



Classification: Restricted

National Data Center

NDC VPN security existing CA Certificate Renewal Process

NDC VPN Security Existing CA Certificate Class-II Renewal
Procedure



Bangladesh Computer Council
Information and Communication Technology Division

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1. Necessary CA Certificate related software and pre-requisite software download link

Pre-requisite Software:

1. BCC CA Client
2. Windows Operating System Based Work Station
3. BCC CA Certificate Installer
4. UniVPN-win-full-10781.5.0.0825 (vpn client software)

Required software Download link:

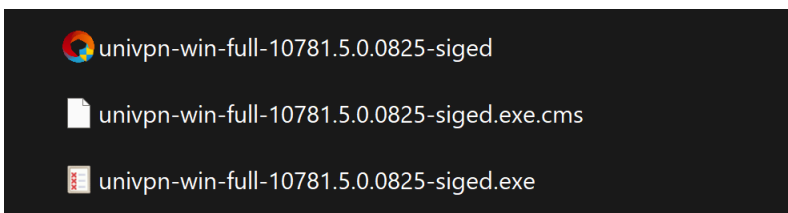
1. BCC CA Client: <https://www.bcc-ca.gov.bd/media/content/5001>
2. BCC CA Certificate Installer: <https://www.bcc-ca.gov.bd/media/content/10019>
3. UniVPN Client download links
Windows: <https://drive.egovcloud.gov.bd/index.php/s/opN7TJmJzbGQrq?path=%2FWindows>

Instructions:

1. Required software must be downloaded and installed in the machine or terminal or laptop from where customer need to access NDC services

Utility Software	Acts and Policies	Documents	CA Certificates	PKI Token Driver
50	records	Search:		
File Name	Details	Modified At	Download	
Root_BCC_SUB-CA Certificates 2020	Root CA Certificate 2018 BCC CA Certificate 2020 SubCA Certificates 2020	01-Oct-2020 05:24 PM	Download	
OLD_RootCA_CA_SUB_CA Certificates_2016	Root CA Certificate 2016 BCC CA Certificate 2016 SUB CA Certificates 2016	26-Aug-2020 12:56 PM	Download	
BCC CA Certificate Installer	BCC CA Certificate Installer	08-Dec-2021 10:34 AM	Download	

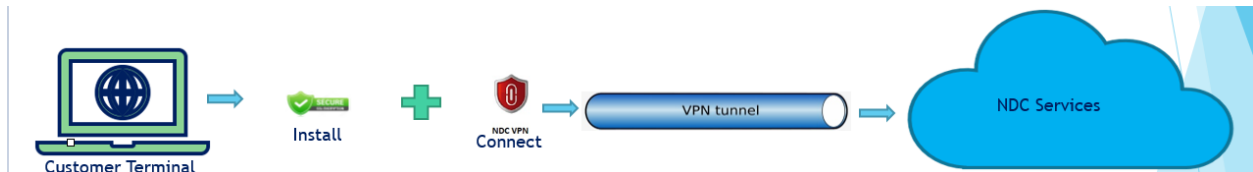
Utility Software	Acts and Policies	Documents	CA Certificates	PKI Token Driver
50	records	Search:		
File Name	Details	Modified At	Download	
PDF Signer	Using this software you can easily sign any pdf document.	29-Oct-2019 04:37 PM	Download	
BCC CA Client	This installer is required for certificate generation.	26-Jun-2019 03:10 PM	Download	
Police Training Materials	All necessary tools and manuals for online police clearance.	28-Dec-2021 06:04 PM	Download	
Police Support	To resolve BCC CA Client and LSS Problem	31-Aug-2021 02:52 PM	Download	



