

Usage of: batocera-settings

Introduction

batocera-settings is a commandline tool that can work with regular config files and read/write/change it's content. There are keys and values stored in a file like `/userdata/system/batocera.conf`.

- It's recommended to use **## This is a text comment** for text comments
- It's recommended to use **#enable.godmode=hallelujah** for commenting values
- It's recommended to describe content and functions in text form
- It's recommended to add content in sections
- It's recommended to use the form **key.description=value**

Down here is a small excerpt of a config file

```
# ----- B - Network ----- #
## Set system hostname
system.hostname=BATOCERA
## Activate wifi (0,1)
wifi.enabled=0
## Wifi SSID (string)
#wifi.ssid=new ssid
## Wifi KEY (string)
## after rebooting the batocera.linux, the "new key" is replace by a hidden
value "enc:xxxxx"
## you can edit the "enc:xxxxx" value to replace by a clear value, it will
be updated again at the following reboot
## Escape your special chars (# ; $) with a backslash : $ => \$
#wifi.key=new key
```

Recommended commands and expressions


batocera-setting is utilized by parameters parsed. These parameters can be used in the long and in the short format. It's a relict of RecalBox times thus the expression `python batoceraSetting.py -command load -key user.key` is used till today but arguments are now parsed to batocera-settings.


As batocera-settings is more modern and supports read/write/change of value let's see how the command line works:

- BATOCERA Basic usage
 - `batocera-settings -r [key]` read key from `batocera.conf`
 - `batocera-settings -w [key] -v [value]` write value `key=value` to `batocera.conf`
 - `batocera-settings -f [file] -r[key]` read value `key` from `file`
- BATCOERA Extended usage
 - `batocera-settings -e -r [key] -s [system]` iterate keys `system.key` and if

- not available use `global.key`
- `batocera-settings -e -r [key] -s [system] -g [game]` iterate keys like above, but start with `system["game"].key`






Basic usage: `batocera-settings -f [file] -r [key] -w [key] -v [value]`
Extended usage: `batocera-settings -e -g [game] -s [system] -r [key]`


 **-f** - Loads any config file, default `'/userdata/system/batocera.conf'`
-r - Read 'key' and returns value from config file
-w - Write 'key' to config file, mandatory parameter -v
-v - Set value to selected 'key', any alphanumeric value
-e - Activate extended mode, needed for parsing game/system specific keys
-g - Any alphanumeric string for game, set quotes to avoid globbing
-s - Any alphanumeric string for system

 If `-e` is not set the parameters `-g` and `-s` are ignored!
 Value `-w` needs an additional valid entry for `-v`!
 Use `-w` together with `-e` to create system/game keys!
 Use the errorlevels for scripts!
 Always use quotes if you use arguments containing blanks!

Error code handling

Whenever `batocera-settings` was called you will receive an exit code number. This will help to identify errors - moreover for debugging you can use the **status** command to held usefull output.

| File and Key/Values error | | |
|---------------------------|---|--|
| Error Code | Error code explanation | Troubleshooting |
| EC 0 | No Error, value found |  You made it! |
| EC 1 | General error, e.g. command line error |  Check your command line for correct parameters |
| EC 2 | File error, e.g. the config file is not available |  Check file path and r/w access to it |
| EC 10 | Value error, key found but value is empty |  Unusual setup but no error at all |
| EC 11 | Value error, key found but it is commented out |  Activate the key entry by uncomment command |

| | | |
|-------|---------------|--|
| EC 12 | Key not found |  Add the key by manual or check your command line for typos |
|-------|---------------|--|

Handling in scripts

I present here some short scripts, to show you how to make batocera-settings work in your script. As I'm more confident in shell scripting I give you just some small examples in shell script.

1. bash: Obtain value
2. bash: Activate UART in /boot/config.txt
3. bash: Set a new key
4. python: Obtain a value

USE AT YOUR OWN RISK



1. bash: Obtain a value

[obtain_value.sh](#)

```
#!/bin/bash
#This is an example file how batocera-settings can be utilized
#to read a value out from /userdata/system/batocera.conf

value="$(batocera-settings -r power.switch.device)"
ret=$?
if [[ $ret -eq 0 ]]; then
    echo "Power Switch detected: '$value'"
else
    echo "No Power Switch detected!"
fi
```

2. bash: Activate UART in "/boot/config.txt"

[activate_uart.sh](#)

```
#!/bin/bash
#This is an example file how batocera-settings can be utilized
#to activate UART in /boot/config.txt

batocera-settings /boot/config.txt -w enable_uart -v 1
ret=$?
if [[ $ret -eq 0 ]]; then
    echo "UART activated, uncommented enable_uart"
elif [[ $ret -eq 2 ]]; then
```

```
echo "File is write protected!"
echo "I make boot-partition writeable"
mount -o remount, rw /boot
echo "Please restart script"
else
echo "Key: enable_uart not found"
echo "Not a Raspberry System?"
fi
```

3. bash: Set a new key

[activate_uart.sh](#)

```
#!/bin/bash
#This is an example file how batocera-settings can be utilized
#to set a new key in /userdata/system/batocera.conf

value=$(batocera-settings -w core.PS4.emulator -v SONY4EVER
ret=$?
if [[ $ret -eq 0 ]]; then
echo "PS4 core enabled!"
else
echo "Another error occoured!"
fi
```

4. python: Obtain a key



[obtain_value.py](#)

```
#!/usr/bin/python
# -*- coding: utf-8 -*-
#This is an example file how batocera-settings can be utilized
#to read a value out from /userdata/system/batocera.conf with python

import subprocess

value = (subprocess.check_output(['batocera-settings', '-r',
'power.switch.device']))
if value:
    print "Power Switch Detected: ", value
else:
```

```
print "No power switch detected!"
```

From:

<https://wiki.batocera.org/> - **Batocera.linux** - **Wiki**

Permanent link:

https://wiki.batocera.org/usage_of_batocera-settings?rev=1607453595

Last update: **2020/12/08 18:53**

