

VINCSS OVPN CLIENT **USER MANUAL**

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VERSION TRACKING

Version	Date	Writer	Position	Contact	Note
1.0	16/08/2021		Product Department, VinCSS		VinCSS OVPN Client User Manual



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I. INSTALLING AND CONFIGURING VINCSS OVPN CLIENT SOFTWARE

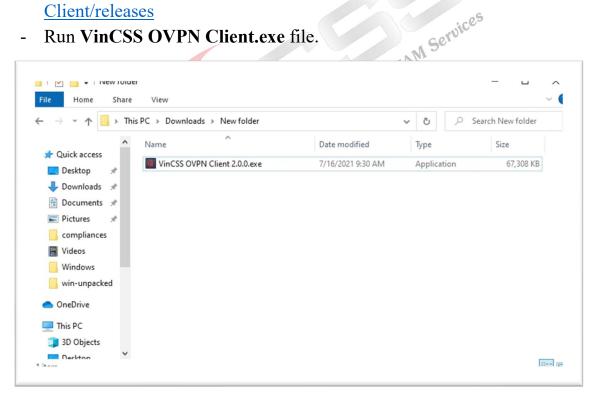
VinCSS OVPN Client software is compatible with following operating systems:

- Windows 10
- Windows 8
- Windows 7
- macOS Big Sur
- macOS Catalina
- **Ubuntu 20.04**
- Ubuntu 18.04

I.1. Windows

I.1.1. Installing VinCSS OVPN Client

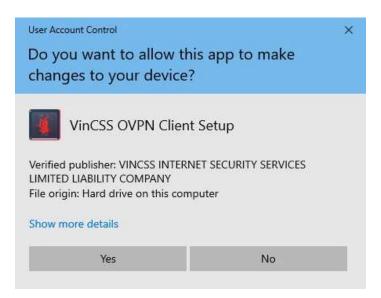
- Download VinCSS OVPN Client version for Windows OS https://github.com/VinCSS-Public-Projects/VinCSS-FIDO2-OVPN-Client/releases
- Run VinCSS OVPN Client.exe file.



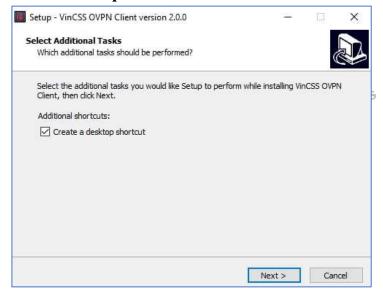
Check that window shows a valid installation package with information on the publisher "VINCSS INTERNET SECURITY SERVICES LIMITED LIABILITY COMPANY". If the publisher information is correct, click Yes to continue.

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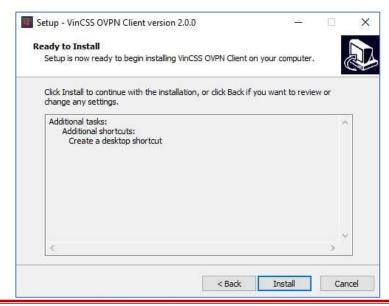




- Select Create a desktop shortcut and click Next to continue.



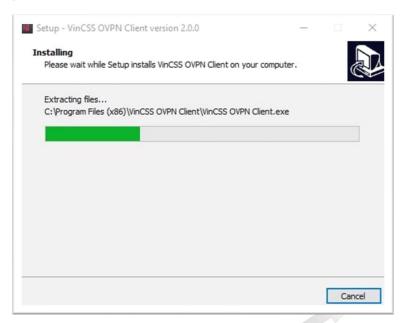
- Click **Install** to start installing the software.



