abandi Documentation

Release 0.0.5

ponty

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CONTENTS

abandi

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PDF abandi.pdf

Contents:

Console-based abandonware game installer and runner.

Links:

- home: https://github.com/ponty/abandi
- documentation: http://ponty.github.com/abandi

Features:

- Games are serached on abandonware sites, downloaded over internet, unpacked and run by emulators
- **HTML parser backends:**
  - lxml
  - BeautifulSoup
- downloader backend: urllib
- unpacker backend: pyunpack
- **simulator backends:**
  - dosbox
  - openmsx
  - scummvm
  - stella
  - vice
- plugin system: yapsy

Known problems:

- Python 3 is not supported
- tested mostly on linux
- emulators are checked in program too often, which can be slow

CHAPTER

ONE

BASIC USAGE

The selected game will be downloaded, unpacked and started by an emulator.

if you know the id:

```
$ python -m abandi.run --auto-install gb64 3021
```

if you have an up-to-date database:

```
$ python -m abandi.srun --auto-install --name galaga
```

Note: It is only a wrapper,so you have to install unpackers (7zip, unrar,..) and emulators (dosbox, scummvm, stella, vice,..)

CHAPTER

TWO

INSTALLATION

2.1 General

- install Python
- install setuptools
- install backends for pyunpack (optional)
- install supported emulators (optional)
- install HTML parsers (optional)
- install the program:

```
# as root
easy_install https://github.com/ponty/abandi/zipball/master
```

2.2 Ubuntu

```
sudo apt-get install python-setuptools
sudo easy_install https://github.com/ponty/abandi/zipball/master
# optional
sudo easy_install http://sourceforge.net/projects/patool/files/0.13/patool-0.13.tar.gz/download
sudo apt-get install unzip unrar p7zip-full
sudo apt-get install dosbox openmsx scummvm stella vice
sudo apt-get install python-beautifulsoup python-lxml
```

2.3 Uninstall

first install pip:

```
    # as root
pip uninstall abandi

# database, games
rm -r ~/.abandi
```

CHAPTER

THREE

DEPENDENCIES

3.1 basic

python		
yapsy		plugin system

3.2 html parsers

lxml	optional	html parser
BeautifulSoup	optional	html parser

3.3 supported emulators

id	name	platforms	url
dosbox	DOSBox	[dos]	http://www.dosbox.com/
openmsx	openMSX	[msx]	http://openmsx.sourceforge.net/
scummvm	ScummVM	[dos, c64]	http://www.scummvm.org/
stella	Stella	[atari2k6]	http://stella.sourceforge.net/
vice	VICE	[c64]	http://www.viceteam.org/

CHAPTER

FOUR

GAME SOURCES

id	name	platforms	url	max id
abandoneer	Abandoneer	[dos]	http://www.abandoneer.com/	150
abandonia	Abandonia	[dos, win]	http://www.abandonia.com/	1000
gb64	Gamebase 64	[c64]	http://www.gamebase64.com/	22000
oscomp	Oldschool Computer	[dos, c64, c128, cplus4, msx, megadrive, mastersystem, gb, atari2k6, nes, snes, amiga]	http://oscomp.hu/	1230
osd	Old School DOS	[dos]	http://www.oldschooldos.com/	121

CHAPTER

FIVE

USAGE

5.1 update

update some games in database from gamebase64

```
$ python -m abandi.update gb64 3020-3023 --force
force updating gb64/3020... found:"Galaga"... OK
force updating gb64/3021... sleeping 2 sec... found:"Galaga"... OK
force updating gb64/3022... sleeping 2 sec... found:"Galaxia 7"... OK
force updating gb64/3023... sleeping 2 sec... found:"Galaxian"... OK
```

or download the default game database:

```
$ python -m abandi.dbdownload
```

5.2 install

install galaga

```
$ python -m abandi.install gb64 3020
downloading Galaga... OK
unpacking Galaga... OK
```

5.3 check database

```
$ python -m abandi.info gb64 3020
source:              gb64
id:                  3020
name:                Galaga
platform:            c64
game_file_url:       http://gamebase64.hardabasht.com/games/g/GALAGA1_03020_02.zip
release_year:        None
genre:               Shoot'em Up - Space Invaders
programmer:          Henrik Wening
language:            English
musician:            None
publisher:           Henrik Wening
home_url:            http://www.gamebase64.com/game.php?id=3020
music_file_url:      None
```

```
screenshot_url_list: http://www.gb64.com/Screenshots/G/Galaga_v1.png|http://www.gb64.com/Screenshots/
zip:                 /home/titi/.abandi/cache/gamezip/gb64/http___gamebase64.hardabasht.com_games_g_
dir:                 /home/titi/.abandi/games/gb64/Galaga.3020
```