2. CA certificate expiry notification

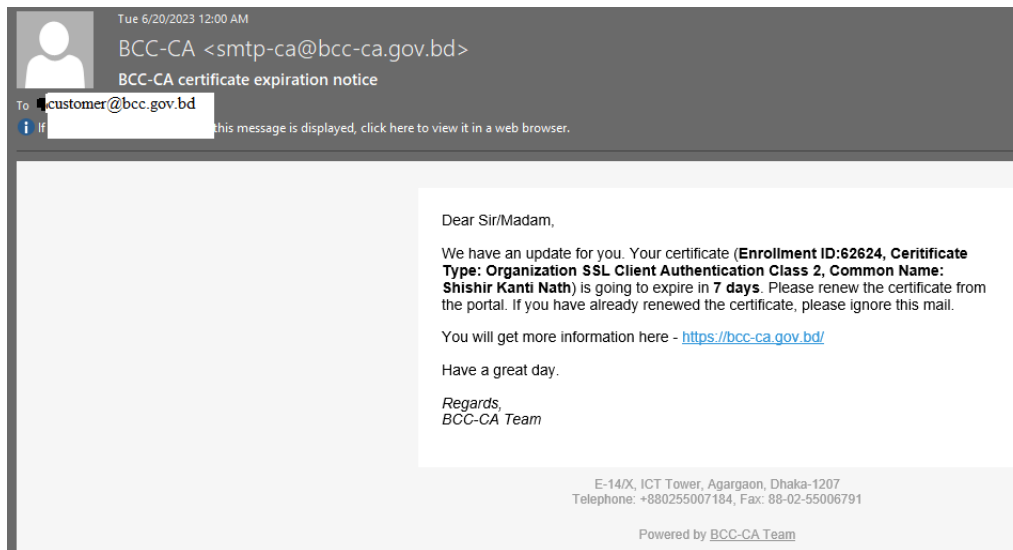
BCC NDC Team is using 2 factor Authentication to securing vpn tunnel connection.

- SSL certificate (type-II)
- Vpn authentication for every single vpn user



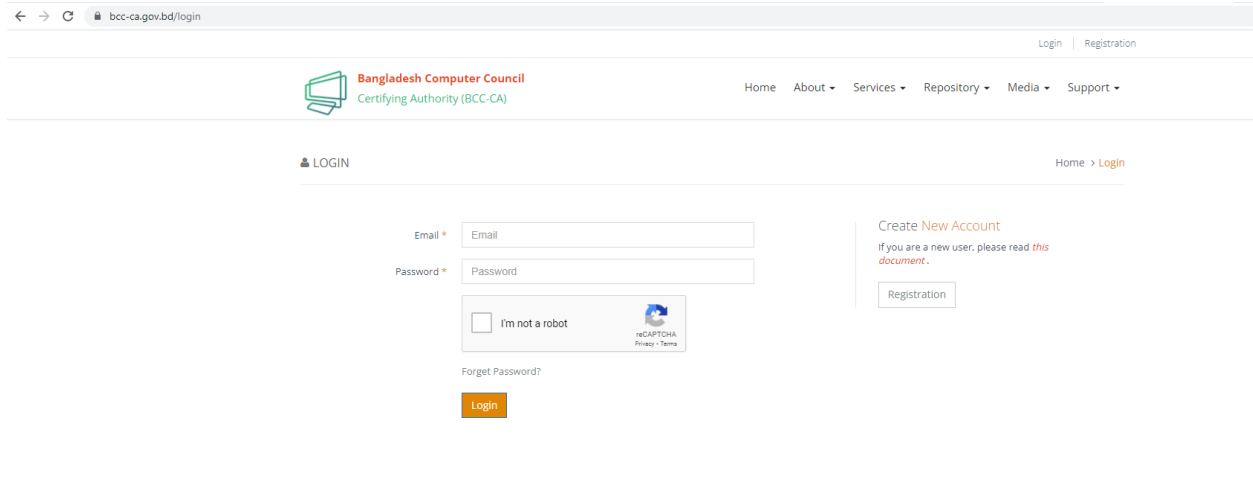
After enrollment customer can use the CA certificate for 1 year. BCC CA SSL certificate type-II is used to ensure NDC VPN client security.

After 1-year of usage, customer will get notification in the last 30 days through email from BCC CA about certificate expiration.



