



Guidelines for VPN Account Management

Introduction: -

New SSL VPN solution or work from home solutions which allows remote users to access any internal web applications using just a browser. It provides a simple, seamless way to access e-Office from any device - personal or office-provided PCs, laptops or mobile devices . Such easy access via SSL tunnel and web browser mode will also enable access to eOffice from remote villages, talukas, etc., ensuring smooth delivery of e-governance services.

e-Office can be availed in internet through SSL tunnel and web VPN on MAC, Windows ,Ubuntu 16 or later ,IOS, Android.

Process of Account Creation: -

An VPN account shall be provided for user in an organization for accessing eoffice from home and when they are not connected to the KSWAN network.

a) Fill out the VPN application form in the format below for a new user, an existing user, and a project.

b) The VPN account is created based on the Govt e-mail or eoffice login-ID

c) The nodal officer of an Departments shall authorize creation of new vpn accounts. Department Nodal officer can directly send mail to SDC (sdc.ksitm@kerala.gov.in) mail id copying e-Office helpdesk (eoffice.ksitm@kerala.gov.in) with the following information -

Department Details				
SL NO	VPN username (e-Office login id)	Mobile Number	Email Id (Govt mail id)	Expiry date *

(Expiry date**Department should mention the vpn user validity period)

Deactivation of Accounts: -

Deactivation or deletion of an VPN account shall occur under the following conditions:

a) Any account which is inactive for a period of 30 days shall be deactivated. The user id along with the data shall be deleted from system after a period of 90 days, if no request for activation is received during this period.

b) The officer retires/resigns from Service.

c) The officer is no longer in a position to perform his duties



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Guidelines for New VPN installation on client Devices:

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**Kerala State IT Mission
(Department of Electronics and Information Technology)**

Prepared by Technology Expert



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Introduction:

New SSL VPN solution (Accops Hysecure) or work from home solutions which allows remote users to access any internal web applications using just a browser. It provides a simple, seamless way to access e-Office from any device - personal or office-provided PCs, laptops or mobile devices. Such easy access via SSL tunnel and web browser mode will also enable access to eOffice from remote villages, talukas, etc., ensuring smooth delivery of e-governance services.

e-Office can be availed in internet through SSL tunnel and web VPN on MAC, Windows, Ubuntu 16 or later, IOS, Android.

1.What Is a Virtual Private Network?

A virtual private network (VPN) is a method of providing secure remote access. A virtual private network can help prevent unauthorized access to a company's network and sensitive data. A VPN hides your IP address and makes your connection to the Internet more secure.

2.Why Are VPNs Important?

VPNs have become a crucial part of many organizations' security strategies regardless of business size, industry vertical, or geographic location. VPNs provide a way for authorized remote users to gain access to files, databases, and other network applications in a secure manner.

Due to the inherent security risks of the Internet, companies providing remote access and telecommuting choices must protect their private data through a VPN.

3.Overview of SSL / IPsec VPN

SSL VPNs arose as a response to the complexity of the [Internet Protocol security \(IPsec\)](#) framework, and the inability to support every end user—particularly remote users—from every platform available. An SSL VPN generally provides two things: [secure remote access](#) via a web portal, and network-level access via an SSL-secured tunnel between the client and the corporate network. The primary benefit of an SSL VPN is data security and privacy.

Because an SSL VPN uses standard web browsers and technologies, it gives users secure remote access to enterprise applications without requiring the installation and maintenance of separate client software on each user's computer. Most SSL VPNs also integrate with multiple authentication mechanisms.



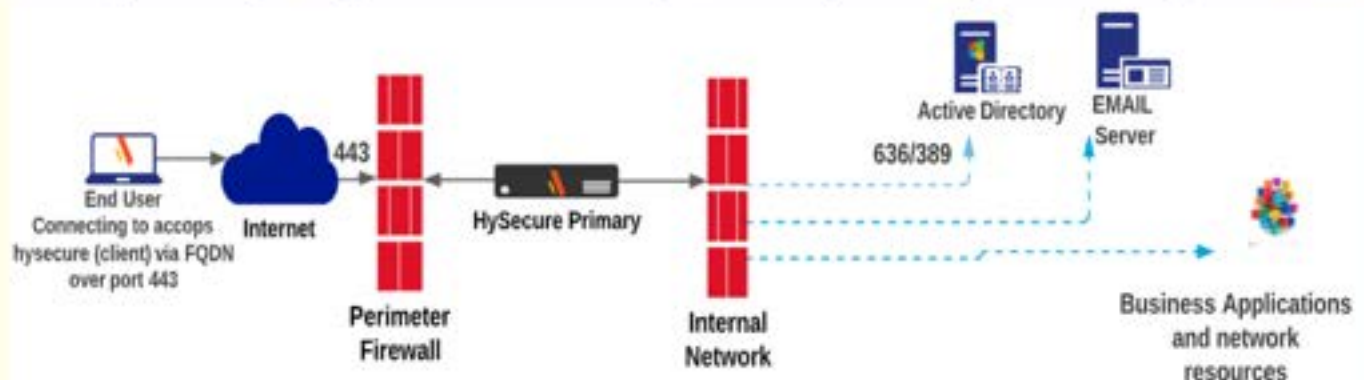
IPsec VPN provides a group of remote users with secure, encrypted access to the corporate network. The tunnel provides group members with access to networks.

