

python3 freebox_059_draft.py -h

usage: freebox_059_draft.py [-h] [-s] [-r] [-n app_name] [-i app_id]
[-d device_name] [-f format] [-e endpoint] [-S]
[-P] [-H] [-D] [-L] [-W] [-I] [-X]

optional arguments:

-h, --help show this help message and exit
-s, --register-status
Get register status
-r, --register Register app with Freebox API
-n app_name, --appname app_name
Register with app_name
-i app_id, --appid app_id
Register with app_id
-d device_name, --devicename device_name
Register with device_name
-f format, --format format
Specify output format between graphite and influxdb
-e endpoint, --endpoint endpoint
Specify endpoint name or address
-S, --status-switch Get and show switch status
-P, --status-ports Get and show switch ports stats
-H, --status-sys Get and show system status
-D, --internal-disk-usage
Get and show internal disk usage
-L, --lan-config Get and show LAN config
-W, --wifi-usage Get and show wifi usage
-I, --lan-interfaces Get and show lan interfaces
-X, --interfaces-hosts
Get and show interfaces hosts
root@fbx_telegraf:/usr/local/py#

Telegraf

```
#####  
#           INPUT PLUGINS FREEBOX           #  
#####
```

```
# Read metrics from one or more commands that can output to stdout
```

```
[[inputs.exec]]
```

```
  ## Commands array
```

```
  #
```

```
# API freebox OS V8
```

```
  commands = [
```

```
    "python3 /usr/local/py/freebox_059_draft.py -WXDHSP"
```

```
  ]
```

```
  ## Timeout for each command to complete.
```

```
  # timeout = "5s"
```

```
  # timeout = "8s"
```

```
  ## Data format to consume.
```

```
  ## Each data format has it's own unique set of configuration options, read
```

```
  ## more about them here:
```

```
  ## https://github.com/influxdata/telegraf/blob/master/docs/DATA\_FORMATS\_INPUT.md
```

```
  # data_format = "graphite"
```

```
  data_format = "influx"
```

commun

Device	EndPoint	tag1	tag2	tag3	Idvalue	Value
freebox	mafreebox.freebox.fr	python	version	NULL	version_script	0.5.9 2020/10/02
freebox	mafreebox.freebox.fr	python	fichier	NULL	nom_fichier	freebox_059.py
freebox	mafreebox.freebox.fr	python	derniere-modification	NULL	last_updated	Fri Oct 2 09:34:34 2020
freebox	mafreebox.freebox.fr	box	down	NULL	bytes	1,30265E+11
freebox	mafreebox.freebox.fr	box	down	NULL	rate	221
freebox	mafreebox.freebox.fr	box	down	NULL	bandwidth	1000000000
freebox	mafreebox.freebox.fr	box	up	NULL	bytes	22311228699
freebox	mafreebox.freebox.fr	box	up	NULL	rate	154
freebox	mafreebox.freebox.fr	box	up	NULL	bandwidth	700000000
freebox	mafreebox.freebox.fr	box	NULL	NULL	media	ftth
freebox	mafreebox.freebox.fr	box	NULL	NULL	ipv4	xxxxxxxxxxxxx
freebox	mafreebox.freebox.fr	box	NULL	NULL	ipv6	xxxxxxxxxxxxx
freebox	mafreebox.freebox.fr	box	ip_port_range	NULL	ipv4_port_range_low	0
freebox	mafreebox.freebox.fr	box	ip_port_range	NULL	ipv4_port_range_up	65535
freebox	mafreebox.freebox.fr	box	state	NULL	cnx_state	up
freebox	mafreebox.freebox.fr	box	signal	NULL	sfp_has_signal	VRAI

