

README

This file explains how to use the maclookup script.

You must be root to execute the script. The script requires executable permissions to launch (`chmod a+x`).

The script will save output to file named `"/tmp/maclookup.json"`.

If the script fails, it will log errors to `"/tmp/maclookup.log"`. If an invalid MAC address is input, the online API will return an error code and the script will exit.

Any questions/support.....email: mario.balletta@gmail.com

The variables explained below are output in JSON file format.

<code>vendorDetails.oui</code>	Organization Unique Identifier
<code>vendorDetails.isPrivate</code>	For an extra fee to IEEE, vendors can hide their details. In this case, this flag is set to 'true' and <code>companyName</code> , <code>companyAddress</code> and <code>countryCode</code> are 'private' .
<code>vendorDetails.companyName</code>	Name of the company which registered the MAC addresses block.
<code>vendorDetails.companyAddress</code>	Company's full address.
<code>vendorDetails.countryCode</code>	Company's country code in ISO 3166 format.
<code>blockDetails.blockFound</code>	'false' when the MAC address does not belong to any of the registered MAC blocks. In this case, all other fields are set to 'unknown'
<code>blockDetails.borderLeft</code>	The left border of the range the MAC address belongs to.
<code>blockDetails.borderRight</code>	The right border of the range the MAC address belongs to.
<code>blockDetails.blockSize</code>	The total number of MAC addresses in this range.
<code>blockDetails.assignmentBlockSize</code>	Assignment block size, one of the following: <ul style="list-style-type: none">'MA-L' for MAC Address Block Large'MA-M' for MAC Address Block Medium'MA-S' for MAC Address Block Small

	'IAB' for Individual Address Block
blockDetails.dateCreated	Date when the range was allocated, in YYYY-MM-DD format. Is available for ranges registered after 27 June, 2018.
blockDetails.dateUpdated	Date when the range was last updated, in YYYY-MM-DD format. Is available for ranges registered after 27 June, 2018.
macAddressDetails.searchTerm	Echo your search term
macAddressDetails.isValid	'true' if the search term provided is a valid MAC address.
macAddressDetails.virtualMachine	Detect if the MAC address belongs to a Virtual Machine. It's a string field which could be ' Not detected ' or the name of the virtual machine detected, like ' VMWare '.
macAddressDetails.applications	Detect if a vendor or standard is using the MAC address. It's an array field which may contain a list of applications detected.
macAddressDetails.transmissionType	Transmission type, one of the following: 'multicast' 'unicast' 'broadcast'
macAddressDetails.administrationType	Administration type, one of the following: 'UAA' for Universally administered addresses 'LAA' for Locally administered addresses
macAddressDetails.wiresharkNotes	Extra details provided by Wireshark.
macAddressDetails.comment	The field which contains our research results regarding the MAC address or OUI.