playing Nam and WW2 GI.

“Another day another corpse.” Caleb from Blood.

This system scrapes metadata for the “ports” group(s) and loads the raze set from the currently selected theme, if available.

Grouped with the “ports” group of systems.



Quick reference

- **Emulator:** Raze
- **Folder:** `roms/raze/`
- **Accepted ROM formats:** `.raze`

BIOS

No Raze emulator in Batocera needs a BIOS file to run.

ROMs

Place your Raze ROMs in `/userdata/roms/raze/`.

Each game needs a .raze file to tell Raze how to launch the game, the file need to point to the main game file and add-on file (it's case sensitive).

eg.:

/userdata/roms/raze/Blood - Cryptic Passage.raze (make it easy to scrapper)

/userdata/roms/raze/blood/BLOOD.RFF (main game data)

/userdata/roms/raze/blood/cryptic.zip (add-on data)

/userdate/roms/raze/blood/music/blood02.ogg to blood09.ogg (music data - expects to find it in the same directory as the game's main files or in a /music/ sub-folder of it - mudic files named track02.ogg, track03.ogg, etc are supported but are deprecated, prefer to use the game name instead)

- Music files:

- Blood: blood02.ogg to blood09.ogg
- Exhumed: exhumed02.ogg to exhumed19.ogg
- Redneck Rampage/Route 66: redneck02.ogg to redneck09.ogg
- Redneck Rampage: Rides Again: redneckside02.ogg to redneckrides09.ogg
- Shadow Warrior: shadow02.ogg to shadow14.ogg

- **Supported games (.raze file content and data files location)**:

- One Unit Whole Blood (via NBlood)

One Unit Whole Blood.raze

```
FILE = /blood/BLOOD.RFF
```

Files from game folder /Blood and Blood/movies.

```
/userdata/roms/raze/
               ├─ blood/
               │  ├─ music/
               │  │  └─ blood2.ogg to blood9.ogg (or track02.ogg to
track09.ogg) (optional)
               │  ├─ BLOOD.INI
```

```
                ├─ BLOOD.RFF
                ├─ GUI.RFF
                ├─ SOUNDS.RFF
                ├─ SURFACE.DAT
                ├─ TILES000.ART to TILES017.ART
                └─ VOXEL.DAT
                └─ One Unit Whole Blood.raze
```

- Blood: Cryptic Passage (via NBlood)

One Unit Whole Blood.raze

```
FILE = /blood/BLOOD.RFF
FILE = /blood/cryptic.zip
```

Files from game folder /Blood and Blood/movies.

```
/userdata/roms/raze/
                ├─ blood/
                │  ├─ cryptic .zip
                │  │  ├─ CP01.MAP TO CO09.MAP
                │  │  ├─ CPART07.AR_
                │  │  ├─ CPART15.AR_
                │  │  ├─ CPBB01.MAP TO CPBB04.MAP
                │  │  ├─ CSPL.MAP
                │  │  ├─ CRYPTIC.INI
                │  │  ├─ CRYPTIC.SMK
                │  │  └─ CRYPTIC.WAV
                └─ Blood - Cryptic Passage.raze
```

- Blood: Death Wish (via NBlood)

One Unit Whole Blood.raze

```
FILE  = /blood/BLOOD.RFF
FILE+ = /blood/deathwish.zip
```

Files from game folder /Death Wish, Death Wish/movies.

```
/userdata/roms/raze/
                └─ blood/
                   ├─ deathwish.zip/
                   │  ├─ DEATHWISH.INI (rename it from DW.INI)
                   │  ├─ CPART07.AR_
                   │  ├─ DW1A.OGV to DW3B.OGV
                   │  ├─ DW1A.SMK to DW3B.SMK
                   │  └─ DW*.MAP (39 files)
                   └─ Blood - Death Wish.RAZE
```

** - Duke Nukem 3D v1.3D, Atomic Edition, and Twentieth Anniversary World Tour** (via JFDuke & EDuke 2.0; World Tour extensions via DukeGDX)