Device	EndPoint	tag1	tag2	tag3	Idvalue	Value
freebox	mafreebox.freebox.fr	Disque	dd-1	NULL	idle_duration	0
freebox	mafreebox.freebox.fr	Disque	dd-1	NULL	read_error_requests	0
freebox	mafreebox.freebox.fr	Disque	dd-1	NULL	read_requests	204091
freebox	mafreebox.freebox.fr	Disque	dd-1	NULL	spinning	VRAI
freebox	mafreebox.freebox.fr	Disque	dd-1	NULL	table_type	msdos
freebox	mafreebox.freebox.fr	Disque	dd-1	NULL	firmware	GGEOAC90
freebox	mafreebox.freebox.fr	Disque	dd-1	NULL	type	internal
freebox	mafreebox.freebox.fr	Disque	dd-1	NULL	idle	FAUX
freebox	mafreebox.freebox.fr	Disque	dd-1	NULL	connector	0
freebox	mafreebox.freebox.fr	Disque	dd-1	NULL	dd_id	0
freebox	mafreebox.freebox.fr	Disque	dd-1	NULL	write_error_requests	0
freebox	mafreebox.freebox.fr	Disque	dd-1	NULL	state	enabled
freebox	mafreebox.freebox.fr	Disque	dd-1	NULL	write_requests	5611869
freebox	mafreebox.freebox.fr	Disque	dd-1	NULL	total_bytes	2,5005E+11
freebox	mafreebox.freebox.fr	Disque	dd-1	NULL	model	HGST HCC545025A7E380
freebox	mafreebox.freebox.fr	Disque	dd-1	NULL	active_duration	2
freebox	mafreebox.freebox.fr	Disque	dd-1	NULL	temp	36
freebox	mafreebox.freebox.fr	Disque	dd-1	NULL	serial	L402M4EP
freebox	mafreebox.freebox.fr	Disque	dd-1	Part-1	partition#	1
freebox	mafreebox.freebox.fr	Disque	dd-1	Part-1	fstype	ext4
freebox	mafreebox.freebox.fr	Disque	dd-1	Part-1	disk_id	0
freebox	mafreebox.freebox.fr	Disque	dd-1	Part-1	total_bytes	2,4495E+11
freebox	mafreebox.freebox.fr	Disque	dd-1	Part-1	free_bytes	2,1291E+11
freebox	mafreebox.freebox.fr	Disque	dd-1	Part-1	used_bytes	19570000000
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	idle_duration	0
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	read_error_requests	0
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	read_requests	0
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	spinning	FAUX
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	table_type	msdos
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	firmware	
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	type	usb
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	idle	FAUX

Device	EndPoint	tag1	tag2	tag3	Idvalue	Value
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	connector	0
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	dd_id	3000
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	write_error_requests	0
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	state	enabled
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	write_requests	0
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	total_bytes	3,6418E+11
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	model	
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	active_duration	0
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	temp	0
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	serial	
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	partition#	1
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	fstype	ntfs
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	disk_id	3000
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	free_bytes	1,1395E+11
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-1	used_bytes	2,5023E+11
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-2	partition#	2
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-2	fstype	unknown
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-2	disk_id	3000
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-2	total_bytes	0
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-2	free_bytes	0
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-2	used_bytes	0
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-3	partition#	3
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-3	fstype	ntfs
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-3	disk_id	3000
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-3	total_bytes	21520000000
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-3	free_bytes	21370000000
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-3	used_bytes	148060000
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-4	partition#	4
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-4	fstype	ntfs
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-4	disk_id	3000
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-4	total_bytes	6,1449E+11
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-4	free_bytes	96400000000

-D

Device	EndPoint	tag1	tag2	tag3	Idvalue	Value
freebox	mafreebox.freebox.fr	Disque	dd-2	Part-4	used_bytes	5,1808E+11