4.IPsec Vs,SSL VPN

IPsec VPNs vs. SSL VPNs

FEATURES	IPsec VPN	SSL VPN
Network layers	Operates at Layer 3	Operates at Layers 4-7
Connectivity	Connects remote hosts to entire networks	Connects users to specific apps and services
Applications	Can support all IP-based applications	Best for email, file sharing and browser-based apps
Gateway location	Gateway usually implemented on the firewall	Gateway typically deployed behind the firewall
Security/control	Broad access creates security concerns	More granular controls require more management
Endpoints	Requires host-based clients	Browser-based, with optional thin client

Zero Trust-based Application Access Gateway that allows govt. users to safely log in to and securely access govt. applications and desktops, from anywhere, any network, any device





Following methods can be adopted for getting a secure VPN connection.

1) Using SSL Client software Accops (should be installed on the machine/ mobile)

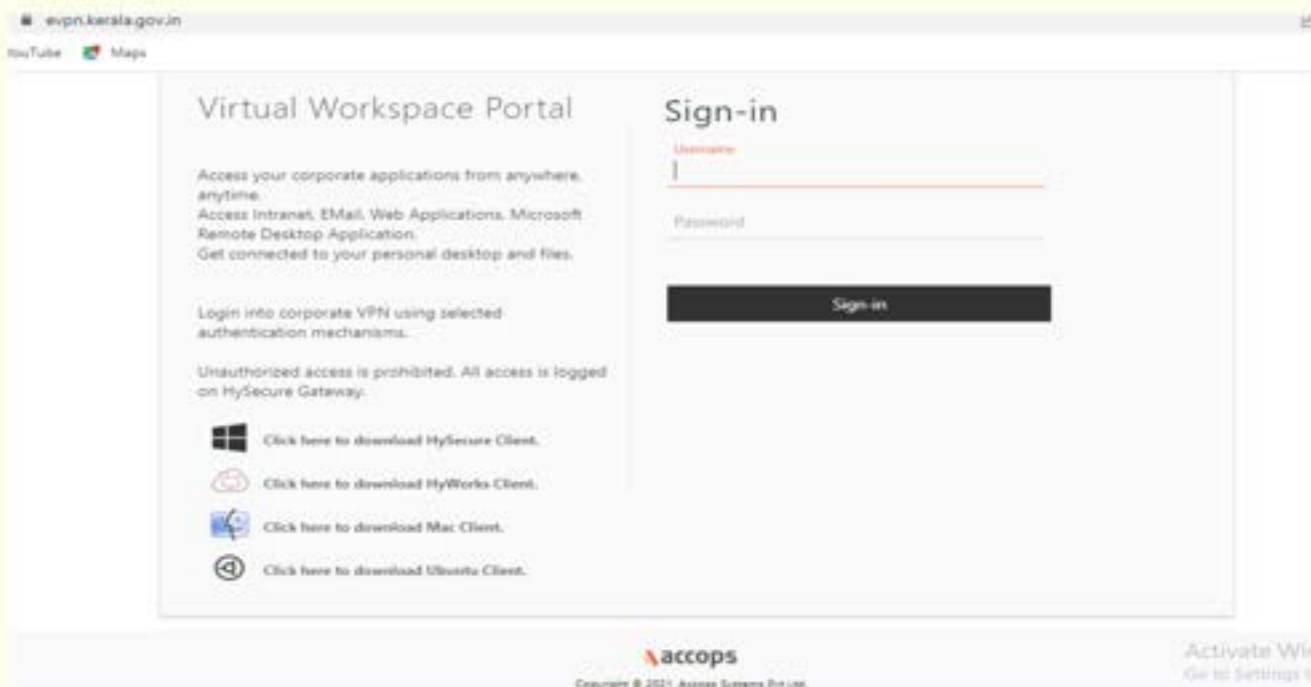
Or

2) Using the URL (<https://evpn.kerala.gov.in>) (Recommend only if Client software not working properly)

Accops Hysecure Installation for User login on Windows OS

Steps to install HySecure Client on Windows

- 1) To download hysecure client open browser and type HySecure server URL <https://evpn.kerala.gov.in> , click on below option to download hysecure and HyWorks client for windows.

