

ČSOB BUSINESS CONNECTOR

PROCEDURE FOR CREATING A COMMUNICATION CERTIFICATE



www.csob.cz/ceb

This guide describes how to create a communication certificate for the ČSOB Business Connector API for cases when the application supplied by the bank is not used for communication with the API, but all communication is provided from ERP or other software and only a communication certificate is needed for the functionality itself.

The process of obtaining the communication certificate itself has the following steps:

- 1. Creating a certificate request in the application and saving it to the computer disk.
- 2. Uploading a certificate request to the portal and downloading the created certificate.
- 3. Pairing a downloaded certificate with private keys.

The easiest way to generate communication certificates without using Business Connector is by using the Windows tool certreq.exe.

To create a certificate request, you must first create a text file with a request template following the template below. To do this, use notepad (notepad.exe, not Word for example). Note that some editors insert an invisible BOM at the beginning of the file. Save the file as ASCII or UTF-8 without the BOM.

[NewRequest]
Subject="CN= <bc server="">, C=CZ"</bc>
KeySpec=1
HashAlgorithm=sha256
KeyLength=2048
UseExistingKeySet=FALSE
Exportable=TRUE
UserProtected=FALSE
MachineKeySet=FALSE
ProviderName="Microsoft RSA SChannel Cryptographic Provider"
ProviderType=12
RequestType=PKCS10
KeyUsage=0xa0
SMIME=False
SuppressDefaults=true
[EnhancedKeyUsageExtension]
0ID=1.3.6.1.5.5.7.3.2

In the template, specify the computer name on the Subject=line after the CN= characters. The name must not contain comma character (,) or quotation marks ("). This name will be included in the name of the issued certificate. Save the template file and name it e.g. BCcert.inf in the Documents folder.



Run the command prompt. At the command prompt, navigate to the directory where the certificate request template is stored and type "certreq -new NewRequest.inf NewRequest.req", this creates the certificate request. Upload this request to the CEB portal where it will generate a certificate.

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< Menu		Business C	onnector setting	s						🖶 Print
Security	>									
My permissions		Certificate rec	quest							
Personalization		Certificate	Select file							
Account settings		request *	reqCer20181207.req							
		Name *	Test certificate							

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CEB Info				1-
Business Connector		Back		Send
Service administration	>			

After logging into the service, go to Menu>Settings>Business Connector and select the Add button. Then use select File to upload the certificate request file, after pressing the Submit button a certificate will be created and ready for download.

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Security >		anaratad Vau as	an download the contificat	- Fla. Download partificate			
My permissions	The certificate has been successfully ge	eneraleu. You ca	an download the certificat				
Personalization	Your certificates						
Account settings	Add Request certificate						
CEB Info							
Business Connector	Serial num Name 125d Test certificate	Entity W2AB00KH	Issuer CEB Bus	Valid till 06.12.2020 14:01:29	Status active	Downloa	ad ""
Service administration >	Scroll to top						

To function properly, the Business Connector service must be enabled on the CEB portal for the required accounts, including the settings for downloading or uploading data.

You must download the finished certificate to the same computer where the request was created and pair the private keys with the downloaded certificate. This is done by opening the certificate file.

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	*		Název	Datum změny	Тур	Velikost		
le	*		👼 cert_2283	04.06.2021 11:00	Certifikát zabezpe	2 kB		
	*		🔬 NewRequest	04.06.2021 10:36	Instalační informa	1 kB		
	*		NewRequest.req	04.06.2021 10:37	Soubor REQ	1 kB		
	*							
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Certificate	×
General Details Certification Path	🔶 🐉 Certificate Import Wizard
Certificate Information	Welcome to the Certificate Import Wizard
Windows does not have enough information to verify this certificate.	 This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store.
	A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.
	Store Location © Current User User
Issued to: BC app 20240125	To continue, dick Next.
Issued by: CEB Business Connector CA	
Valid from 25.01.2024 to 24.01.2026	
	<u>N</u> ext Cancel
Install Certificate Issuer Statement	
•	
OK	
	×
🔗 Certificate Import Wizard	← 🛛 🐉 Certificate Import Wizard
Certificate Store Certificate stores are system areas where certificates are kept.	Completing the Certificate Import Wizard
Windows can automatically select a certificate store, or you can specify a location for the certificate.	The certificate will be imported after you click Finish.
Automatically select the certificate store based on the type of certificate Place all certificates in the following store	You have specified the following settings: Certificate Store Selected Automatically determined by the wizard Content Certificate
Certificate store:	
Next Can	cel Finish Cancel
Certificate Import Wizard X	
The import was successful.	
ОК	