5.4 search database

```
$ python -m abandi.search -n galaga
[gb64 3020 c64] Galaga
[gb64 3021 c64] Galaga
```

5.5 run game

run galaga by id:

```
$ python -m abandi.run -a gb64 3020
```

run galaga by name:

```
$ python -m abandi.srun -a --name galaga
```

run maniac mansion using vice:

```
$ python -m abandi.run -a gb64 4577 --runner vice
```

run maniac mansion using scummvm:

```
$ python -m abandi.run -a gb64 4577 --runner scummvm
```

CHAPTER

SIX

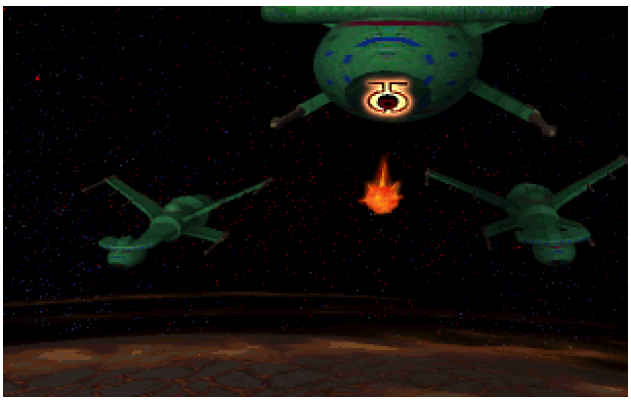
EXAMPLES

Master of magic:

```
$ python -m abandi.srun -n "Master of magic" -p dos -a
```

Master of Orion:

```
$ python -m abandi.srun -n "Master of Orion" -p dos -a
```

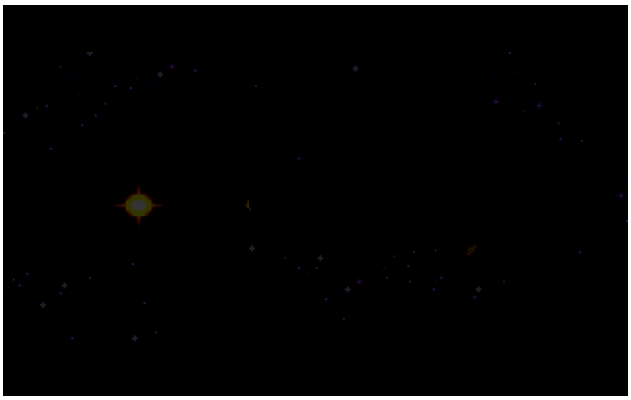


Beneath a Steel Sky:

```
$ python -m abandi.srun -n "steel sky" -a -r scummvm
```

Dune:

```
$ python -m abandi.srun -n "dune" -p dos -a
```



CHAPTER

SEVEN

COMMAND LINE HELP

7.1 dbdownload

```
$ python -m abandi.dbdownload --help
usage: dbdownload.py [-h] [-u URL] [--debug]

downloads and unpacks game database

optional arguments:
  -h, --help         show this help message and exit
  -u URL, --url URL  packed sqlite file
  --debug            set logging level to DEBUG
```

7.2 parse

```
$ python -m abandi.parse --help
usage: parse.py [-h] [--debug] source id

parse game on source and print all information

positional arguments:
  source      ['gb64',..]
  id          ['1',..]

optional arguments:
  -h, --help  show this help message and exit
  --debug     set logging level to DEBUG
```

7.3 update

```
$ python -m abandi.update --help
usage: update.py [-h] [-f] [--debug] source id

parse and update game in database

positional arguments:
  source       ['all','gb64',..]
  id           ['all','1','1-5','1,5-8,10',..]
```

```
optional arguments:
  -h, --help   show this help message and exit
  -f, --force
  --debug      set logging level to DEBUG
```

7.4 info

```
$ python -m abandi.info --help
usage: info.py [-h] [--debug] source id

print all information for game in database

positional arguments:
  source      ['gb64',..]
  id          ['1',..]

optional arguments:
  -h, --help  show this help message and exit
  --debug     set logging level to DEBUG
```

7.5 search

```
$ python -m abandi.search --help
usage: search.py [-h] [-c COL_FORMAT] [-w WHERE] [-o ORDERBY] [-n NAME]
                 [-p PLATFORM] [-s SOURCE] [-r RUNNER] [--debug]

search in game database

optional arguments:
  -h, --help            show this help message and exit
  -c COL_FORMAT, --col-format COL_FORMAT
  -w WHERE, --where WHERE
                        SQL where, e.g. "id>5 and name like falcon"
  -o ORDERBY, --orderby ORDERBY
  -n NAME, --name NAME  game name like this
  -p PLATFORM, --platform PLATFORM
                        check lsplatform for list
  -s SOURCE, --source SOURCE
                        check lsplugin for list
  -r RUNNER, --runner RUNNER
  --debug               set logging level to DEBUG
```