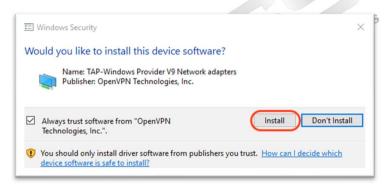
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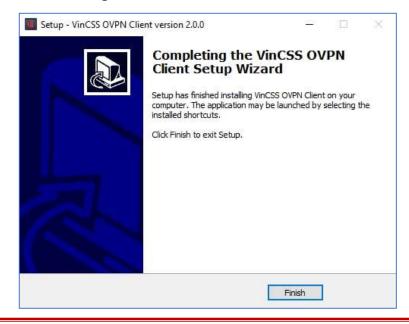
- Installing software.



- Click **Install** to run tap adapter installation (if requried).



- Click **Finish** to complete the installaion of VinCSS OVPN Client software.

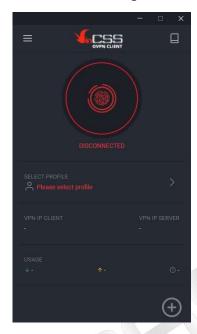


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I.1.2. Configuring VPN connection

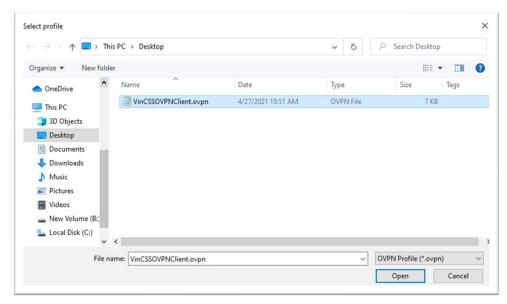
- Open VinCSS OVPN Client software installed in the computer. On main screen, click (+) symbol to add a new profile.



- Or, right-click on VinCSS OVPN Client icon on the taskbar, select Import profile.



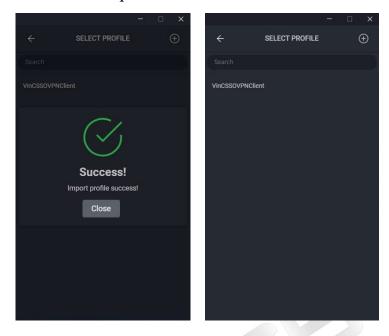
- Select profile was sent by the administrator (file .ovpn) and click **Open**.



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After profile is added successfully, click Close to close the notification window. Screen shows profile name in the list.



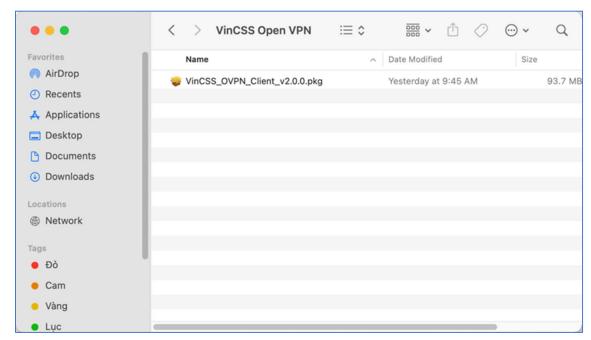
I.2. macOS

I.2.1. Installing VinCSS OVPN Client

- Services

 Services

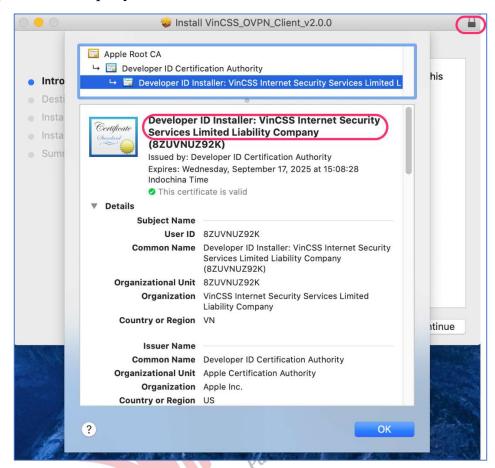
 VinCs - Download VinCSS **OVPN** Client macOS at: https://github.com/VinCSS-Public-Projects/VinCSS-FIDO2-OVPN-Client/releases
- Run VinCSS OVPN Client.pkg file.