Liste des disques et partitions, générées dynamiquement

Device	EndPoint	tag1	tag2	tag3	Idvalue	Value
freebox	mafreebox.freebox.fr	System	NULL	NULL	sys_uptime_val	1471766
freebox	mafreebox.freebox.fr	System	NULL	NULL	uptime	17 jours 49 minutes 26 secondes
freebox	mafreebox.freebox.fr	System	NULL	NULL	firmware_version	4.2.5
freebox	mafreebox.freebox.fr	System	NULL	NULL	board_name	fbxgw2r
freebox	mafreebox.freebox.fr	System	NULL	NULL	disk_status	active
freebox	mafreebox.freebox.fr	System	NULL	NULL	user_main_storage	Disque dur
freebox	mafreebox.freebox.fr	System	NULL	NULL	has_ext_telephony	VRAI
freebox	mafreebox.freebox.fr	System	NULL	NULL	has_speakers_jack	VRAI
freebox	mafreebox.freebox.fr	System	NULL	NULL	wifi_type	2d4_5g
freebox	mafreebox.freebox.fr	System	NULL	NULL	pretty_name	Freebox Server (r2)
freebox	mafreebox.freebox.fr	System	NULL	NULL	customer_hdd_slots	0
freebox	mafreebox.freebox.fr	System	NULL	NULL	name	fbxgw-r2/full
freebox	mafreebox.freebox.fr	System	NULL	NULL	has_speakers	VRAI
freebox	mafreebox.freebox.fr	System	NULL	NULL	internal_hdd_size	250
freebox	mafreebox.freebox.fr	System	NULL	NULL	has_femtocell_exp	VRAI
freebox	mafreebox.freebox.fr	System	NULL	NULL	has_internal_hdd	VRAI
freebox	mafreebox.freebox.fr	System	NULL	NULL	has_dect	VRAI
freebox	mafreebox.freebox.fr	System	Fan	NULL	id	fan0_speed
freebox	mafreebox.freebox.fr	System	Fan	NULL	name	Ventilateur 1
freebox	mafreebox.freebox.fr	System	Fan	NULL	value	2422
freebox	mafreebox.freebox.fr	System	Sensor	temp_hdd	id	temp_hdd
freebox	mafreebox.freebox.fr	System	Sensor	temp_hdd	name	Disque dur
freebox	mafreebox.freebox.fr	System	Sensor	temp_hdd	value	36
freebox	mafreebox.freebox.fr	System	Sensor	temp_sw	id	temp_sw
freebox	mafreebox.freebox.fr	System	Sensor	temp_sw	name	Temperature Switch
freebox	mafreebox.freebox.fr	System	Sensor	temp_sw	value	48
freebox	mafreebox.freebox.fr	System	Sensor	temp_cpum	id	temp_cpum
freebox	mafreebox.freebox.fr	System	Sensor	temp_cpum	name	Temperature CPU M
freebox	mafreebox.freebox.fr	System	Sensor	temp_cpum	value	58
freebox	mafreebox.freebox.fr	System	Sensor	temp_cpub	id	temp_cpub
freebox	mafreebox.freebox.fr	System	Sensor	temp_cpub	name	Temperature CPU B
freebox	mafreebox.freebox.fr	System	Sensor	temp_cpub	value	53

Device	EndPoint	tag1	tag2	tag3	Idvalue	Value
freebox	mafreebox.freebox.fr	Interfaces	if#0	NULL	name	pub
freebox	mafreebox.freebox.fr	Interfaces	if#0	NULL	host_count	123
freebox	mafreebox.freebox.fr	Interfaces	if#1	NULL	name	wifiguest
freebox	mafreebox.freebox.fr	Interfaces	if#1	NULL	host_count	0

Liste des interfaces, generée dynamiquement

-L

Device	EndPoint	tag1	tag2	tag3	Idvalue	Value
freebox	mafreebox.freebox.fr	Lan-Config	NULL	NULL	lan_mode	router
freebox	mafreebox.freebox.fr	Lan-Config	NULL	NULL	lan_ip	192.168.1.1
freebox	mafreebox.freebox.fr	Lan-Config	NULL	NULL	lan_name	Freebox Server
freebox	mafreebox.freebox.fr	Lan-Config	NULL	NULL	lan_name_dns	freebox-server
freebox	mafreebox.freebox.fr	Lan-Config	NULL	NULL	lan_name_mdns	Freebox-Server
freebox	mafreebox.freebox.fr	Lan-Config	NULL	NULL	lan_name_netbios	Freebox_Server

