

# Contents

<b>SnapRip</b>	<b>3</b>
<b>Why SnapRip?</b>	<b>3</b>
<b>Usage</b>	<b>3</b>
<b>Output file formats</b>	<b>3</b>
Koala image . . . . .	3
Hires image . . . . .	4
PETSCII image standard ROM font . . . . .	4
PETSCII image with custom font . . . . .	4
Spriteset . . . . .	4
<b>Author</b>	<b>5</b>
<b>Getting Started</b>	<b>6</b>
Prerequisites . . . . .	6
<b>Changelog</b>	<b>7</b>
Future plans . . . . .	7
Changes in 2.00 . . . . .	7
Changes in 1.00 . . . . .	7
<b>License</b>	<b>8</b>
<b>GNU General Public License</b>	<b>9</b>
Preamble . . . . .	9
TERMS AND CONDITIONS . . . . .	10
0. Definitions . . . . .	10
1. Source Code . . . . .	11
2. Basic Permissions . . . . .	11
3. Protecting Users' Legal Rights From Anti-Circumvention Law	12
4. Conveying Verbatim Copies . . . . .	12
5. Conveying Modified Source Versions . . . . .	12
6. Conveying Non-Source Forms . . . . .	13
7. Additional Terms . . . . .	15
8. Termination . . . . .	16
9. Acceptance Not Required for Having Copies . . . . .	17
10. Automatic Licensing of Downstream Recipients . . . . .	17
11. Patents . . . . .	17
12. No Surrender of Others' Freedom . . . . .	19
13. Use with the GNU Affero General Public License . . . . .	19
14. Revised Versions of this License . . . . .	19
15. Disclaimer of Warranty . . . . .	20
16. Limitation of Liability . . . . .	20

17. Interpretation of Sections 15 and 16 . . . . .	20
How to Apply These Terms to Your New Programs . . . . .	20
<b>Python 3 license</b>	<b>22</b>

## SnapRip

SnapRip parses C64 Vice snapshots and extracts koala or hires images, sprites, font and petscii from it. As of now, this is a commandline-tool. It runs on 64 bit versions of Linux, MacOS, Windows and other systems supported by Python.

## Why SnapRip?

reason	description
open source	easy to modify and to improve, any useful contribution is highly welcome
portable	available on Linux, MacOS, Windows and any other system supported by Python3
simple	easy to use

## Usage

```
snaprip v2.00 [27.02.2022] *** by fieserWolf
usage: snaprip.py [-h] snapshot output
```

This script parses C64 Vice snapshots and extracts koala or hires images, sprites, font and

positional arguments:

```
    snapshot    snapshot file
    output      output filename
```

optional arguments:

```
    -h, --help  show this help message and exit
```

Example: `./snaprip.py snapshot.vsf test`

Have a good look in /doc.

## Output file formats

### Koala image

offset	length	data
0	2	start address \$6000 (high, low)
2	8000	bitmap
8002	1000	screen

offset	length	data
9002	1000	colorram \$d800
10002	1	background color \$d021

## Hires image

offset	length	data
0	2	start address \$6000 (high, low)
2	8000	bitmap
8002	1000	screen
9002	1	border color \$d020

## PETSCII image standard ROM font

offset	length	data
0	2	start address \$3000 (high, low)
2	1000	screen
1002	1000	colorram \$d800
2002	1	background color \$d021
2003	1	border color \$d020

## PETSCII image with custom font

offset	length	data
0	2	start address \$3000 (high, low)
2	2048	font
2050	1000	screen
3050	1000	colorram \$d800
4050	1	background color \$d021
4051	1	border color \$d020

## Spriteset

offset	length	data
0	2	start address \$2000 (high, low)
2	64	sprite 1 + 1 byte \$00
66	64	sprite 2 + 1 byte \$00
130	64	sprite 3 + 1 byte \$00

offset	length	data
194	64	sprite 4 + 1 byte \$00
258	64	sprite 5 + 1 byte \$00
322	64	sprite 6 + 1 byte \$00
386	64	sprite 7 + 1 byte \$00
450	64	sprite 8 + 1 byte \$00

## Author

- fieserWolf/Abyss-Connection - *code* - <https://github.com/fieserWolf> <https://csdb.dk/scener/?id=3623>

## Getting Started

Clone the git-repository to your computer:

```
git clone https://github.com/fieserWolF/snaprip.git
```

Start the python script:

```
python3 snaprip.py --help
```

## Prerequisites

At least this is needed to run the script directly:

- python 3
- argparse

Normally, you would use pip like this:

```
pip3 install argparse
```

On my Debian GNU/Linux machine I use apt-get to install everything needed:

```
apt-get update
```

```
apt-get install python3 python3-argh
```

# Changelog

## Future plans

- maybe: implement other exports

Any help and support in any form is highly appreciated.

If you have a feature request, a bug report or if you want to offer help, please, contact me:

<http://csdb.dk/scener/?id=3623> or [wolf@abyss-connection.de](mailto:wolf@abyss-connection.de)

## Changes in 2.00

- complete re-write in python3

## Changes in 1.00

- initial release written in FreePascal

## License

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```
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```

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