Duke Nukem 3D.raze

```
FILE = /duke/DUKE3D.GRP
```

Files from game folder /Duke Nukem 3D

```
/userdata/roms/raze/Duke Nukem 3D.raze
                                        └── FILE = /duke/DUKE.RGP
/userdata/roms/raze/duke/
                          └── DUKE3D.GRP (The World Tour's extra features will
requires the whole game installation)
```

Note: For Duke Nukem games you can install High-Definition Packs and Music Packs: http://hrp.duke4.net/download.php Some files have versions for Raze emulator and others for Eduke32 emulator, make sure to download the correct one.

- Duke It Out in D.C.

Duke It Out in D.C..raze

```
FILE  = /duke/DUKE3D.GRP
FILE+ = /duke/DUKEDC.GRP
```

Files from game folder /Duke Nukem 3D and /Duke Nukem 3D/gameroot/addons

```
/userdata/roms/raze/Duke It Out in D.C..raze
                                            └── FILE  = /duke/DUKE.RGP
                                                FILE+ = /duke/DUKEDC.GRP
/userdata/roms/raze/duke/
                          ├── DUKE3D.GRP
                          └── DUKEDC.GRP
```

- Duke Caribbean: Life's a Beach

Duke It Out in D.C..raze

```
FILE  = /duke/DUKE3D.GRP
FILE+ = /duke/VACATION.GRP
```

Files from game folder /Duke Nukem 3D and /Duke Nukem 3D/gameroot/addons

```
/userdata/roms/raze/Duke Nukem 3D.raze
                                        └── FILE  = /duke/DUKE.RGP
                                            FILE+ = /duke/VACATION.GRP
```

```
/userdata/roms/raze/duke/
                          ├── DUKE3D.GRP
                          └── VACATION.GRP (Duke Caribbean: Life's a Beach)
```

- Duke: Nuclear Winter

Duke - Nuclear Winter.raze

```
FILE  = /duke/DUKE3D.GRP
FILE+ = /duke/NWINTER.GRP
```

Files from game folder /Duke Nukem 3D and /Duke Nukem 3D/gameroot/addons

```
/userdata/roms/raze/Duke - Nuclear Winter.raze
                                              └── FILE  = /duke/DUKE.RGP
                                                  FILE+ = /duke/NWINTER.GRP
/userdata/roms/raze/duke/
                          ├── DUKE3D.GRP
                          └── NWINTER.GRP
```

- Duke Zone 2

Duke - Nuclear Winter.raze

```
FILE  = /duke/dukezone2.grp
```

Files from game folder /Duke Zone 2

```
/userdata/roms/raze/Duke Zone 2.raze
                                    └── FILE  = /duke/DUKE!ZON.GRP
                                        FILE+ = /duke/DUKEZONE2.GRPINFO
(Atomic) OR DUKEZONE2_WT.GRPINFO (World Tour)
/userdata/roms/raze/dukezone2/
                               ├── DUKE!ZON.GRP
                               ├── DUKEZONE2.GRPINFO (Atomic) OR
DUKEZONE2_WT.GRPINFO (World Tour)
                               └── FIXED CON FILES:
https://hrp.duke4.net/download.php
                                                    ├── GAME.CON
                                                    ├── DEFS.CON
                                                    ├── USER.CON
                                                    └── E3L1.MHK
```

- Exhumed/PowerSlave (via PCExhumed, with various enhancements inspired by PowerslaveGDX)

Exhumed.raze

```
FILE = /exhumed/STUFF.DAT
```

Power Slave.raze

```
FILE = /pwrslave/STUFF.DAT
```

Files from game folder /Exhumed or /PWRSLAVE

```
/userdata/roms/raze/Exhumed - PowerSlave.raze
                                                └── FILE = /exhumed/STUFF.DAT
/userdata/roms/raze/exhumed/
                             ├── BOOK.MOV
                             └── STUFF.DAT
/userdata/roms/raze/exhumed/music/
                                  └── exhumed02 to exhumed19.ogg (or
track02.ogg to track19.ogg ) (optional)
```