Device	EndPoint	tag1	tag2	tag3	Idvalue	Value
freebox	mafreebox.freebox.fr	Port#3	Rx	NULL	bytes_rate	1684
freebox	mafreebox.freebox.fr	Port#3	Tx	NULL	bytes_rate	2861
freebox	mafreebox.freebox.fr	Port#3	Tx	NULL	bytes	32242202635
freebox	mafreebox.freebox.fr	Port#1	Rx	NULL	bytes_rate	0
freebox	mafreebox.freebox.fr	Port#1	Tx	NULL	bytes_rate	0
freebox	mafreebox.freebox.fr	Port#1	Tx	NULL	bytes	0
freebox	mafreebox.freebox.fr	Port#2	Rx	NULL	bytes_rate	0
freebox	mafreebox.freebox.fr	Port#2	Tx	NULL	bytes_rate	556
freebox	mafreebox.freebox.fr	Port#2	Tx	NULL	bytes	1,79674E+11
freebox	mafreebox.freebox.fr	Port#4	Rx	NULL	bytes_rate	358
freebox	mafreebox.freebox.fr	Port#4	Tx	NULL	bytes_rate	496
freebox	mafreebox.freebox.fr	Port#4	Tx	NULL	bytes	18173733410

liste des ports du switch, générée dynamiquement

Device	EndPoint	tag1	tag2	tag3	Idvalue	Value
freebox	mafreebox.freebox.fr	Switch	link#3	NULL	Etat	1
freebox	mafreebox.freebox.fr	Switch	link#3	NULL	mode	3
freebox	mafreebox.freebox.fr	Switch	link#1	NULL	Etat	0
freebox	mafreebox.freebox.fr	Switch	link#1	NULL	mode	1
freebox	mafreebox.freebox.fr	Switch	link#2	NULL	Etat	1
freebox	mafreebox.freebox.fr	Switch	link#2	NULL	mode	3
freebox	mafreebox.freebox.fr	Switch	link#4	NULL	Etat	1
freebox	mafreebox.freebox.fr	Switch	link#4	NULL	mode	3

liste des ports du switch, générée dynamiquement (Etat / mode)

Device	EndPoint	tag1	tag2	tag3	Idvalue	Value
freebox	mafreebox.freebox.fr	wifi_list	24G	0C:8F:FF:XX:XX:XX	primary_name	xxxxxxxxxxxxx
freebox	mafreebox.freebox.fr	wifi_list	24G	0C:8F:FF:XX:XX:XX	host_type	smartphone
freebox	mafreebox.freebox.fr	wifi_list	24G	0C:8F:FF:XX:XX:XX	interface	pub
freebox	mafreebox.freebox.fr	wifi_list	24G	0C:8F:FF:XX:XX:XX	addripv4	192.168.1.126
freebox	mafreebox.freebox.fr	wifi_list	24G	0C:8F:FF:XX:XX:XX	reachable	VRAI
freebox	mafreebox.freebox.fr	wifi_list	24G	0C:8F:FF:XX:XX:XX	active	VRAI
freebox	mafreebox.freebox.fr	wifi_list	24G	0C:8F:FF:XX:XX:XX	rx_bytes	14770000
freebox	mafreebox.freebox.fr	wifi_list	24G	0C:8F:FF:XX:XX:XX	rx_rate	0
freebox	mafreebox.freebox.fr	wifi_list	24G	0C:8F:FF:XX:XX:XX	tx_bytes	59960000
freebox	mafreebox.freebox.fr	wifi_list	24G	0C:8F:FF:XX:XX:XX	tx_rate	0
freebox	mafreebox.freebox.fr	wifi_list	24G	0C:8F:FF:XX:XX:XX	last_activity_date	Tue Sep 29 08:44:21 2020
freebox	mafreebox.freebox.fr	wifi_list	24G	0C:8F:FF:XX:XX:XX	AP_ref	0
freebox	mafreebox.freebox.fr	wifi_list	5G	44:6D:6C:XX:XX:XX	primary_name	xxxxxxxxxxxxx
freebox	mafreebox.freebox.fr	wifi_list	5G	44:6D:6C:XX:XX:XX	host_type	tablet
freebox	mafreebox.freebox.fr	wifi_list	5G	44:6D:6C:XX:XX:XX	interface	pub
freebox	mafreebox.freebox.fr	wifi_list	5G	44:6D:6C:XX:XX:XX	addripv4	192.168.1.208
freebox	mafreebox.freebox.fr	wifi_list	5G	44:6D:6C:XX:XX:XX	reachable	VRAI
freebox	mafreebox.freebox.fr	wifi_list	5G	44:6D:6C:XX:XX:XX	active	VRAI
freebox	mafreebox.freebox.fr	wifi_list	5G	44:6D:6C:XX:XX:XX	rx_bytes	4770000
freebox	mafreebox.freebox.fr	wifi_list	5G	44:6D:6C:XX:XX:XX	rx_rate	4
freebox	mafreebox.freebox.fr	wifi_list	5G	44:6D:6C:XX:XX:XX	tx_bytes	16590000
freebox	mafreebox.freebox.fr	wifi_list	5G	44:6D:6C:XX:XX:XX	tx_rate	0
freebox	mafreebox.freebox.fr	wifi_list	5G	44:6D:6C:XX:XX:XX	last_activity_date	Tue Sep 29 08:44:00 2020
freebox	mafreebox.freebox.fr	wifi_list	5G	44:6D:6C:XX:XX:XX	AP_ref	1