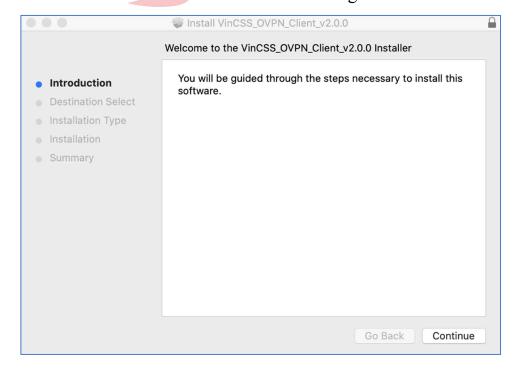
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- Click on the lock icon in the upper right corner to check the software provider company information.



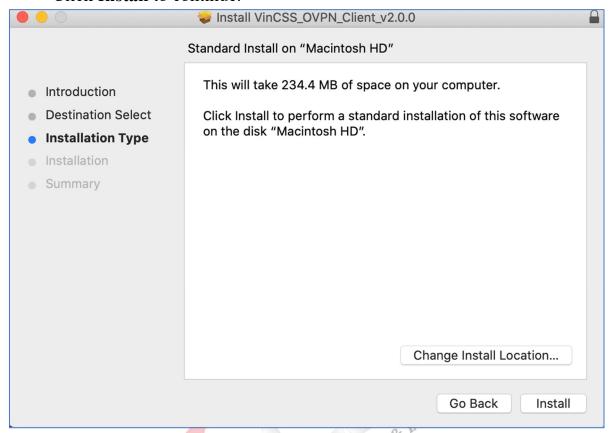
- Click **OK** and then **Continue** to start installing the software.



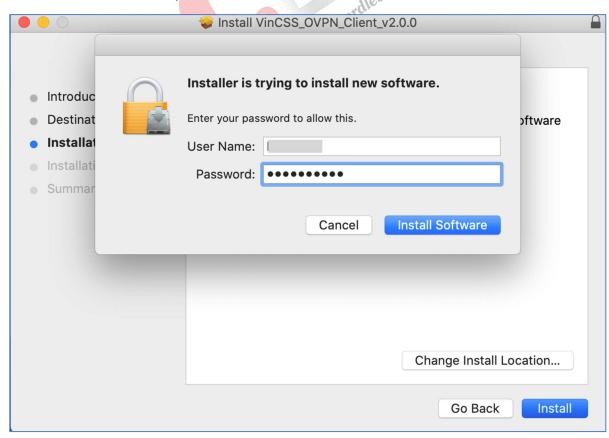
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- Click **Install** to continue.



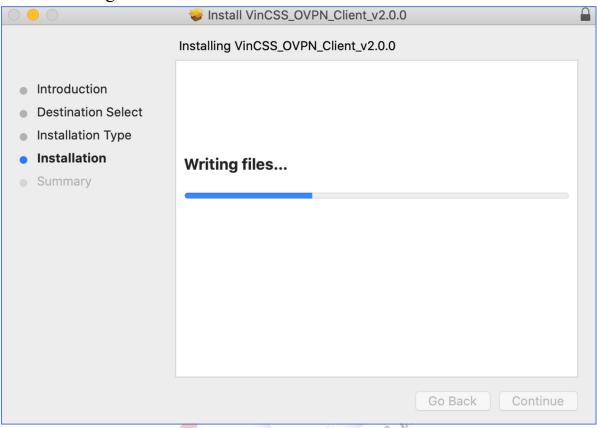
- Enter Password, then click Install Software to continue.