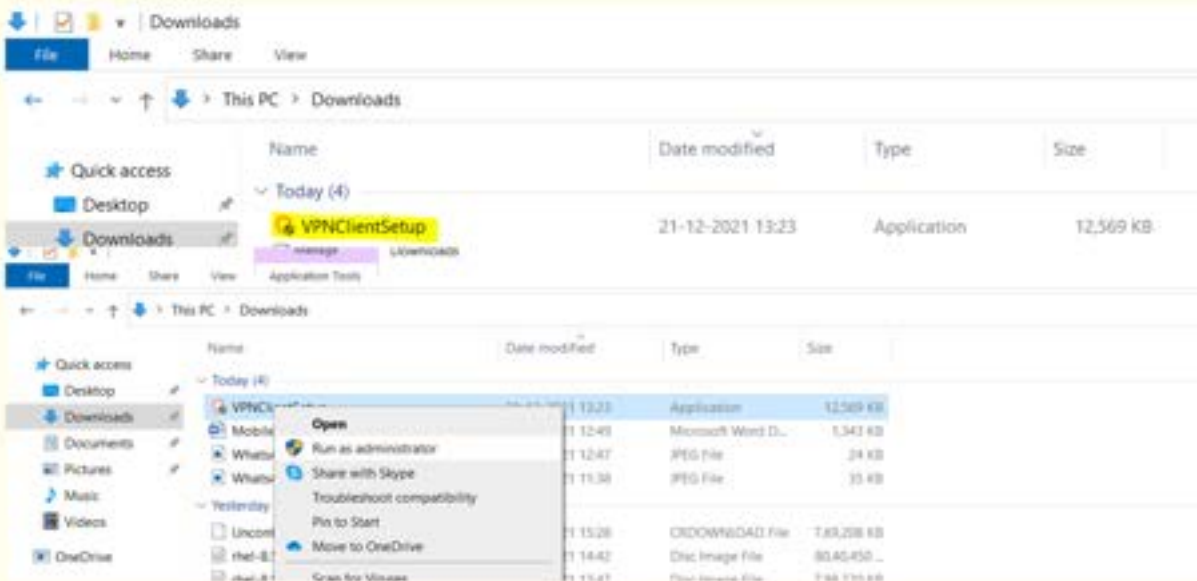


- 2) Open file explorer and go to downloads folder. Right click on **VPNClientSetup.exe** and select "**Run as Administrator**" and install the hysecure client. Then install HyWorks client.



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Now to login using Hysecure client go to desktop and click on hysecure client



3) Enter HySecure Server address 'evpn.kerala.gov.in' and enter your AD username and password to login.

Accops HySecure Client

Action

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HySecure Server:

Please login using configured authentication method.

Login with a digital certificate

Username:

Password:

Remember Me Remember Password



Accops Hysecure Installation for User login on MAC OS

1) To download hysecure client open browser and type HySecure server URL <https://evpn.kerala.gov.in>, click on below option to download hysecure and HyWorks client for Mac Os.

or

2) To download Hysecure client version for MAC, click on the below URL.
<https://support.accops.com/a/solutions/articles/12000084580>

evpn.kerala.gov.in

YouTube Maps

Virtual Workspace Portal

Access your corporate applications from anywhere, anytime.
Access Intranet, Email, Web Applications, Microsoft Remote Desktop Application.
Get connected to your personal desktop and files.

Login into corporate VPN using selected authentication mechanisms.

Unauthorized access is prohibited. All access is logged on HySecure Gateway.

- Click here to download HySecure Client.
- Click here to download HyWorks Client.
- Click here to download Mac Client.
- Click here to download Ubuntu Client.