7.6 install

```
$ python -m abandi.install --help
usage: install.py [-h] [-d] [-u] [-r] [-n] [--debug] source id

download and unpack game found in database

positional arguments:
```

```
  source              ['gb64',..]
  id                  ['1',..]

optional arguments:
  -h, --help          show this help message and exit
  -d, --downloadonly
  -u, --unpackonly
  -r, --removezip
  -n, --nocache
  --debug             set logging level to DEBUG
```

7.7 run

```
$ python -m abandi.run --help
usage: run.py [-h] [-r RUNNER] [-a] [--debug] source id

start game using selected emulator

positional arguments:
  source                ['gb64',..]
  id                    ['1',..]

optional arguments:
  -h, --help            show this help message and exit
  -r RUNNER, --runner RUNNER
                        emulator ['auto','dosbox','scummvm',..]
  -a, --auto-install
  --debug               set logging level to DEBUG
```

7.8 srun

```
$ python -m abandi.srun --help
usage: srun.py [-h] [-c COL_FORMAT] [-w WHERE] [-o ORDERBY] [-n NAME]
               [-p PLATFORM] [-s SOURCE] [-r RUNNER] [-a] [-i INDEX] [--debug]

search and run

optional arguments:
  -h, --help            show this help message and exit
  -c COL_FORMAT, --col-format COL_FORMAT
  -w WHERE, --where WHERE
  -o ORDERBY, --orderby ORDERBY
  -n NAME, --name NAME
  -p PLATFORM, --platform PLATFORM
  -s SOURCE, --source SOURCE
  -r RUNNER, --runner RUNNER
  -a, --auto-install
  -i INDEX, --index INDEX
  --debug               set logging level to DEBUG
```

CHAPTER

EIGHT

SYSTEM INFORMATION

8.1 versions

```
$ python -m abandi.lsversion
python                  2.6.6
abandi                  0.0.5
dosbox                 0.74
openmsx                 0.8.0
scummvm                 1.2.1
soup                3.1.0.1
stella                3.1.2
vice                unknown
```

8.2 plugins

```
$ python -m abandi.lsplugin
abandoneer                 game_source
abandonia                 game_source
cache                  downloader
curl                 downloader
dosbox                   runner
gb64                 game_source
lxml                 html_parser
openmsx                    runner
oscomp                 game_source
osd                game_source
scummvm                 runner
soup                 html_parser
stella                   runner
urllib                   downloader
vice                 runner
```

CHAPTER

NINE

RELATED PROJECTS

- GameBase: Universal Emulator Frontend (http://www.bu22.com/)
- jGameBase: Java port of GameBase (http://sourceforge.net/projects/jgamebase/)
- Kamefu: the emulator frontend and collection manager for KDE
- Frontends for DOSBox : (http://www.dosbox.com/wiki/DOSBoxFrontends)
- Packaged games: http://dosboxed-games.sandbox.cz

CHAPTER

TEN

DEVELOPMENT

10.1 Tools

1. setuptools
2. Paver
3. nose
4. ghp-import
5. pyflakes
6. pychecker
7. paved fork
8. Sphinx
9. sphinxcontrib-programscreenshot
10. sphinxcontrib-paverutils
11. `autorun` from sphinx-contrib (there is no simple method, you have to download/unpack/setup)

10.2 Install on ubuntu

```
sudo apt-get install python-setuptools
sudo apt-get install python-paver
sudo apt-get install python-nose
sudo easy_install ghp-import
sudo apt-get install pyflakes
sudo apt-get install pychecker
sudo easy_install https://github.com/ponty/paved/zipball/master
sudo apt-get install scrot
sudo apt-get install xvfb
sudo apt-get install xserver-xephyr
sudo apt-get install python-imaging
sudo apt-get install python-sphinx
sudo easy_install sphinxcontrib-programscreenshot
sudo easy_install sphinxcontrib-programoutput
sudo easy_install sphinxcontrib-paverutils
```

10.3 Tasks

Paver is used for task management, settings are saved in pavement.py. Sphinx is used to generate documentation.

print paver settings:

```
paver printoptions
```

clean generated files:

```
paver clean
```

generate documentation under *docs/_build/html*:

```
paver cog pdf html
```

upload documentation to github:

```
paver ghpages
```

run unit tests:

```
paver nose
#or
nosetests --verbose
```

check python code:

```
paver pyflakes
paver pychecker
```

generate python distribution:

```
paver sdist
```

upload python distribution to PyPI:

```
paver upload
```

CHAPTER

ELEVEN

INDICES AND TABLES

- *genindex*
- *modindex*
- *search*