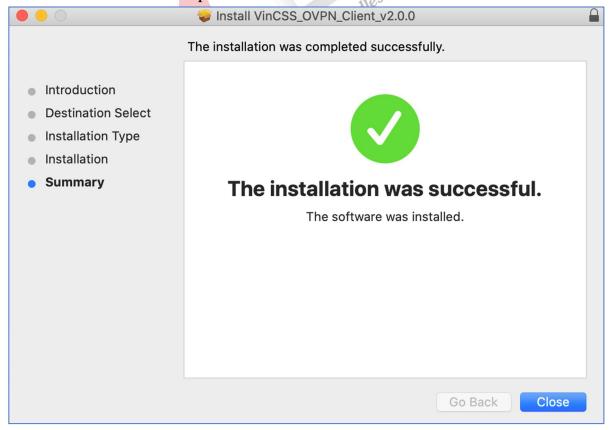
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- Installing software.



- Click **Close** to complete the installaion of VinCSS OVPN Client software.

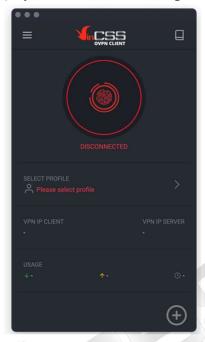


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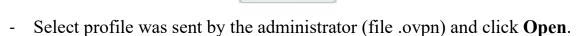
I.2.2. Configuring VPN connection

- Open VinCSS OVPN Client software installed in the computer. On the main screen, click (+) symbol to add new a profile.



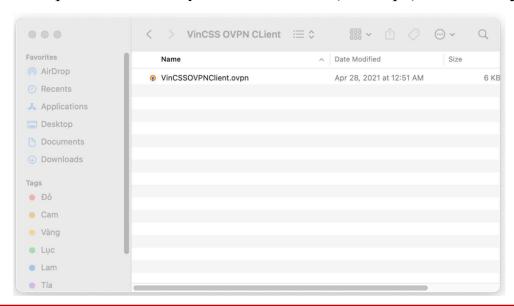
- Or, right-click on VinCSS OVPN Client icon on the taskbar, select **Import** profile.

6



Import profile
Show Window

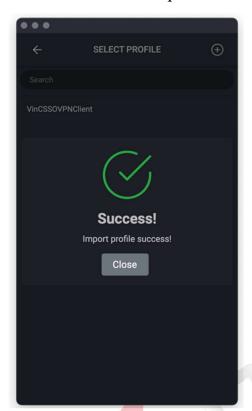
Quit



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After profile is added successfully, click Close to close the notification window. Screen shows profile name in the list.





I.3.1. Installing VinCSS OVPN Client, Supporting Street, Supporting Street, St Use file GPG CodeSigning VinCSS.asc at https://github.com/VinCSS-Public-Projects/VinCSS-FIDO2-OVPN-Client/releases/latest to verify the installation package.

Import public key with the following command:

```
gpg --import GPG CodeSigning VinCSS pub.asc
```

```
vincss@ubuntu:~/Desktop/VinCSS_OVPN_Client$ gpg --import GPG_CodeSigning_VinCSS_pub.asc
gpg: keybox '/home/vincss/.gnupg/pubring.kbx' created
gpg: /home/vincss/.gnupg/trustdb.gpg: trustdb created
gpg: key 345AF17951F3DFEF: public key "VinCSS LLC <v.office@vincss.net>" imported
gpg: Total number processed: 1
```

Use the following command to verify the installation package is valid (result show "GOODSIG"):

```
dpkg-sig --verify VinCSS-OVPN-Client < version,</pre>
example: 1.3.4> amd64.deb
```

```
vincss@ubuntu:~/Desktop/VinCSS_OVPN_Client$ dpkg-sig --verify VinCSS_OVPN_Client_v1.3.4_amd64.deb
Processing VinCSS_OVPN_Client_v1.3.4_amd64.deb...
GOODSIG_gpgbuilder D3822102A757AA31A070087D345AF17951F3DFEF 1614055614
  lncss@ubuntu:~/Desktop/VinCSS_OVPN_Client$
```

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- Open Terminal and access the path containing the installer file.
- Use file VinCSS-OVPN-Client_<version>_amd64.deb and run the following command to install:

```
sudo dpkg -i VinCSS-OVPN-Client__<version,
example: 1.3.4>_amd64.deb
```