- NAM/NAPALM (via EDuke 2.1)

Nam.raze

```
  FILE = /nam/NAM.GRP
  CON  = /nam/NAM.CON
<\file>

Files from game folder /NAM

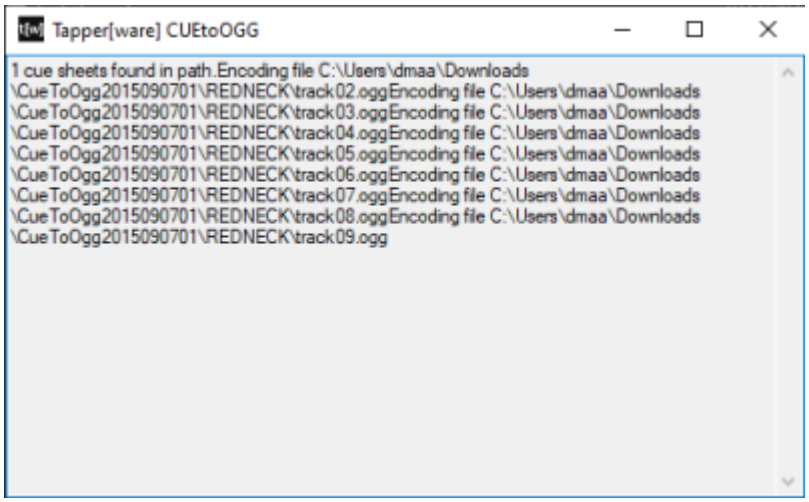
<code>
/userdata/roms/raze/Nam.raze
                              └── FILE = /nam/NAM.GRP
                                  CON  = /nam/NAM.CON
/userdata/roms/raze/nam/
                             ├── GAME.CON
                             ├── NAM.GRP
                             └── NAM.RTS
</code>
**- Redneck Rampage** (via Rednukem)

<file - Redneck Rampage.raze>
FILE = /redneck/REDNECK.GRP
```

Files from game folder /Redneck Rampage

```
/userdata/roms/raze/Redneck Rampage.raze
                                        └── FILE = /redneck/REDNECK.GRP
/userdata/roms/raze/redneck/
                             └── REDNECK.GRP
/userdata/roms/raze/redneck/music/
                                  └── redneck02.ogg to redneck10.ogg (or
track02.ogg to track10.ogg) (optional)
```

Note: The GOG distribution of the Redneck Rampage Collection does not feature the soundtrack as a loose collection of ogg files. Instead, an Disc Image is provided in the form of a BIN+CUE pair, with the BIN file named REDNECK.gog (or RRRAGAIN.gog) and the CUE file named REDNECK.inst (or RRRAGAIN.inst). The Steam distribution of Redneck Rampage does not feature the CD soundtrack at all, in any form. It is possible to convert the BIN/CUE to .ogg again with https://github.com/hansschmucker/CueToOgg Just copy the .gog and .inst to the CueToOgg root folder and execute CueToOgg.exe, wait until the extract process finish. * Use the same files for Redneck Rampage Rides Again



- Redneck Rampage: Suckin' Grits on Route 66

Redneck Rampage - Suckin' Grits on Route 66.raze

```
FILE = /redneck/REDNECK.GRP
FILE+ = /redneck/route66.zip
```