3. Update Enrollment

BCC CA Login Link : <https://bcc-ca.gov.bd/login>



The screenshot displays the login interface for the Bangladesh Computer Council (BCC-CA). At the top, the BCC-CA logo and name are visible, along with a navigation menu. The main content area is titled 'LOGIN' and contains a form with the following elements:

- Email ***: A text input field.
- Password ***: A text input field.
- reCAPTCHA**: A checkbox labeled 'I'm not a robot' with a reCAPTCHA logo and links for 'Privacy' and 'Terms'.
- Forget Password?**: A link below the reCAPTCHA.
- Login**: An orange button.
- Create New Account**: A link to the right of the form.
- Registration**: A button to the right of the form.

Additional text on the right side of the form reads: 'If you are a new user, please read [this document](#).'

Login to above BCC CA site with his existing registered Email and credentials.

Pre-requisite for BCC CA Certificate Renewal:

- Existing BCC CA customer can do renewal certificate
- Customer must have a registration in BCC CA Site with his Government Email ID
- After getting the existing BCC CA Certificate type-II expiration email notification customer can apply for renewal the Certificate
- Customer need to do renew his certificate every year with his new promo-code
- Customer will get notification of Certificate Expiration before 30 days of expiry
- If certificate is destroyed in any unwanted (**OS Crush/mistakenly delete the certificate/lost the device**) situation, then customer need to apply for a new certificate
- Customer need to install the certificate in windows work station

After successfully login to BCC-CA site. Go to [Home>Enrollments](#) option like below image

Home > Enrollments

10 records Search:

Serial No	Type	Common name	Current Status	Action
62624	Organization SSL Client Authentication Class 2	Shishir Kanti Nath	Certificate Issued	Install Renew Download Form
62623	Organization Identification Class 2	Shishir Nath	Payment Required	Payment Download Form
60610	Organization SSL Client Authentication Class 2	Shishir Nath	Certificate Issued	Install Download Form
59801	Organization SSL Client Authentication Class 2	Shishir Nath	Certificate Issued	Install Download Form
59409	Organization Email Class 2	Shishir Nath	Certificate Issued	Install Download Form
59251	Organization Email Class 2	Shishir Nath	Generate Key Pair	Generate PK Download Form

From the above image you can apply for renew the existing CA Certificate type-II. In the below image [Serial No 62624](#) is an existing application which is about to expire. In the right side of [Serial No 62624](#) in [Action](#) area you'll get option to apply for [Renew](#) CA certificate type-II. Click the [Renew](#) option to renew your certificate

Serial No	Type	Common name	Current Status	Action
62624	Organization SSL Client Authentication Class 2	Shishir Kanti Nath	Certificate Issued	Install Renew Download Form

After clicking the [Renew](#) button a confirmation message will appear in the system like below screenshot

Are you sure to renew this certificate? ×

[No](#) [Yes](#)

After confirming the message box by clicking [Yes](#) button a New PassPhrase option will appear like below screenshot:

Renew Certificate (Serial #62624) ×

New PassPhrase
Only letters and numbers are allowed (Minimum size: 4)

Confirm PassPhrase

In the above [Renew Certificate](#) dialog BOX in this case Serial # 62624 input 4-digit numeric digit as a [New PassPhrase](#) and also repeat the same 4-digit numeric digit [Confirm PassPhrase](#) to renew the certificate. After set the PassPhrase click [Submit](#) button to finish the task.

After submitting the renewal certificate, system will appear to verify the customer NID and Date of Birth. Please input your NID number in [National Identity Number\(NID\)*](#) field and inputting Date of Birth according to NID in [Date of Birth*](#) Area, customer need to upload a profile picture in the system and also need to click [Submit](#) button to finish the task.

Please verify your NID first

Home > Update account

* marked fields are mandatory

Home

New Enrollment

Bills & Payments

Certificates

Revocation List

Update Profile

Update Password

Payment Codes

National Identity Number (NID) * 96XYZTWQE1

Date of Birth * DD-MM-YYYY

Birth Registration Number (BRN) 17 digit BRN

Email * customer@bcc.gov.bd ACTIVE

Mobile Number * +880 1974-

Photo/Profile picture *
Choose File No file chosen
Please upload a picture. Existing photo will be replaced

After submitting for NID verification, click the [Renew](#) button to complete the process.

