

WiFi Password of All Connected Networks in Windows/Linux

By GeeksforGeeks

Published: 2017-08-14 · Archived: 2026-04-05 22:35:47 UTC

Last Updated : 11 Jul, 2022

Windows

Command Prompt, also known as cmd.exe or cmd (after its executable file name) is a great tool for the people who love command interface rather than Graphical UI. There are a lot of features which are still not implemented in Graphical User Interface can be accessed via CMD. In this article, I am going to share how to find out the password of all connected devices using CMD.

Before going further, you should know one thing that whenever you connect to a Wi-Fi network and enter the password, Windows creates a WLAN profile of that Wi-Fi network. These WLAN profiles are stored in the computer alongside other required details of the Wi-Fi profile.

We can uncover these WLAN profiles later by simply using Windows CMD. You can find out all the connected networks and their passwords by using simple commands. These commands can also uncover the Wi-Fi passwords of the networks which are not connected at the moment but were connected before. So it works even when you are offline or when you are connected to any other networks.

NOTE: Following command will only be executed by administrator

1) Open command prompt and run it as administrator

2) Type "netsh wlan show profile" - It will show all profile of Wi-Fi which were earlier connected to the computer

```
Command Prompt
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\Agnu>netsh wlan show profile

Profiles on interface Wi-Fi:

Group policy profiles (read only)
-----
<None>

User profiles
-----
All User Profile : SaDiNeNi
All User Profile : XT1068 6300
All User Profile : Redmi 2
All User Profile : Redmi
All User Profile : Leela-Ambience
All User Profile : MotoG3-TE 7222
All User Profile : vicky
All User Profile : BHTn-YnJpanJzaGFyYW4
All User Profile : BH-1-416
All User Profile : BH-1-415
All User Profile : default
All User Profile : CC2-4106
All User Profile : CC3

C:\Users\Agnu>
```

2) Type this command without quotes "netsh wlan show profile SaDiNeNi key=clear"

```
Command Prompt
C:\Users\Agnu>netsh wlan show profile SaDiNeNi key=clear
Profile SaDiNeNi on interface Wi-Fi:
=====
Applied: All User Profile
Profile information
-----
Version                : 1
Type                   : Wireless LAN
Name                   : SaDiNeNi
Control options        :
    Connection mode    : Connect automatically
    Network broadcast  : Connect only if this network is broadcasting
    AutoSwitch         : Do not switch to other networks
    MAC Randomization  : Disabled
Connectivity settings
-----
Number of SSIDs        : 1
SSID name              : "SaDiNeNi"
Network type           : Infrastructure
Radio type             : [ Any Radio Type ]
Vendor extension       : Not present
Security settings
-----
Authentication         : WPA2-Personal
Cipher                 : CCMP
Authentication         : WPA2-Personal
Cipher                 : Unknown
Security key           : Present
Key Content            : babugadu
Cost settings
-----
Cost                   : Unrestricted
Congested              : No
Approaching Data Limit : No
Over Data Limit       : No
Roaming                : No
Cost Source            : Default
```

Precaution which should be taken :

- 1)Type netsh wlan show profiles (It will show different wi-fi which were connected)
- 2)Type netsh wlan delete profile name="ProfileName" (Delete the desired profile)