liste des équipements sur les différentes interfaces wifi (tag2)

Device	EndPoint	tag1	tag2	tag3	Idvalue	Value
freebox	mafreebox.freebox.fr	hosts_list	pub	D8:50:E6:XX:XX:XX	addr	192.168.1.45
freebox	mafreebox.freebox.fr	hosts_list	pub	D8:50:E6:XX:XX:XX	last_activity	Thu May 7 12:15:49 2020
freebox	mafreebox.freebox.fr	hosts_list	pub	D8:50:E6:XX:XX:XX	primary_name	xxxxxxxxxxxxxx
freebox	mafreebox.freebox.fr	hosts_list	pub	D8:50:E6:XX:XX:XX	host_type	workstation
freebox	mafreebox.freebox.fr	hosts_list	pub	D8:50:E6:XX:XX:XX	active	VRAI
freebox	mafreebox.freebox.fr	hosts_list	pub	0C:8F:FF:XX:XX:XX	addr	192.168.1.126
freebox	mafreebox.freebox.fr	hosts_list	pub	0C:8F:FF:XX:XX:XX	last_activity	Tue Sep 29 08:44:21 2020
freebox	mafreebox.freebox.fr	hosts_list	pub	0C:8F:FF:XX:XX:XX	primary_name	xxxxxxxxxxxxxx
freebox	mafreebox.freebox.fr	hosts_list	pub	0C:8F:FF:XX:XX:XX	host_type	smartphone
freebox	mafreebox.freebox.fr	hosts_list	pub	0C:8F:FF:XX:XX:XX	active	VRAI
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	addr	192.168.1.121
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	addr	192.168.1.183
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	last_activity	Tue Sep 29 08:44:28 2020
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	primary_name	xxxxxxxxxxxxxx
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	host_type	other
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	active	VRAI
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	addr	192.168.1.124
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	last_activity	Tue Sep 29 08:44:08 2020
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	primary_name	xxxxxxxxxxxxxx
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	host_type	freebox_player
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	active	VRAI
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	addr	192.168.1.116
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	last_activity	Mon Sep 28 19:47:39 2020
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	primary_name	xxxxxxxxxxxxxx
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	host_type	workstation
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	active	FAUX
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	addr	192.168.1.241
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	last_activity	Sun Jun 7 17:55:29 2020
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	primary_name	xxxxxxxxxxxxxx
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	host_type	workstation
freebox	mafreebox.freebox.fr	hosts_list	pub	xxxxxxxxxxxxxx	active	FAUX

liste de l'ensemble des hosts, avec réseau d'appartenance (pub/wifiguest) et adresses IP