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you can configure ip addresses network interfaces and routing rules on the fly with the linux ip command we ll show you how you can use this modern replacement of the classic and now deprecated ifconfig show ip address with hostname command the hostname command usually displays the hostname of your system it can also be used to display the ip address of the host hostname i it will simply display the ip address of the host in the terminal abhishek linuxhandbook hostname i 192 168 0 106 the ip command is a powerful tool for configuring network interfaces that any linux system administrator should know it is used to bring interfaces up or down assign and remove addresses and routes manage arp cache and much more this article explains several different methods of determining the public and private ip addresses of a linux system knowing the ip address of your device is important when troubleshooting network issues setting up a new connection or configuring a firewall the ip command in linux is a powerful utility for network configuration and management it allows users to interact with various networking components such as network interfaces routing tables addresses and more in this guide we will delve into the ip command covering each aspect with examples code and detailed explanations like the ifconfig utility the ip command is a network utility specifically designed for managing linux system networks the main goal of the ip command is to configure different network interfaces in this tutorial we ll use the ip command with various available options 2 syntax of ip command the ip command has a straightforward syntax use ip command to display and configure the network parameters for host interfaces for 1 find out which interfaces are configured on the system 2 query the status of a ip interface 3 configure the local loop back ethernet and other ip interfaces 4 mark the interface as up or down how to find ip address in linux using command line depending on the method used you may obtain information on your public or private ip address we ll look at both approaches in the examples below find your public ip address the commands below use curl to connect to a remote api and return your public ip address in response the linux ip command lets administrators view the system s ip networking information from the command line it permits them to configure network interfaces routing information and ipv4 ipv6 addresses using hostname command the linux hostname command is used to configure the system s hostname but can also retrieve ip address information note the output of hostname commands can vary depending on the linux distribution and local network settings the ip command is one of the most used networking commands in linux and there are multiple reasons why using the ip command you can get network stats configure interfaces manage network routing and even monitor the network activity name top ip show manipulate routing network devices interfaces and tunnels synopsis top ip options object command help ip force batch filename object address addrlabel fou help ila ioam l2tp link macsec maddress monitor mptcp mroute the ip command in linux is a powerful command line utility that enables users to configure network interfaces in addition to other applications you can also assign new ip addresses using this command b syntax the syntax of the ip command in linux is a bit different from the other available commands type the following dig domain information groper command on a linux os x or unix like operating systems to see your own public ip address assigned by the isp dig short myip opendns com resolver1 opendns com you can also type dig txt short o o myaddr l google com ns1 google com the following commands will get you the ip address list to find public ip addresses for your machine curl ifconfig me curl 4 6 icanhazip com curl ipinfo io ip curl api ipify org curl checkip dyndns org dig short myip opendns com resolver1 opendns com host myip opendns com resolver1 opendns com curl ident me 16 you can use ifconfig to get the ip address of any of the interfaces on the system note that there may well be more than one interface and more than one ip address start with ifconfig a share the ip command is available on most linux distributions for setting an ip address use it like this ip addr add ip address dev interface for example add an ip address to the eth1 interface as sudo ip addr add 192 168 56 21 24 dev eth1 you now have two ip addresses one from the old configuration and one from the new command in linux the equivalent command is ip you may also see the ifconfig command mentioned in some guides online but that command has been deprecated and superseded by ip all modern and up to date systems will use the ip command check out some of the examples below to get acclimated with the ip command in this article we will explore several methods to find your ip address in a linux environment whether you are a seasoned linux user or just getting started understanding these methods will empower you to navigate and manage your network effectively linux ip command updated 08 16 2021 by computer hope on linux operating systems the ip command edits and displays the configuration of network interfaces routing and tunnels on many linux systems it replaces the deprecated ifconfig command syntax examples related commands linux commands

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