System will ask for root permission to install. Enter password, then click **Enter**.

```
vincss@ubuntu:~/Desktop/VinCSS_OVPN_Client$ sudo dpkg -i VinCSS_OVPN_Client_v1.3.4_amd64.deb
Selecting previously unselected package vincss-ovpn-client.
(Reading database ... 127493 files and directories currently installed.)
Preparing to unpack VinCSS_OVPN_Client_v1.3.4_amd64.deb ...
vincss-ovpn-client: no process found
Failed to stop vpnservice.service: Unit vpnservice.service not loaded.
Failed to disable unit: Unit file vpnservice.service does not exist.
rm: cannot remove '/etc/systemd/system/vpnservice.service': No such file or directory
Unpacking vincss-ovpn-client (1.3.4) ...
dpkg: dependency problems prevent configuration of vincss-ovpn-client:
vincss-ovpn-client depends on openvpn (>= 2.4.4); however:
Package openvpn is not installed.
vincss-ovpn-client depends on openvpn-systemd-resolved (>= 1.2.7); however:
Package openvpn-systemd-resolved is not installed.

dpkg: error processing package vincss-ovpn-client (--install):
dependency problems - leaving unconfigured
Processing triggers for gnome-menus (3.13.3-11ubuntu1.1) ...
Processing triggers for desktop-file-utils (0.23-1ubuntu3.18.04.2) ...
Processing triggers for mime-support (3.60ubuntu1) ...
Errors were encountered while processing:
vincss-ovpn-client
```

- System will ask to install additional packages openvpn-systemd-resolved. Use the following command to install the missing package:

```
sudo apt-get -f install
```

- Type the letter 'Y', then press **Enter** to confirm setting.

```
vincss@ubuntu:~/Desktop/VinCSS_OVPN_Client$ sudo apt-get -f install
Reading package lists... Done
Building dependency tree
Reading state information... Done
Correcting dependencies... Done
The following additional packages will be installed:
    libnss-resolve libnss-systemd libpam-systemd libpkcs11-helper1 libsystemd0 openvpn openvpn-systemd-resolved systemd
Suggested packages:
    easy-rsa resolvconf systemd-container
The following NEW packages will be installed:
    libnss-resolve libpkcs11-helper1 openvpn openvpn-systemd-resolved
The following packages will be upgraded:
    libnss-systemd libpam-systemd libsystemd0 systemd
4 upgraded, 4 newly installed, 0 to remove and 297 not upgraded.
1 not fully installed or removed.
Need to get 3,858 kB/3,963 kB of archives.
After this operation, 1,697 kB of additional disk space will be used.
Do you want to continue? [Y/n]
```

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- Installation success screen.

```
Do you want to continue? [7/n] Y Certification and A libykesii-helperi and 41.22-4 [4.5 km] A certification and A libyare and 41.22-4 [4.5 km] A certification and A libyare and A libya
```

I.3.2. Configuring VPN connection

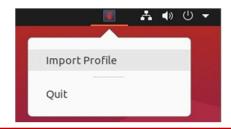
- Default on Linux, after VPN installed, it does not update DNS so you must add some information in VPN profile. Follow steps below:
 - o Open VPN profile file was sent by the administrator (file .ovpn), add line at the end of the VPN profile file.

```
dhcp-option DOMAIN-ROUTE .
```

- After adding information, proceed to save the configuration VinCSS
 OVPN Client file.
- Open VinCSS OVPN Client software is intalled in the computer.



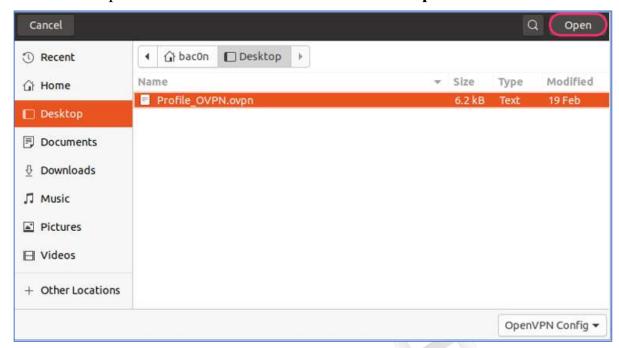
- Click on VinCSS OVPN Client icon, then select **Import Profile**.