Files from game folder /Redneck Rampage

```
/userdata/roms/raze/Redneck Rampage - Suckin' Grits on Route 66.raze
                                                                └── FILE
= /redneck/REDNECK.GRP
                                                                    FILE+
= /redneck/route66.zip
/userdata/roms/raze/redneck/route66.zip
                                          ├── ASYAMB.VOC
                                          ├── BUBBA66.CON
                                          ├── DEFS66.CON
                                          ├── END66.ANM
                                          ├── END66.VOC
                                          ├── G_BITE.VOC
                                          ├── G_SIT.VOC
                                          ├── GAME66.CON (Rename to GAME.CON)
                                          ├── GATOR66.CON
                                          ├── NEON.VOC
                                          ├── PIG66.CON
                                          ├── route66/ (all .MAP files) (Keep
```

```
the ROUTE66 folder into the zip file)
                                        |   ├── ALIEN.MAP
                                        |   ├── BIGFOOT.MAP
                                        |   ├── BREWERY.MAP
                                        |   ├── CAMPY.MAP
                                        |   ├── CARNIVAL.MAP
                                        |   ├── COFFIN.MAP
                                        |   ├── FLEA.MAP
                                        |   ├── GAS.MAP
                                        |   ├── HOOVRDAM.MAP
                                        |   ├── MINIGOLF.MAP
                                        |   ├── RANCH.MAP
                                        |   ├── SLAUGHTR.MAP
                                        |   ├── START.MAP
                                        |   └── TRUCKSTP.MAP
                                        ├── TILESA66.ART (Rename it to
TILESA24.ART)
                                        ├── TILEBA66.ART (Rename it to
TILESB25.ART)
                                        ├── TURD66.ANM
                                        ├── TURD66.VOC
                                        └── USER66.CON
/userdata/roms/raze/redneck/music/
                                    └── redneck02.ogg to redneck10.ogg (or
track02.ogg to track10.ogg) (optional)
```

- Redneck Rampage Rides Again

Redneck Rampage - Suckin' Grits on Route 66.raze

```
FILE = /redneckrides/RIDES.GRP
```

Files from game folder /Redneck Rampage/AGAIN

```
/userdata/roms/raze/Redneck Rampage Rides Again.raze
                                                    └── FILE  =
/redneckrides/RIDES.GRP
/userdata/roms/raze/redneckrides/
                                    ├── RIDES.GRP (Rename it from REDNECK.GRP to
RIDES.GRP, this is not the same file as REDNECK/REDNECK.GPR but
REDNECK/AGAIN/REDNECK.GPR)
                                    └── REDINT.MVE
/userdata/roms/raze/redneckrides/music/
                                        └── redneckrides02.ogg to
redneckrides10.ogg (or track02.ogg to track10.ogg) (optional)
```

- Shadow Warrior (via SWP & VoidSW)

Shadow Warrior.raze

```
FILE  = /shadow/SW.GRP
```

Files from game folder /Shadow Warrior

```
/userdata/roms/raze/Shadow Warrior.raze
                                        └── FILE = /shadow/SW.GRP
/userdata/roms/raze/shadow/
                             └── SW.GRP
/userdata/roms/raze/shadow/music/
                                   └── shadow.ogg to shadow14.ogg (or
track02.ogg to track14.ogg) (optional)
```

- Shadow Warrior: Twin Dragon

Shadow Warrior - Twin Dragon.raze

```
FILE  = /shadow/SW.GRP
FILE+ = /shadow/TD.GRP
```

Files from game folder /Shadow Warrior Classic/ and /Shadow Warrior Classic/gameroot/addons

```
/userdata/roms/raze/Shadow Warrior - Twin Dragon.raze
                                                    ├── FILE  =
/shadow/SW.GRP
                                                    └── FILE+ =
/shadow/TD.GRP or TWINDRAG.GRP*
/userdata/roms/raze/shadow/
                             ├── SW.GRP
                             └── TD.GRP or TWINDRAG.GRP*
/userdata/roms/raze/shadow/music/
                                   └── shadow.ogg to shadow14.ogg (or
track02.ogg to track14.ogg) (optional)
```

- Shadow Warrior: Wanton Destruction

Shadow Warrior - Twin Dragon.raze

```
FILE  = /shadow/SW.GRP
FILE+ = /shadow/WD.GRP
```

