

whoami

https://scriptingis.life github.com/becksteadn



00 Arguments

Like what your parents have

Arguments

-4 - Show only IPv4 addresses

-o - Print each entry on a single line

-r - Resolve IP addresses

Arguments

-d - Details

-br - Brief

-c - Basically party parrot

01 Address

There's no place like 127.0.0.1

IP Address

ip a

ip addr show

ip a show dev eth0

ip a show label eth*

IP Address

ubuntu@ip-172-31-4-61:~\$ ip a

1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000 link/loopback 00:00:00:00:00:00:00 brd 00:00:00:00:00:00

inet 127.0.0.1/8 scope host lo

valid_lft forever preferred_lft forever

inet6 ::1/128 scope host

valid_lft forever preferred_lft forever

2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 9001 qdisc fq_codel state UP group default qlen 1000 link/ether 0a:f2:53:ab:d0:cc brd ff:ff:ff:ff:ff:ff

inet 172.31.4.61/20 brd 172.31.15.255 scope global dynamic eth0

valid_lft 3565sec preferred_lft 3565sec

inet6 fe80::8f2:53ff:feab:d0cc/64 scope link

valid_lft forever preferred_lft forever



ubuntu@ip-172-31-4-61:~\$ ip -4 a

1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000 inet 127.0.0.1/8 scope host lo

valid_lft forever preferred_lft forever

- 2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 9001 qdisc fq_codel state UP group default qlen 1000 inet 172.31.4.61/20 brd 172.31.15.255 scope global dynamic eth0
 - valid_lft 3487sec preferred_lft 3487sec

IP /	\dd	ress
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ubuntu@ip-172-31-4-61:~\$ ip -o a

1: lo inet 127.0.0.1/8 scope host lo\ valid_lft forever preferred_lft forever
1: lo inet6 ::1/128 scope host \ valid_lft forever preferred_lft forever
2: eth0 inet 172.31.4.61/20 brd 172.31.15.255 scope global dynamic eth0\ valid_lft 3407sec preferred_lft 3407sec
2: eth0 inet6 fe80::8f2:53ff:feab:d0cc/64 scope link \ valid_lft forever preferred_lft forever

IP Address

ubuntu@ip-17	2-31-4-61:~\$ ip -b	r a
lo	UNKNOWN	127.0.0.1/8 ::1/128
eth0	UP	172.31.4.61/20 fe80::8f2:53ff:feab:d0cc/64

IP Address

ubuntu@ip-172-31-4-61:~\$ ip -c a

1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000 link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00

inet 127.0.0.1/8 scope host lo

valid_lft forever preferred_lft forever

inet6 ::1/128 scope host

valid_lft forever preferred_lft forever

2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 9001 qdisc fq_codel state UP group default qlen 1000 link/ether 0a:f2:53:ab:d0:cc brd ff:ff:ff:ff:ff:ff

inet 172.31.4.61/20 brd 172.31.15.255 scope global dynamic eth0

valid_lft 3387sec preferred_lft 3387sec

inet6 fe80::8f2:53ff:feab:d0cc/64 scope link

valid_lft forever preferred_lft forever



02 ARP

I AM THE ROUTER NOW

Address Resolution Protocol

ip neighbour

ip neigh show dev eth0

ip n add 192.168.1.1 lladdr aa:bb:cc:dd:ee:ff dev eth0

Address Resolution Protocol

ubuntu@ip-172-31-4-61:~\$ ip n 172.31.0.2 dev eth0 lladdr 0a:cf:f9:83:19:cd STALE 172.31.0.1 dev eth0 lladdr 0a:cf:f9:83:19:cd REACHABLE



03 Interfaces

Up, down, all around

Interfaces

ip link set eth0 up/down

ip link set arp off dev eth0

ip link set eth0 promisc on

"a way or course taken in getting from a starting point to a destination."

ip route show

ip route add default 192.168.1.1 dev eth0

ip route get \$(dig +short google.com)

ubuntu@ip-172-31-4-61:~\$ ip route show default via 172.31.0.1 dev eth0 proto dhcp src 172.31.4.61 metric 100 172.31.0.0/20 dev eth0 proto kernel scope link src 172.31.4.61 172.31.0.1 dev eth0 proto dhcp scope link src 172.31.4.61 metric 100

ubuntu@ip-172-31-4-61:~\$ ip route get \$(dig +short ritsec.club) 192.64.119.183 via 172.31.0.1 dev eth0 src 172.31.4.61 uid 1000 cache

Thanks!

Up next....awk???

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