Sign-in

Username
|

Password

Sign-in

accops

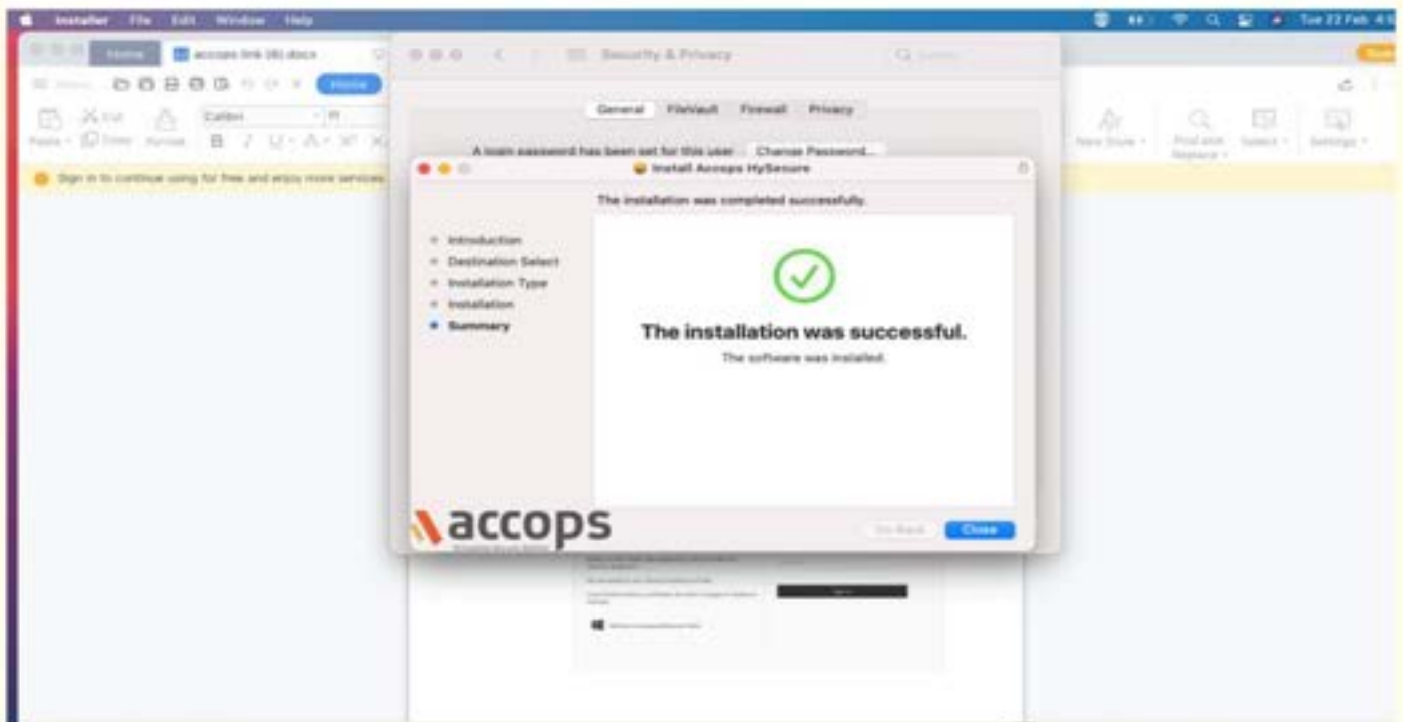
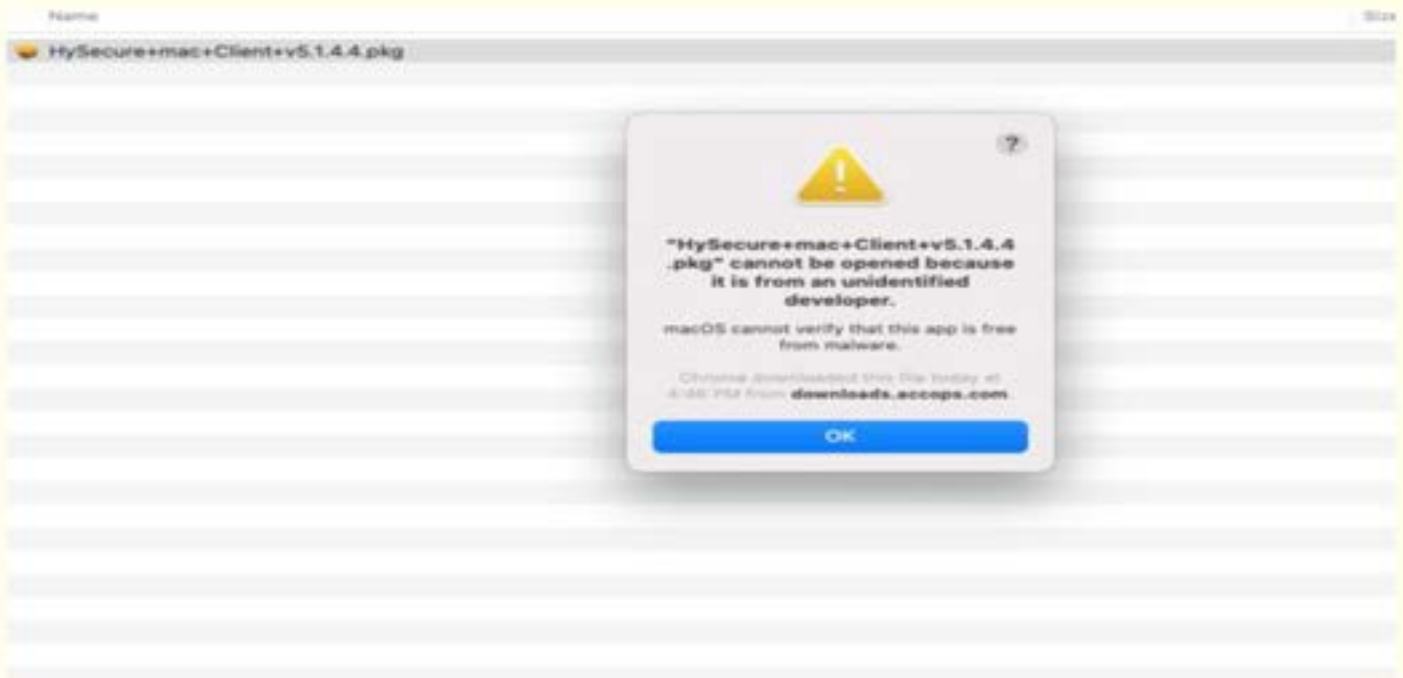
Copyright © 2021, Accops Systems Pvt Ltd.