Files from game folder /Shadow Warrior Classic/ and /Shadow Warrior Classic/gameroot/addons

```
/userdata/roms/raze/Shadow Warrior - Wanton Destruction.raze
                                                          ├── FILE  =
/shadow/SW.GRP
                                                          └── FILE+ =
/shadow/WT.GRP
```

```
/userdata/roms/raze/shadow/
                            ├── SW.GRP
                            └── WT.GRP
/userdata/roms/raze/shadow/music/
                                  └── shadow02.ogg to shadow14.ogg (or
track02.ogg to track14.ogg) (optional)
```

- World War II GI (via EDuke 2.1)

World War II GI.raze

```
FILE = /ww2gi/WW2GI.GRP
```

Files from game folder /WWII GI

```
/userdata/roms/raze/World War II GI.raze
                                       └── FILE  = /ww2gi/WW2GI.GRP
/userdata/roms/raze/ww2gi/
                          ├── WW2GI.GRP
                          └── WW2GI.CON
```

- World War II GI: Platoon Leader (expansion)

World War II GI - Platoon Leader .raze

```
FILE  = /ww2gi/WW2GI.GRP
FILE+ = /ww2gi/PLATOONL.DAT
CON   = PLATOONL.DEF
```

Files from game folder /WWII GI and /platoonleader

```
/userdata/roms/raze/World War II GI - Platoon Leader.raze
                                                        ├── FILE  =
/ww2gi/WW2GI.GRP
                                                        ├── FILE+ =
/ww2gi/PLATOONL.DAT
                                                        └── CON   =
/ww2gi/PLATOONL.DEF
/userdata/roms/raze/ww2gi/   [Files from game folder /WWII GI Platoon
Leader]
                          ├── WW2GI.GRP
                          ├── PLATOONL.DAT
                          └── PLATOONL.DEF
```