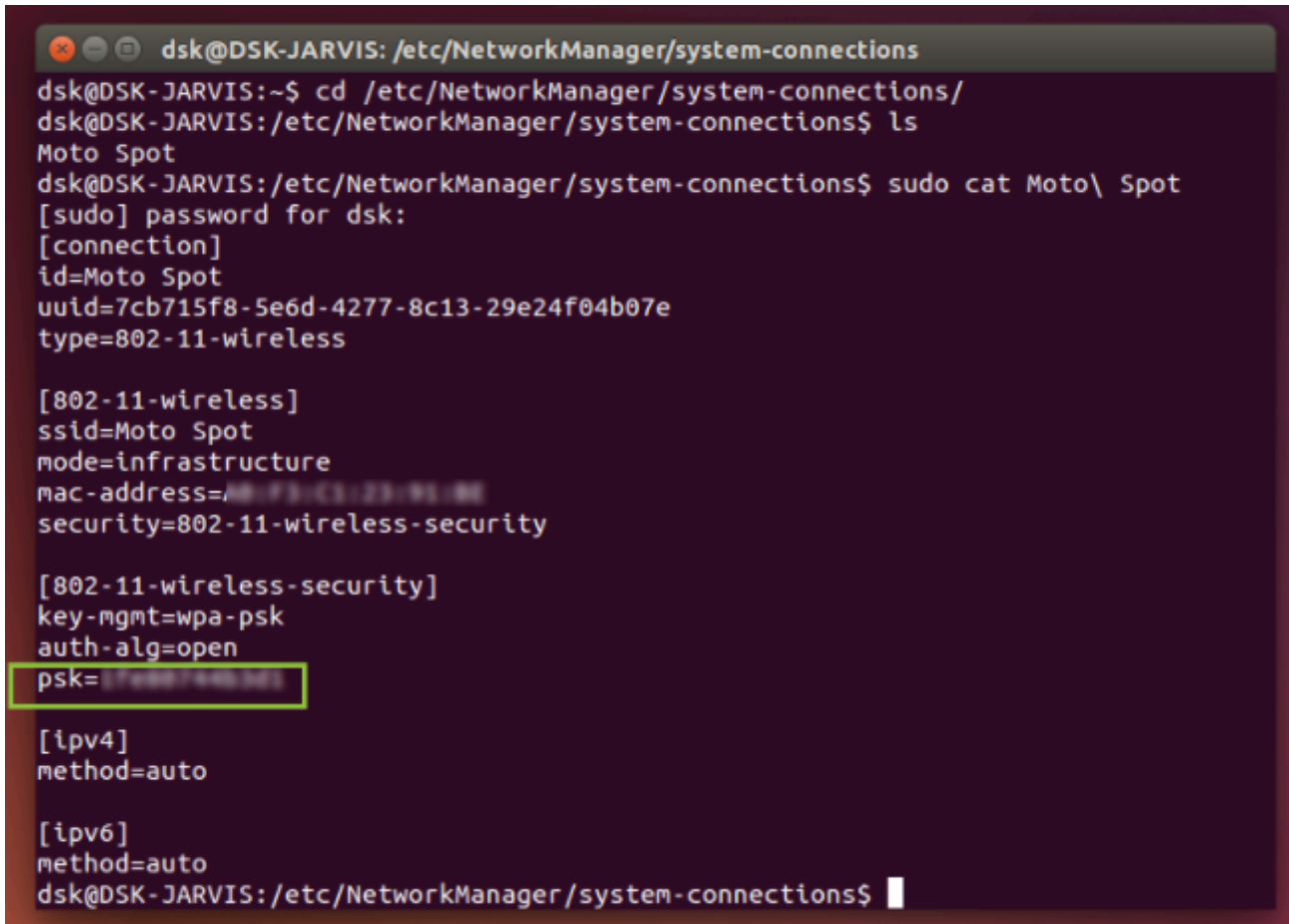
LINUX

To find the saved wifi password via command line, follow these steps: Login into Ubuntu and open up the "Terminal" and enter these commands.

- 1) Type `cd /etc/NetworkManager/system-connections/` - It contains profile of Wi-Fis
- 2) Type `ls -a`

Now you will get name of the wifi networks saved on your pc. Now enter the following command with the name of your wifi network you want to find the password. You can find your password at "psk"="PASSWORD".

3) sudo cat WIFI_SSID_Name



```
dsk@DSK-JARVIS: /etc/NetworkManager/system-connections
dsk@DSK-JARVIS:~$ cd /etc/NetworkManager/system-connections/
dsk@DSK-JARVIS:/etc/NetworkManager/system-connections$ ls
Moto Spot
dsk@DSK-JARVIS:/etc/NetworkManager/system-connections$ sudo cat Moto\ Spot
[sudo] password for dsk:
[connection]
id=Moto Spot
uuid=7cb715f8-5e6d-4277-8c13-29e24f04b07e
type=802-11-wireless

[802-11-wireless]
ssid=Moto Spot
mode=infrastructure
mac-address=88:73:c3:23:95:88
security=802-11-wireless-security

[802-11-wireless-security]
key-mgmt=wpa-psk
auth-alg=open
psk=1708070495202

[ipv4]
method=auto

[ipv6]
method=auto
dsk@DSK-JARVIS:/etc/NetworkManager/system-connections$
```

Precaution which should be taken :

1) sudo ls -l /etc/NetworkManager/system-connections/

To list all the files, after you have found the network that you want to delete, remove them with the command:

2) sudo rm /etc/NetworkManager/system-connections/NETWORK_NAME

Source: <https://www.geeksforgeeks.org/wi-fi-password-connected-networks-windowslinux/>