Activate Wi-Fi
Go to Settings



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3) After installing Accops Hysecure for MAC , enter the Server address “evpn.kerala.gov.in” and AD username and password as shown below :



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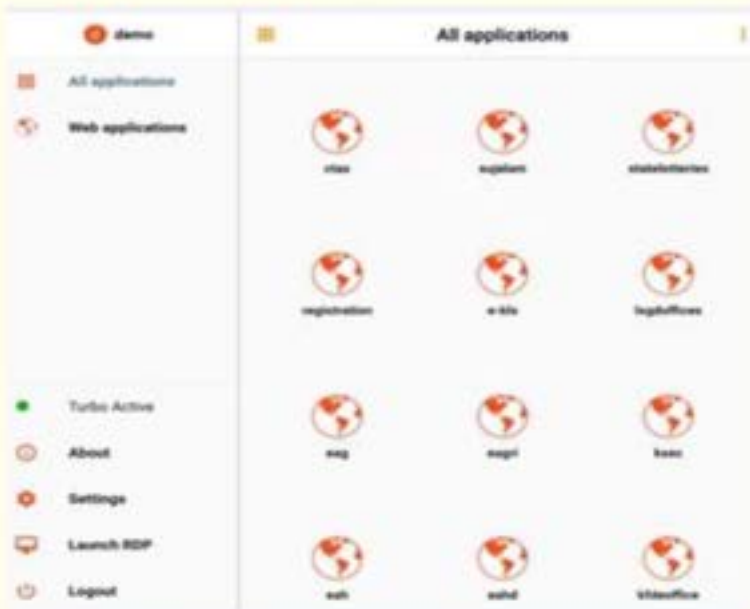
Click on login .

4) Once you click on log in , you will see the following console or enter your office link on url as (<https://esarkar.kerala.gov.in>)



