
wakeonlan

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Contents

1	wakeonlan	1
1.1	Usage	1
1.2	Dependencies	2
1.3	License	2
2	Python api docs	3
	Python Module Index	5
	Index	7

A small python module for wake on lan.

For more information on the wake on lan protocol please take a look at [Wikipedia](#).

1.1 Usage

To wake up a computer using wake on lan it must first be enabled in the BIOS settings. Please note the computer you are trying to power on does not have an ip address, but it does have a mac address. The package needs to be sent as a broadcast package.

1.1.1 As a python module

Import the module

```
>>> from wakeonlan import send_magic_packet
```

Wake up a single computer by its mac address

```
>>> send_magic_packet('ff.ff.ff.ff.ff.ff')
```

Wake up multiple computers by their mac addresses.

```
>>> send_magic_packet('ff.ff.ff.ff.ff.ff', '00-00-00-00-00-00',
...                   'FFFFFFFFFFFFFF')
```

An external host may be specified. Do note that port forwarding on that host is required. The default ip address is 255.255.255.255 and the default port is 9.

```
>>> send_magic_packet('ff.ff.ff.ff.ff.ff',
...                   ip_address='example.com',
...                   port=1337)
```

1.1.2 As a standalone script

```
usage: wakeonlan [-h] [-i ip] [-p port] mac address [mac address ...]
```

Wake one **or** more computers using the wake on lan protocol.

positional arguments:

mac address The mac addresses **or** of the computers you are trying to wake.

optional arguments:

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

-i ip The ip address of the host to send the magic packet to. (default 255.

↪255.255.255)

-p port The port of the host to send the magic packet to. (default 9)

1.2 Dependencies

- Python3.x

1.3 License

MIT

Small module for use with the wake on lan protocol.

`wakeonlan.create_magic_packet` (*macaddress: str*) → bytes
Create a magic packet.

A magic packet is a packet that can be used with the for wake on lan protocol to wake up a computer. The packet is constructed from the mac address given as a parameter.

Parameters `macaddress` – the mac address that should be parsed into a magic packet.

`wakeonlan.main` (*argv: List[str] = None*) → None
Run wake on lan as a CLI application.

`wakeonlan.send_magic_packet` (**macs, ip_address: str = '255.255.255.255', port: int = 9*) → None
Wake up computers having any of the given mac addresses.

Wake on lan must be enabled on the host device.

Parameters `macs` – One or more macaddresses of machines to wake.

Keyword Arguments

- `ip_address` – the ip address of the host to send the magic packet to.
- `port` – the port of the host to send the magic packet to.

W

wakeonlan, 3

C

`create_magic_packet()` (*in module wakeonlan*), 3

M

`main()` (*in module wakeonlan*), 3

S

`send_magic_packet()` (*in module wakeonlan*), 3

W

`wakeonlan` (*module*), 3