Name of the Document		Configuring VPN in Ubuntu if user name is not prefilled		
Classification	General	Audience NIC VPN User		
Version	1	Date of last change	6 Feb 2018	

Manual for Configuring Cisco AnyConnect Secure Mobility Client in Ubuntu if user name is not prefilled

 Download the DSC mailed to you by VPN Support (vpnservices@nic.in), save it on your computer & extract it.

https://vpn.nicin	Government of India	
	About Us Sarviess Forms & Polley Menucula Virtual Pr and secu etworks users to Access IDC Server also user under var	Software Sontext Us VPN Client for Vindows 7 VPN Client for Linux 32-bit VPN Client for Linux 64-bit cal VPN Client for Linux 64-bit ate VPN Client for Linux 64-bit of MoserBaer Token Driver for ate Windows 32-bit of MoserBaer Token Driver for ate StarKey Cut Driver for Windows on Gemalto Driver for Windows (new) on
	Browser's compatibility: IE 9 and above	Gemaito Driver for Windows (old)
	Preleased, leaving them vulnerable. VPN services will not be available on Windows XP and Windows Vista For any issue please log your complaint through our website NIC Service Desk or call us on ONLINE VPN APPLYING PROCESS	VPN Client for linux 4.5 VPN Client for Mac4.5

2. Open terminal as a super user(su) & install the package as given below



3. Press y as below screen shot



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4. Package is installed on your system now as given below

Do you accept the terms in the license agreement? [y/n] y You have accepted the license agreement. Please wait while Cisco AnyConnect Secure Mobility Client is being installed... Starting Cisco AnyConnect Secure Mobility Client Agent... Done! root@dinker-WSG64115W7E-0002:/home/dinker/Downloads/anyconnect-linux64-4.5.02033/vpn#

In order to connect through the VPN, follow the below steps

1. First download the root certificate to desktop as given below

	About Us Sarvisas	Forms & Policy	nuala Sañwara Cansari Va
		NIC VPN Policy	
	my	How to enable Java in web- browser	About NIC VPN Services
Access	ing E-Gov GOV	Digital Certificate Form (NICCA)	Intual Private Network is most economical
Applio	eauons Htt सरकार mygounicin	Terms and Conditions	etworks over Internet. VPN helps mobile
	A M	Step by Step procedure of Online Registration	etwork from Internet. NIC VPN Service is sed by government officials to update heir web sites and remote management of
		Guidelines for online Registration	he servers hosted in NIC IDCs as well as ccess Intranet applications.VPN Services
		Bulk VPN Application Form	lso used to access secure application nder various E-GOV project.
	Gri Child Education	CCA India Root Certificate	
	0000	NIC CA Root Certificate	
Browser's compatit	bility: IE 9 and above	NIC sub-CA Root Centrone	
Kindly upgrade Wind released, leaving the	dows XP and Windows Vista as Microsoft has s em vulnerable. VPN services will not be availab	VPNCA Root Certificate	or these operating systems are no longer ws Vista clients from January 31, 2018.
For any i	issue piease log your complaint through our w	CR Form	in us on our tonnee 1000-111-555
	ONLINE VPN .	GRYDIN	

- 2. Download the certificate to desktop which is received from vpnservices@nic.in
- 3. Make ready your password which is received from vpnservices@nic.in
- 4. Make ready your private key which is received by SMS in your mobile
- 5. Open terminal & login with super user

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root@dinker-WSG64115W7E-0002: /home/dinker/Desktop

 dinker@dinker-WSG64115W7E-0002:~\$ su
Password:
 root@dinker-WSG64115W7E-0002:/home/dinker# cd Desktop/
 root@dinker-WSG64115W7E-0002:/home/dinker/Desktop#

6. convert private key to .key format by using following command root@dinker-WSG64115W7E-0002:/home/ubuntu# cd Desktop/ root@dinker-WSG64115W7E-0002:/home/ubuntu/Desktop# openssl pkcs12 -in TestCert.pfx -nocerts -out TestCert.key

Note:TestCert.pfx is certificate which you have received in your mail from vpnservices@nic.in

Enter the Private key received on mobile as given below



Enter the Password received on the mail as given below





 convert .pfx file to .pem format by using following command root@dinker-WSG64115W7E-0002:/home/ubuntu/Desktop# root@dinker-WSG64115W7E-0002:/home/ubuntu/Desktop# openssl pkcs12 -in TestCert.pfx -out TestCert.pem

Enter the Private key received on mobile as given below

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Э	ot@c	Jinker-WSG64115W7E-0002: /home/dinker/Desktop
	Q	dinker@dinker-WSG64115W7E-0002:-\$ su Password: root@dinker-WSG64115W7E-0002:/home/dinker# cd Desktop/
		rootgainker-wsuo4115w/E-0002:/nome/ainker/Desktop# openssi pkCs12 -in Testlert.ptx -nocerts -out Testlert.key Enter Import Password: MAC verified OK
		Enter PEM pass phrase: Verifying - Enter PEM pass phrase:
		Footgdthker-MSG6411SM/E-0002:/home/dthker/Desktop# openssl pkcs12 -in TestCert.pfx -out TestCert.pem Enter Import Password:

Enter the Password received on the mail as given below

root@dinker.WSG64115W7F.0002' /home/dinker/Deskton
<pre>Noted unker-wSGG4115W7E-0002:/home/dinker/Desktop Password: rootgdinker-wSGG4115W7E-0002:/home/dinker# cd Desktop/ rootgdinker-wSGG4115W7E-0002:/home/dinker/Desktop# openssl pkcs12 -in TestCert.pfx -nocerts -out TestCert.key Enter Import Password: Mac verifying - Enter PEM pass phrase: verifying - Enter PEM pass phrase: Inter Import Password: Mac verified 0K Enter PEM pass phrase: Mac verified 0K Enter PEM pass phrase:</pre>
ot@dinker-WSG64115W7F-0002: /home/dinker/Deskton
A Password:
root@dinker-WSG64115W7E-0002:/home/dinker# cd Desktop/
root@dinker-WSG64115W7E-0002:/home/dinker/Desktop# openssl pkcs12 -in TestCert.pfx -out TestCert.pem
Enter Import Password:
First PER pass phrase:
Verifying - Enter PEM pass phrase:
root@dinker-WSG64115W7E-0002:/home/dinker/Desktop#

8. convert vpnca-root.cer to vpnca-root.pem by using following command

root@dinker-WSG64115W7E-0002:/home/ubuntu/Desktop# openssl pkcs12 -in vpncaroot.cer -out vpnca-root.pem



9. Create directory & sub directory under opt/cisco then copy vpnca-root.pem file to below path

```
root@dinker-WSG64115W7E-0002:/#
root@dinker-WSG64115W7E-0002:/# cd opt
root@dinker-WSG64115W7E-0002:/opt# cd ./.cisco
root@dinker-WSG64115W7E-0002:/opt/.cisco#
```

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root@dinker-WSG64115W7E-0002:/opt/.cisco#mkdir certificates root@dinker-WSG64115W7E-0002:/opt/.cisco#cd certificates root@dinker-WSG64115W7E-0002:/opt/.cisco/certificates#mkdir ca root@dinker-WSG64115W7E-0002:/opt/.cisco/certificates/ca# root@dinker-WSG64115W7E-0002:/opt/.cisco/certificates/ca#cp /home/dinker/Desktop/vpnca-root.pem vpnca-root.pem

10. Create Sub Directory under certificates & run below Command to copy converted client certificate TestCert.pem to below directory

root@dinker-WSG64115W7E-0002:/opt/.cisco/certificates#mkdir client root@dinker-WSG64115W7E-0002:/opt/.cisco/certificates#cd client root@dinker-WSG64115W7E-0002:/opt/.cisco/certificates/client# root@dinker-WSG64115W7E-0002:/opt/.cisco/certificates/client#cp /home/dinker/Desktop/TestCert.pem TestCert.pem

11. Create Sub Directory under client & run below Command to copy converted private key file to below directory:

root@dinker-WSG64115W7E-0002:/opt/.cisco/certificates/client# mkdir private root@dinker-WSG64115W7E-0002:/opt/.cisco/certificates/client#cd private root@dinker-WSG64115W7E-0002:/opt/.cisco/certificates/client/private# root@dinker-WSG64115W7E-0002:/opt/.cisco/certificates/client/private# cp /home/dinker/Desktop/TestCert.key TestCert.key

12. Now open cisco any connect mobility client

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😕 😑 🔳 🛛 Cisco /	AnyConnect Se	ecure Mobili	ity Client		
Connection	Statistics	🙈 About			
	· · · ·	ISCO			
Connect to:				•	0
	N.	Connect			

13. Write sconnect.nic.in as given below

😝 😑 🗉 Cisco AnyConnect Secure Mobility Client
🎕 Connection 🚯 Statistics 🚔 About
cisco
Connect to: sconnect.nic.in
🗞 Connect

14. Select connect anyway as given below

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15. Enter the private key received by sms as given below

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😣 🗐 🗊 Cisco /	AnyConnect Se	ecure Mobili	ity Client
🗞 Connection	Statistics	🙈 About	
	ı ا د	 ISCO	
Connect to:	connect.nic.in		•
Password			
4	Λ Ú		
		Connect	
Please enter your	Certificate sto	re password	•

16. Enter the password receive from vpnservices@nic.in

😣 🗖 🗊 Cisco	AnyConnect Secure Mobility Client
🗞 Connection	🚯 Statistics 🔒 About
	cisco
Connect to:	sconnect.nic.in
Username: T	ESTCERT/61D3D54C00040000B82B
Password:	
	Connect
Please enter you	ır username and password.

17. VPN will be connected in a minute