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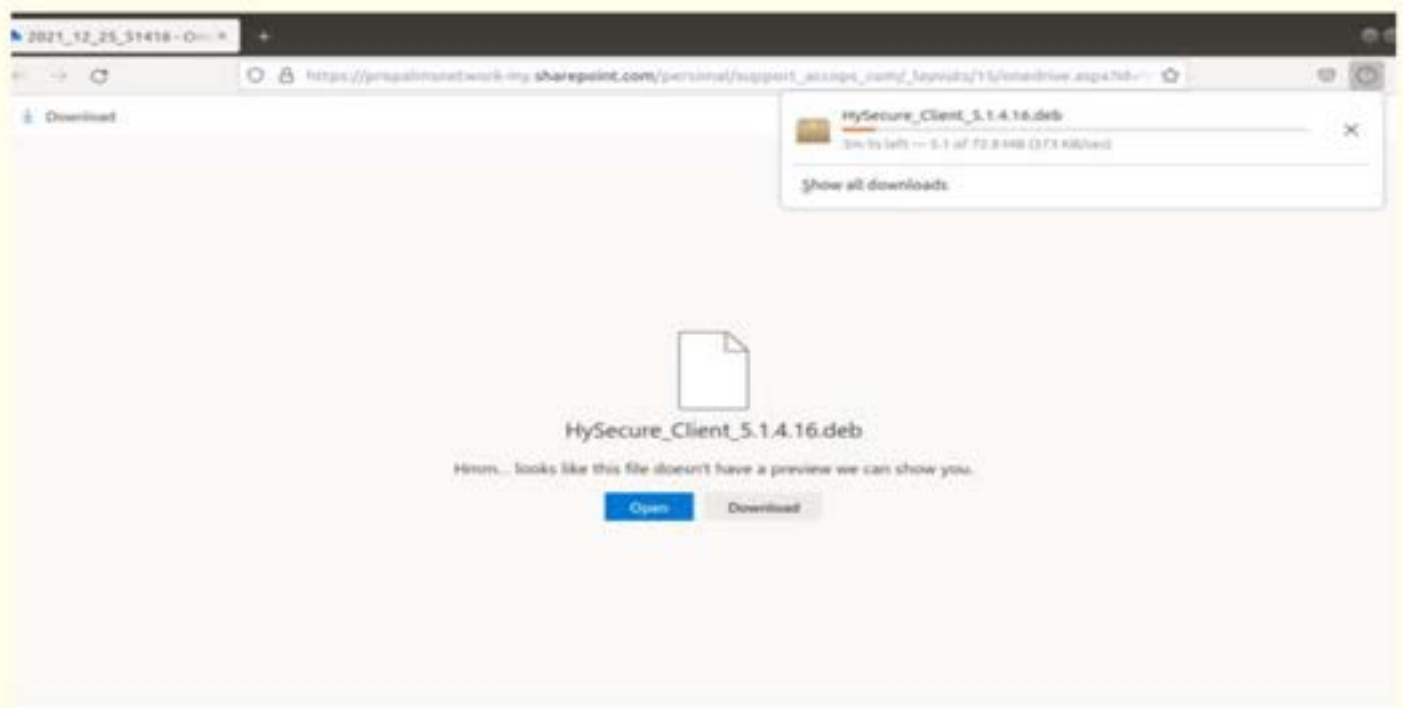
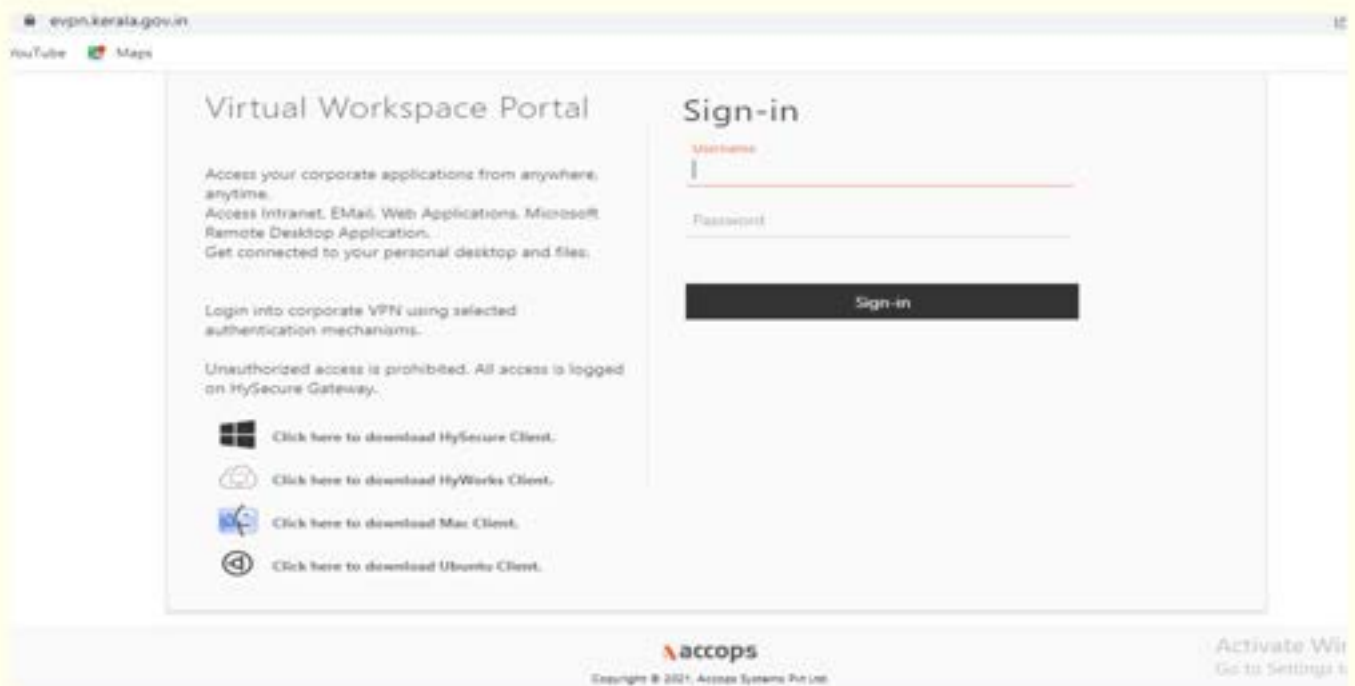
5) Click on any app and you will be headed to login screen as shown below for app