Serial No	Type	Common name	Current Status	Action
62624	Organization SSL Client Authentication Class 2	Shishir Kanti Nath	Certificate Issued	Install Renew Download Form

After Renewal process, a confirmation message(in here click [Yes](#) to finish the task) will appear to generate Pk file.

×

Are you sure to renew this certificate?

No
Yes

After submitting for successful application [Generate PK](#) option will appear. You've to do this operation in machine where you want to install the vpn.

Serial No	Type	Common name	Current Status	Action
63719	Organization SSL Client Authentication Class 2	Shishir Kanti Nath	Generate Key Pair	Generate PK Download Form

Note: Before Generating PK file you need to install BCC CA Client software in that machine.

Now to generate Key-Pair click [Yes](#) button to confirm the request.

×

Do you want to generate Key-Pair?

No
Yes

After generating the PK file in the system a successful message will appear like below dialog box

×

Congratulations!!! Key is generated successfully

OK

4. Payment Process

After successful PK file generation customer will get an email to pay the bill for renewal enrollment.

BCC-CA CSR notification

BCC-CA

To: customer@bcc.gov.bd

Dear Sir/Madam,

Your CSR for enrollment (#63719) is uploaded in BCC-CA portal. Now you can pay for the enrollment.

You will get more information here - <https://bcc-ca.gov.bd/>

Have a great day.

Regards,
BCC-CA Team

E-14/X, ICT Tower, Agargaon, Dhaka-1207
Telephone: +880255007184, Fax: 88-02-55006791
Powered by [BCC-CA Team](#)

Now go to [Home](#)>[Enrollments](#) option like below image enrollment request in [Action](#) area, click the [Payment](#) option to pay the bill for renewal.

10 records Search:

Serial No	Type	Common name	Current Status	Action
63719	Organization SSL Client Authentication Class 2	Shishir Kanti Nath	Payment Required	Payment Download Form

5. Payment Option:

You'll get two option to pay like below screenshot after clicking [Payment](#) method from above screenshot

- a) Pay Online (red marked in below screenshot)
- b) BCC Payment Code (green marked in below screenshot)

Enrollment Details(# 63719)	
Customer Name	Shishir Kanti Nath
Common Name(CN)	Shishir Kanti Nath
Certificate Type	Organization SSL Client Authentication Class 2
Email	customer@bcc.gov.bd
Mobile no	+8801XXXXXXXX09
City	Dhaka
Postcode	1207
Country	BD

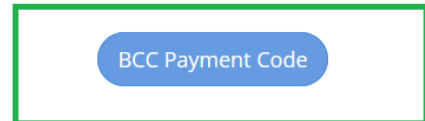
Do you want to pay for Smart Card / Dongle too?

Bill Details (# 33852)			
Type	Price	VAT	Total
Digital Certificate	500.00	75.00	575.00
Smart Card / Dongle	0.00	0.00	0.00
Total Payable Amount			575.00 BDT

Pay with



Credit/Debit Card/MobileBanking/NetBanking/bKash



b) BCC Payment Code (green marked in below screenshot)

If customer want to pay the bill manually in bank through cash payment or cheque payment, then you should select this option to update your payment.

SSL certificate price list: <https://www.bcc-ca.gov.bd/media/content/10015>

Class	Certificate Type	Usage	Digital Certificate Purchase Rate	Category
Class 2	Organization	SSL Client Certificate	500	only for Government Employee
Class 2	Organization	SSL Client Certificate	3000	for other Employee

**** VAT(5%) and TAX(10%) will be applicable with SSL certificate price**

Payment information to do payment through manual process(cash or bank-cheque)	
Bank Account Name	Bangladesh Computer Council CA
Bank Account Number	002011100005675
Bank Information	Southeast Bank Limited, Agargaon, Sher-e-Bangla Nagar, Dhaka

After doing the payment to bank, you need to mail the **scanned copy of bank receipt** to support@bcc-ca.gov.bd to get promo-code from BCC CA department.