Raze compatible games: https://zdoom.org/wiki/Raze#Supported_games

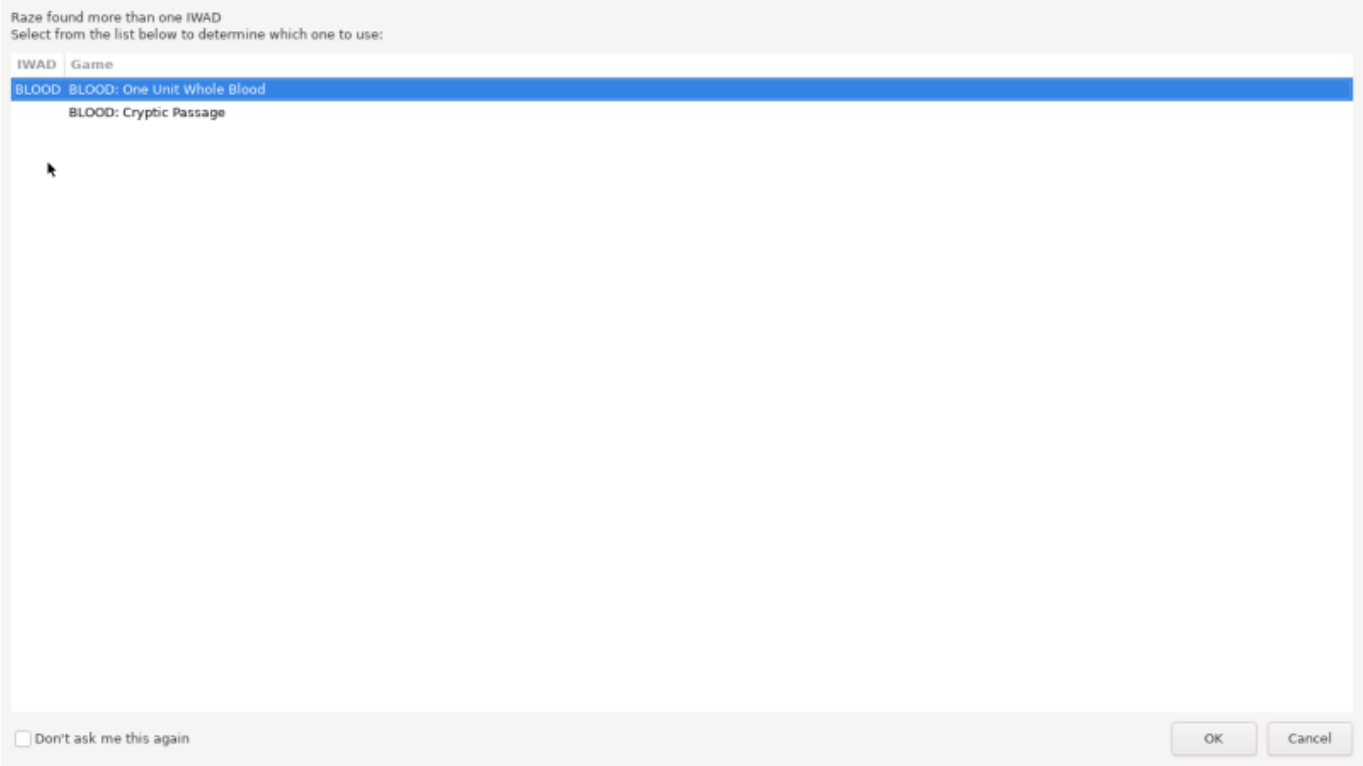
Features

Raze includes the following features:

- Polymost is used as the primary render, but significantly rewritten and separated from OpenGL, utilizing a new texture manager. Polymost is only used in this capacity to generate polygons and sending them off to the backend, which runs on OpenGL 3.3 with the option to use OpenGL 4.5 features. This ensures that new render features can be added to the same backend later, and where a different renderer other than Polymost can also be used
- GZDoom's post-processing effects framework is incorporated, allowing effects such as bloom and faking increased color ranges with dithering to be possible
- A replaced and revamped file system, based on the WAD manager used in GZDoom
- Runs on the full GZDoom backend
- Overhauled input system, with synchronized and unsynchronized modes
- Improved interpolation, both engine-side and game-side
- Skies are rendered as a composite texture, curing the visible seams in many sky textures
- A lighter version of GZDoom's “ZMusic” library is used as music system
- OpenAL is used as sound system
- The menu code from GZDoom is used as a generic system across all supported games
- Support for multiple languages
- Integrated widescreen compatible assets for the supported games
- Games are in their own modules and do not interact with each other. Render, sound system, and input are used universally across the titles
- Controller support is included, using the existing ZDoom controller code
- Multiplayer and networking have a different implementation per game, which are currently entirely nonfunctional and left as-is
- OSD and configuration maintenance replaced with ZDoom's console and config code

Launch Game

When launching a game, if it has an add-on associated, it will be required to select between the main game or the add-on:



Saves

Save location `saves/raze/<game>.<save game extension>`

Emulators

Raze

Raze configuration

Standardized features available to all cores of this emulator: raze.videomode, raze.padtokeyboard

Controls

Fix Me!

Here are the default Raze's controls shown on a Batocera Retropad:

Troubleshooting

Game does not launch: - Check logs files es_launch_stderr.log and raze.log - Make sure all files are available at roms/azure - Make sure the .raze launch file is setup correctly

1. Check the case sensitive
2. Check the use of FILE, FILE+ and CON
3. Reset system files: delete files from /userdata/system/configs/raze/* and /userdata/saves/raze/*

Script error “raze.pk3:menudef.txt” line 815: Float expected, got 0.5 If the Raze engines does not find the files specified by the .raze file, it will scan the whole shared folder to find them, so it could wrong set a file that could be stored out of roms/azure folder, and will prevent the game to launch correctly. Check the /saves/raze/grpcrccache.txt and remove the line that points to files that are not stored into /roms/azure path. https://github.com/batocera-linux/batocera.linux/issues/7123

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