

OUILOOKUP

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1 Name

ouilookup - Tool to obtain vendor name / organizationally unique identifier (OUI) for MAC addresses

2 Synopsis

ouilookup [-h] [-f *FILE*] [--download] [--completion {bash,zsh,fish}] [--version] [--quiet] *MAC* [*MAC* ...]

3 Description

This program takes one or more MAC addresses and returns the Org Name. It uses information from <https://standards-oui.ieee.org/oui/oui.csv>.

3.1 Positional Arguments

MAC

the full MAC address or the OUI portion (first 6 hex digits). If providing multiple items, separate each MAC/OUI with a space. Within the MAC/OUI separating characters such as :, -, or . are allowed at any interval. Examples: 74:13:ea:9a:22:2e 28-EA-0B-6C-A9-E5 b4df.9181.7fb1e073e7-ec3802 080030

3.2 Option Flags

-h, --help

show this help message and exit

-f *FILE*, --file *FILE*

use a file with one MAC address per line.

--version, -v

show the version number and exit

--quiet, -q

suppress warning messages when MAC is not found to be valid

3.3 Download Ieee Oui File

--download, -d

download the IEEE OUI file `oui.csv` and save to `{HOME}/.local/share/ouilookup` on Linux or `{APPDATA}\ouilookup` on Windows as `oui.csv`. Also convert CSV to JSON and save as `oui.json`

3.4 Shell Completion Options

--completion {bash,zsh,fish}

print ouilookup shell completion to the terminal and exit

4 Examples

4.1 Example 1

Lookup the vendor name for a MAC address.

```
$ ouilookup 64:4e:d7:00:22:33
```

output:

```
64:4E:D7:00:22:33 644ED7 HP Inc.
```

4.2 Example 2

Look up the vendor name for the OUI portion of a MAC address.

```
$ ouilookup 000c29
```

output:

```
00:0C:29:00:00:00 000C29 VMware, Inc.
```

4.3 Example 3

Look up the vendor name for multiple MAC addresses and OUI portions of MAC addresses.

```
$ ouillookup 000c29 000001.112233 64:4e:d7:00:22:33 64-1B-2F-2A-CC-5E
```

output:

```
00:0C:29:00:00:00 000C29 VMware, Inc.  
00:00:01:11:22:33 000001 XEROX CORPORATION  
64:4E:D7:00:22:33 644ED7 HP Inc.  
64:1B:2F:2A:CC:5E 641B2F Samsung Electronics Co.,Ltd
```

4.4 Example 4

Use the file (-f) option to read MACs from a saved file.

```
ouillookup -f examples/macs.txt
```

output:

```
E8:0A:B9:00:C1:A2 E80AB9 Cisco Systems, Inc  
40:84:32:3D:42:B1 408432 Microchip Technology Inc.  
70:F8:AE:EF:22:A4 70F8AE Microsoft Corporation  
64:51:06:AA:BB:C8 645106 Hewlett Packard  
90:9B:6F:5B:F2:34 909B6F Apple, Inc.  
2C:AB:33:56:8A:62 2CAB33 Texas Instruments  
50:02:38:83:AA:2B 500238 Nokia Shanghai Bell Co., Ltd.  
44:49:88:E4:8B:33 444988 Intel Corporate  
E4:F2:7C:88:B1:20 E4F27C Juniper Networks
```

contents of examples/macs.txt

```
e80a.b900.c1a2  
40:84:32:3d:42:b1  
70-F8-AE-EF-22-A4  
645106-aabbc8  
90:9b:6f:5b:f2:34  
2C-AB-33-56-8a-62  
50023883aa2b  
44:49:88:E4:8B:33  
E4:F2:7C:88:B1:20
```