After getting the promo-code from BCC CA department you'll get notification through email from sntp-ca@bcc-ca.gov.bd .

BCC-CA Payment Code

BCC-CA

To: customer@bcc.gov.bd

Dear Sir/Madam,

Your BCC-CA Payment Code is:
null

. You can redeem upto BDT 575.0 using this code. Check your codes - <https://bcc-ca.gov.bd/account/my-promos>

You will get more information here - <https://bcc-ca.gov.bd/>

Have a great day.


Regards,
BCC-CA Team

E-14/X, ICT Tower, Agargaon, Dhaka-1207
Telephone: +880255007184, Fax: 88-02-55006791
Powered by [BCC-CA Team](#)

Login to BCC-CA site with your user and credentials.

For promo-code collection

Promo-code link : <https://www.bcc-ca.gov.bd/account/my-promos>



Bangladesh Computer Council
Certifying Authority (BCC-CA)

Home About Services Repository Media Support

Home > My Promocodes

10 records Search:

Promo Code	Credit	Status	Last Updated
BCCAB1CSB89	575.0	USED	2022-06-26 09:42:20.0
BCCDCB14C6E2	575.0	USED	2023-06-21 14:09:59.0

Showing 1 to 2 of 2 entries

- Home
- New Enrollment
- Bills & Payments
- Certificates
- Revocation List
- Update Profile
- Update Password
- Payment Codes**

Customer Name	Shishir Kanti Nath
Common Name(CN)	Shishir Kanti Nath
Certificate Type	Organization SSL Client Authentication Class 2
Email	customer@bcc.gov.bd
Mobile no	+8801XXXXXXXX09
City	Dhaka
Postcode	1207
Country	BD

Do you want to pay for Smart Card / Dongle too?

Type	Price	VAT	Total
Digital Certificate	500.00	75.00	575.00
Smart Card / Dongle	0.00	0.00	0.00
Total Payable Amount			575.00 BDT

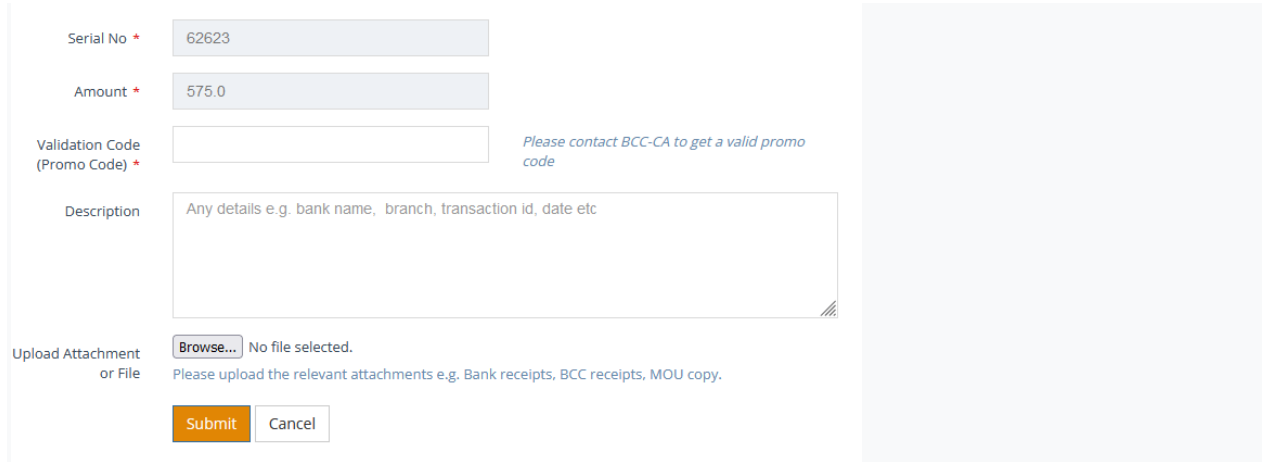
Pay with

Pay Online Verified by SSLCommerz

Credit/Debit Card/MobileBanking/NetBanking/bkash

BCC Payment Code

From Payment Codes copy unused Promo Code and then apply in below page [Validation Code\(Promo Code\)](#)* like below image-



Serial No * 62623

Amount * 575.0

Validation Code (Promo Code) * Please contact BCC-CA to get a valid promo code

Description Any details e.g. bank name, branch, transaction id, date etc

Upload Attachment or File No file selected. Please upload the relevant attachments e.g. Bank receipts, BCC receipts, MOU copy.