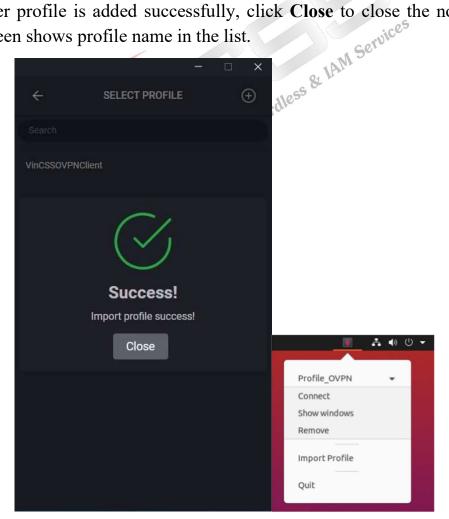
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Select profile has added information and click **Open**.



After profile is added successfully, click Close to close the notification. Screen shows profile name in the list.



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II. CONNECT VPN WITH VINCSS OVPN CLIENT USING VINCSS FIDO2® TOUCH 1 FOR PASSWORDLESS AUTHENTICATION

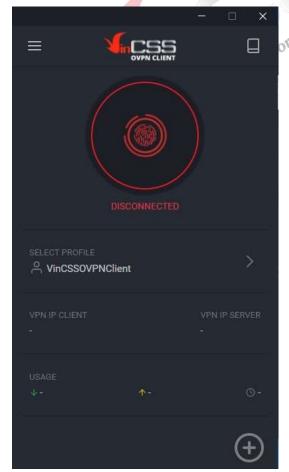
Note:

- Contact administrator to register the VinCSS FIDO2® Touch 1 for passwordless authentication with VinCSS OVPN Client software.
- Sequence of steps to establish VPN connection with VinCSS OVPN Client using VinCSS FIDO2® Touch 1 key for passwordless authentication are performed the same for Windows, macOS, Linux.

Section below is a step-by-step guide on Windows operating system.

Configuring VPN connection

- Connect VinCSS FIDO2® Touch 1 key to the computer.
- On the VinCSS OVPN Client application interface, select VPN profile to connect, then click the red fingerprint icon. Or right-click on VinCSS OVPN Client icon on taskbar, select VPN profile to connect, then select Connect.

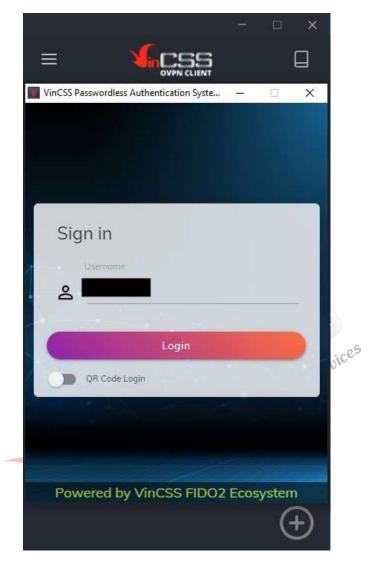




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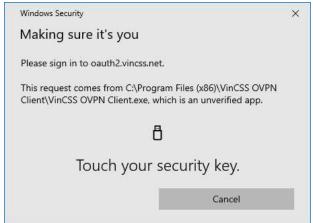


- On the program interface, enter the Username (case sensitive), then click **Login**.



- Enter the PIN code of VinCSS FIDO2® Touch 1 and click **OK**. Then touch logo on the VinCSS FIDO2® Touch 1 security key.