Accops Hysecure Installation for User login on Linux systems(ubuntu)

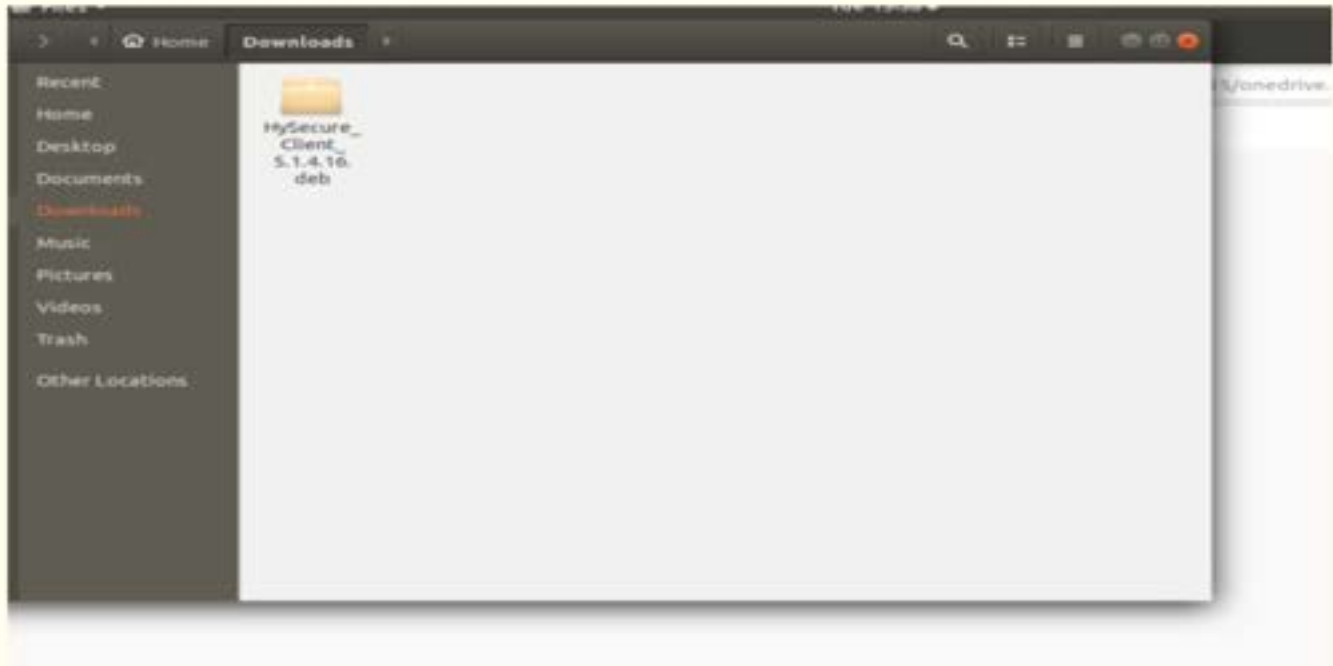
- 1) To download hysecure client open browser and type HySecure server URL <https://evpn.kerala.gov.in> , click on below option to download hysecure and HyWorks client for Ubuntu Os.