Also upload the bank receipt in the [Upload Attachment or File](#) area. After that press submit button to finish the submission task and you'll get the email notification about VA approval for the payment like below screenshot-

BCC-CA payment notification

BCC-CA

To: customer@bcc.gov.bd

Dear Sir/Madam,

Payment is received for enrollment (#63719) successfully. Please wait for VA approval after your payment.

You will get more information here - <https://bcc-ca.gov.bd/>

Have a great day.

Regards,
BCC-CA Team

E-14/X, ICT Tower, Agargaon, Dhaka-1207
Telephone: +880255007184, Fax: 88-02-55006791
Powered by [BCC-CA Team](#)

Success! Payment is received for enrollment (#63719) successfully. Please wait for VA approval after your payment.

Bill ID	Enrollment No	Amount	Payment Status	Description	Action	Created At
33852	63719	575.0	APPROVED	Payment is verified successfully		2023-06-21T09:56:42.090

After VA approval your enrollment is successfully and you'll get notification through email.

BCC-CA enrollment update
BCC-CA
To: shishir.nath@bcc.gov.bd

Dear Sir/Madam,

Good News!!! Your enrollment(#63719) has been verified by our Verification Authority(VA). Certificate will be issued by one of our Registration Authority(RA) shortly.

You will get more information here - <https://bcc-ca.gov.bd/>

Have a great day.

Regards,
BCC-CA Team

E-14/X, ICT Tower, Agargaon, Dhaka-1207
Telephone: +880255007184, Fax: 88-02-55006791
Powered by [BCC-CA Team](#)

After paying the bill below BCC-CA payment notification will be updated in the BCC-CA portal.

Serial No	Type	Common name	Current Status	Action
63719	Organization SSL Client Authentication Class 2	Shishir Kanti Nath	Verification Required	Download Form

After Registration Authority(RA) approval your certificate is ready to download and install

BCC-CA certificate notification
BCC-CA
To: customer@bcc.gov.bd

Dear Sir/Madam,

Congratulations!!! Your digital certificate has been issued for enrollment(#63719). Now, you can install it in your preferred keystore.

You will get more information here - <https://bcc-ca.gov.bd/>

Have a great day.

Regards,
BCC-CA Team

E-14/X, ICT Tower, Agargaon, Dhaka-1207
Telephone: +880255007184, Fax: 88-02-55006791
Powered by [BCC-CA Team](#)

Download and install the certificate in local machine where your UniVPN Client is already installed.

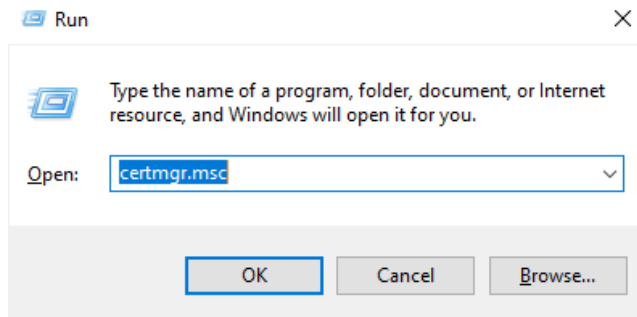
10 records Search:

Serial No	Type	Common name	Current Status	Action
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62623	Organization Identification Class 2	Shishir Nath	Payment Required	Payment Download Form
60610	Organization SSL Client Authentication Class 2	Shishir Nath	Certificate Issued	Install Download Form
59801	Organization SSL Client Authentication Class 2	Shishir Nath	Certificate Issued	Install Renew Download Form
59409	Organization Email Class 2	Shishir Nath	Certificate Issued	Install Renew Download Form
59251	Organization Email Class 2	Shishir Nath	Generate Key Pair	Generate PK Download Form