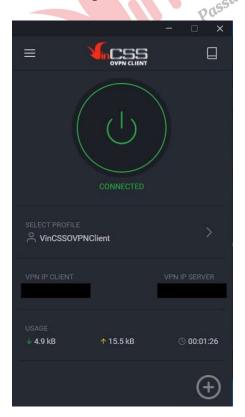
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- Loading screen while connecting server.



- VPN connection is established successfully if the screen shows the word CONNECTED in green. On the taskbar will be displayed a green icon.





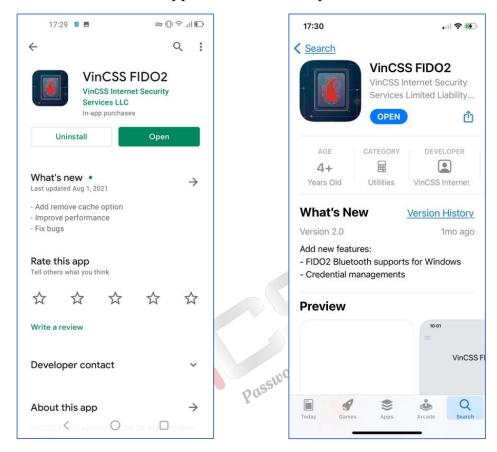
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III. CONNECT VPN WITH VINCSS OVPN CLIENT USING VINCSS FIDO2 APPLICATION FOR PASSWORDLESS AUTHENTICATION

Note:

- Install VinCSS FIDO2 application on smartphone.



VinCSS FIDO2 app on Android

VinCSS FIDO2 app on iOS

- Contact the administrator to get the QR Code for key registration in VinCSS FIDO application.

Configuring VPN connection

Note:

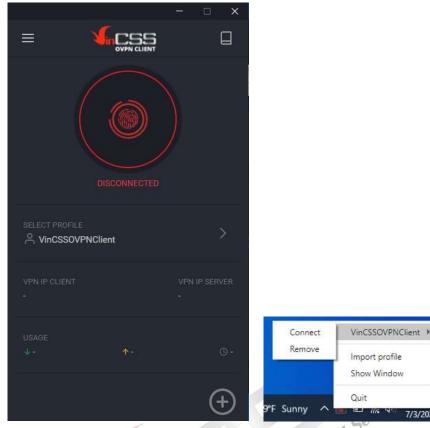
Sequence of steps to establish VPN connection with VinCSS OVPN Client using VinCSS FIDO2 application on smartphone for passwordless authentication are performed the same for Windows, macOS, Linux operating system.

Section below is a step-by-step guide on Windows.

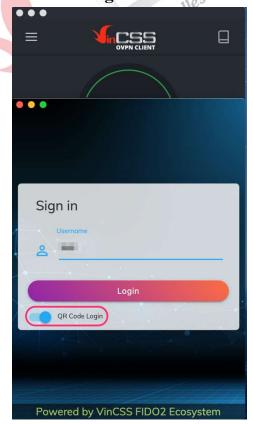
- On the VinCSS OVPN Client interface, select VPN profile to connect, then click the red fingerprint icon. Or right-click on VinCSS OVPN Client icon on taskbar, select VPN profile to connect, then click **Connect.**

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- On the program interface, enter the Username (case sensitive), then select QR Code Login and click Login.



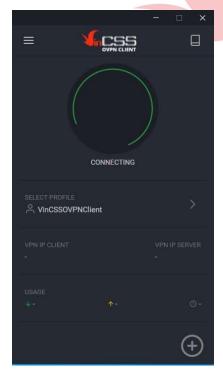
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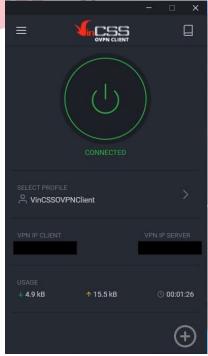


- QR Code is displayed on a new pop-up window. Use VinCSS FIDO2 application on smartphone to scan QR Code (code is valid for 40 seconds).



- VPN connection is established successfully if the green **CONNECTED** word is displayed. On the Taskbar will be displayed a green icon.







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