This registers the certificate in Windows and pairs it with the private key so that it can be used on that particular computer. If a certificate in PKCS #12 format is needed to register for Services, or to transfer to another PC, then follow the section. Export the certificate using the system tool.

EXPORT THE CERTIFICATE USING THE SYSTEM TOOL.

Start Manage user certificates, either through the start menu, or the certmgr command at the command prompt.

In certificate management, under Personal Certificates, find the newly created certificate.

🚟 certmgr - [Certificates - Current	>	×						
File Action View Help	File Action View Help							
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Certificates - Current User Personal Certificates Trusted Root Certification Enterprise Trust Certificates Certificates Certification Active Directory User Obje Crusted Publishers Untrusted Certificates Current Publishers Current Publishers Crusted Publishers Current Publishers	ssued To	Issued By CEB Business Connector CA CEB Business Connector CA	Expiration Date 24.01.2026 04.04.2026	<				
Personal store contains 25 certificates	•							

Open this certificate and then export it, including the private keys.

🙀 Certificate	X Certificate	×
General Details Certification Path	General Details Certification Path	
Certificate Information	Show: <all></all>	
Windows does not have enough information to verify this certificate.	 Field Value Value Version V3 Serial number 5179 Signature algorithm sha256RSA Signature hash algorithm sha256 Issuer CEB Business Connect Valid from pátek 26. ledna 2024 Valid to peděla 25. ledna 2024 	tor CA, Č
Issued to: BC app 20240126	Bubiect BC - 20857 BC ann 2	0240126 Y
Issued by: CEB Business Connector CA		
Valid from 26.01.2024 to 25.01.2026 P You have a private key that corresponds to this certificate.		
Issuer Statement	Edit Properties	Copy to File
OK		ОК

Welcome to the Certificate Export Wizard	Export Private Key You can choose to export the private key with the certificate.
This wizard helps you copy certificates, certificate trust lists and certificate revocation lists from a certificate store to your disk. A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept. To continue, dick Next.	Private keys are password protected. If you want to export the private key with the certificate, you must type a password on a later page. Do you want to export the private key with the certificate?
Next Cancel	Next Cancel
 Ertificate Export Wizard 	 Ertificate Export Wizard
Export File Format Certificates can be exported in a variety of file formats.	Security To maintain security, you must protect the private key to a security principal or by using a password.
Select the format you want to use: DER encoded binary X.509 (.CER) Base-64 encoded X.509 (.CER) Cryptographic Message Syntax Standard - PKCS #7 Certificates (.P78) Include all certificates in the certification path if possible Personal Information Exchange - PKCS #12 (.PFX) Include all certificates in the certification path if possible Delete the private key if the export is successful Delete the private key if the export is successful Export all extended properties Enable certificate privacy Microsoft Serialized Certificate Store (.SST)	Group or user names (recommended) Add Remove Password: Confirm password: Encryption: TripleDES-SHA1 ∨
Next Cancel	Next Cancel

← 🛛 🔗 Certificate Export Wizard	<
File to Export Specify the name of the file you want to export	Completing the Certificate Export Wizard
File name:	You have successfully completed the Certificate Export wizard.
C:\Users\Default\Desktop\test cert.pfx Browse	You have specified the following settings: File Name C:\Users\Default\Desktop\test cert.pf Export Keys Include all certificates in the certification path Yes File Format Personal Information Exchange (*,pfx)
Next Cancel	Finish Cancel
Certificate Export Wizard X The export was successful.	
ОК	