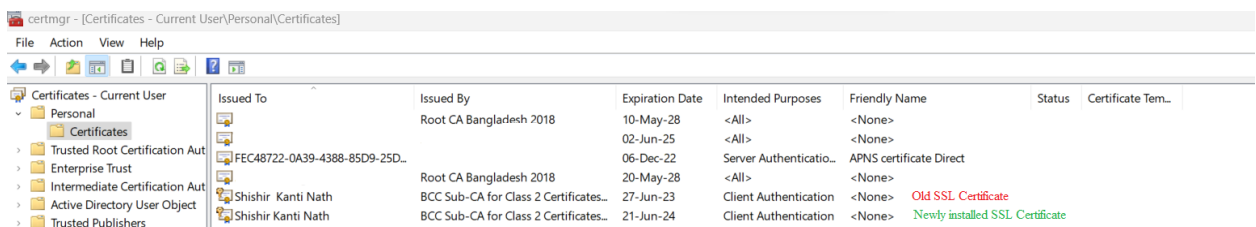
After installation you can check the new certificate by using below method –


Step -1 . press windows button +R from your keyboard button

Step -2 . then type certmgr.msc command and press enter like below screenshot



Step -3 . in the Certificates –Current User dialog box , select Personal and check your certificate name which is issued by BCC CA team



Also open NDC VPN Client UniVPN  in your machine and you'll find your certificate like below screenshot



Server Address: Automatic

Certificate:

Password:

Now you need the credentials for your vpn user. To create the VPN user and credentials need to mail the NDC vpn activation team .

Mail to datacenter mail (datacenter@bcc.gov.bd) by mentioning your CN or certificate Name and Service IP .

You'll get the credentials from datacenter@bcc.gov.bd after creating the vpn user .

For Online Payment Select BCC Payment Code Option Pay Online through SSL Commerz®

(Please check below screenshot red marked box option)

Enrollment Details(# 63719)	
Customer Name	Shishir Kanti Nath
Common Name(CN)	Shishir Kanti Nath
Certificate Type	Organization SSL Client Authentication Class 2
Email	customer@bcc.gov.bd
Mobile no	+8801XXXXXXXX09
City	Dhaka
Postcode	1207
Country	BD

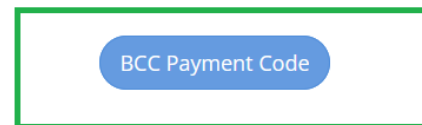
Do you want to pay for Smart Card / Dongle too?

Bill Details (# 33852)			
Type	Price	VAT	Total
Digital Certificate	500.00	75.00	575.00
Smart Card / Dongle	0.00	0.00	0.00
Total Payable Amount			575.00 BDT

Pay with



Credit/Debit Card/MobileBanking/NetBanking/bKash



From Pay Online you'll also 3 more option to pay the ca certificate bill

- Pay through Cards (VISA/Mastercard)
- Pay through Mobile Banking (bkash/rocket/nogod)
- Pay through Net Banking (internet banking)

The image shows a web browser window with the URL **bccagovbd**. The page header includes the logo for the Bangladesh Computer Council and the Bangladesh Computer Council (BCC) logo. Below the header, there are navigation links for **Support**, **FAQ**, **Offers**, and **Login**. A navigation bar below these links has three tabs: **CARDS** (highlighted in orange), **MOBILE BANKING**, and **NET BANKING**. The main content area is titled **VISA** and **Other Cards**. It contains a form with the following fields: **Enter Card Number**, **MM/YY**, **CVC/CVV** (with a small card icon), and **Card Holder Name**. At the bottom of the form, there is a checkbox labeled **Save card & remember me** and a help icon. Below the checkbox, there is a disclaimer: **By checking this box you agree to our Terms of Service which is limited to facilitating your payment to bccagovbd.**

Rest of certificate download and installation procedure are same like previous method.