
wakeonlan

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WAKEONLAN

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 Installation

```
pip install wakeonlan
```

1.2 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.

1.2.1 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',  
...                   'FFFFFFFFFFFF')
```

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)
```

A network adapter may be specified. The magic packet will be routed through this interface.

```
>>> send_magic_packet('ff.ff.ff.ff.ff.ff',
...                   interface='192.168.0.2')
```

1.2.2 As a standalone script

```
usage: wakeonlan [-h] [-6] [-i IP] [-p PORT] [-n INTERFACE] mac address [mac address ...]
```

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

positional arguments:

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

options:

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

-6, --ipv6 To indicate **if** ipv6 should be used by default instead of ipv4. **↵**

↪ (default: **False**)

-i IP, --ip IP The ip address of the host to send the magic packet to. **↵**

↪ (default: 255.255.255.255)

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

-n INTERFACE, --interface INTERFACE

↪ through. (default: **None**)

1.3 Dependencies

- Python 3.x

1.4 License

MIT © Remco Haszing

PYTHON API DOCS

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) → None`

Run wake on lan as a CLI application.

`wakeonlan.send_magic_packet(*macs: str, ip_address: str = '255.255.255.255', port: int = 9, interface: str | None = None, address_family: AddressFamily | None = None) → 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.
- **interface** – the ip address of the network adapter to route the magic packet through.
- **address_family** – the address family of the ip address to initiate connection with. When not specified, chosen automatically between IPv4 and IPv6.

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