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Step 3: After installation Open the Hysecure Client and enter the Server details, Username and Password
Server Details : evpn.kerala.gov.in



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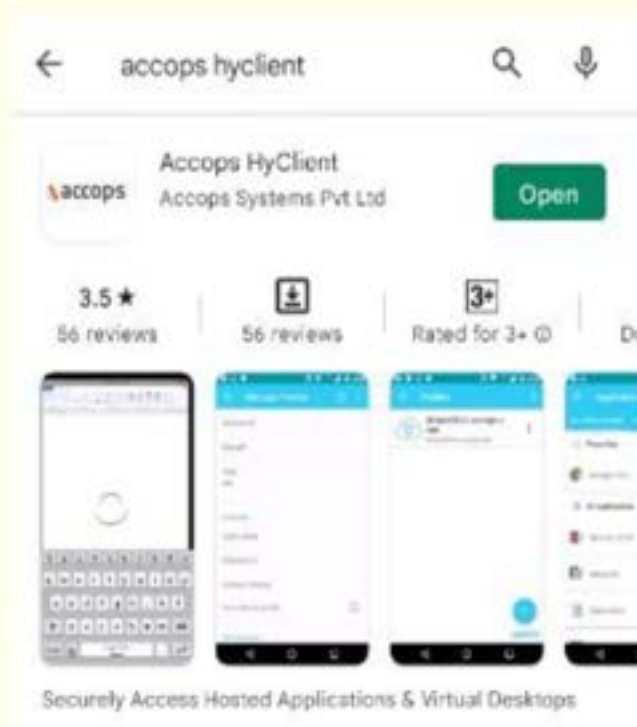
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ACCOPS HyClient Installation for Turbo setup on ANDROID

1) To Access turbo configured apps through android , first we need to install Accops Hyclient app from Play Store as shown below .



This is how it will be seen, once installed .



2) Once you click on the app, you will see a screen like below to enter the server address. Here we enter server address “evpn.kerala.gov.in” as shown below.



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The screenshot shows a mobile application interface with a blue header bar containing a hamburger menu icon and the text "Create Profile". Below the header is a white card with the title "Enter Server Address" and a subtitle "Enter the server address of your secure access gateway". A text input field contains the URL "evpn.kerala.gov.in" with a globe icon to its left. A blue "CONTINUE" button is positioned below the input field. Underneath the card is a blue bar with the text "ADVANCED". At the bottom of the screen, a standard QWERTY keyboard is visible.

3) After clicking on continue, you need to enter your username as shown below.

The screenshot shows the same mobile application interface as the previous one, but now the white card is titled "Enter Username". The text input field contains the username "demo" with a globe icon to its left. The blue "CONTINUE" button remains below the input field.



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4) After that enter the password and click on continue.

The screenshot shows a mobile application interface for creating a profile. At the top, there is a blue header with a hamburger menu icon and the text "Create Profile". Below the header, there is a text input field labeled "Enter Password (Optional)". The password field contains ten black dots, indicating a masked password. To the right of the password field is an eye icon for toggling visibility. Below the password field is a checkbox labeled "Save Password". At the bottom of the form is a blue button with the text "CONTINUE".

5) Your profile will get created after clicking on save as shown below.

The screenshot shows the same mobile application interface for creating a profile. The header is the same. Below the header, there is a text input field labeled "Enter Profile name". Above this field is a tooltip that says "Frequently used email". The profile name field contains the email address "demo@evpn.kerala.gov.in" with a plus sign and a person icon to its left. Below the profile name field is a checkbox labeled "Set as default profile". At the bottom of the form is a blue button with the text "SAVE".

6) Once your profile gets created , click on the profile and Enter your Password of that particular user and click on continue as shown below.

The screenshot shows a mobile application interface for viewing profiles. At the top, there is a blue header with a hamburger menu icon and the text "Profiles". Below the header, there is a list of profiles. The first profile is highlighted with a blue background and contains the email address "demo@evpn.kerala.gov.in" with a person icon to its left. To the right of the email address is a vertical ellipsis menu icon.



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Login

Please enter credentials

demo

CONTINUE

7) Now you can see the turbo apps that have been assigned and you can initiate the process by clicking on any app .





ACCOPS HyClient Installation for Turbo setup on IOS

1) For IOS , Go to App Store and install Accops Hyclient app as shown below :



2) Once you install it , you will see the Accops Digital Workspace console as below



3) Enter the server address “ evpn.kerala.gov.in”



accops
Digital Workspace

Add a profile to get started

Server address
evpn.kerala.gov.in

Select Organization
Default

Username
Username

Password
Password

Save password

Select Org > Enter Cred > Click on Add

4) Enter the Username and Password and then click continue. Your profile will get saved .

5) Once you enter the below screen , you will get a pop-up of allowing the VPN to connect. So click on Allow. Now select the profile and then sign in through the user and enter the password . You will see Apps published in the console screen.



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6) Check turbo status from status tab



7) Select Web for web apps and then when you click on any app , you will launch it and you need to enter the credentials for that app. Here it is shown for “ctax” app :



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