## Instructions for the installation of a software for communication with coded messages - GPG4win

If you have problems using Outlook, other e-mail providers can be used (Gmail, Yahoo, Icloud, etc).

For digital signing and encrypting of e-mails, the GPG4win program can be installed.

PG Win	About Gpg4win	Documentation	Community	Support	Donate
Download	Zeen Essier	Anache Zetflah Estus Einzekogen Ferzer H anache Zetflah zuormen Beakerr Winder der einzekon Zetflah zuormen Beakerr Winder Zet- einzekon Ester numminge Zetflahzte ENVE OZIS Semetriczen 2011	2010 2010 s J Drum sudes votraceswidge Zetfless votraceswidge Zetfless		2.2.3 released
Gpg4win Change History - Check integrity		GPG		2014-08-14 Gpg4win released	2.2.2 released 2.2.2-beta

Please download GPG4win from <u>http://gpg4win.org/</u> by clicking on the green field Download Gpg4win, then start the file with administrator privileges.







This warning appears if you do not have administrator privileges.

😌 Gpg4win Setup						
	Choose Components Choose which features of Gpg4win you want to install.					
Check the components you install. Click Next to continu	ı want to install and uncheck the com ue.	ponents you don't want to				
Select components to insta	II: V Kleopatra GPA V GpgOL V GpgEX Claws-Mail V Gpg4win Compendium	Description Position your mouse over a component to see its description.				
Space required: 98.4MB						
Nullsoft Install System v2,46-)	7	Next > Cancel				

😍 Gpg4win Setup		×
Gro O	Choose Install Location Choose the folder in which to install Gpg4win.	
Setup will install Gpg4win in and select another folder. (	the following folder. To install in a different folder, click Browse lick Next to continue.	
Destination Folder	inuPG Browse	
Space required: 98.4MB Space available: 54.7GB		
Nullsoft Install System v2.46-7	< <u>B</u> ack <u>N</u> ext > Cancel	
🔁 Gpg4win Setup		×
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😍 Gpg4win Setup			_ 🗆 🗵
Choose Start I Choose a Start	<b>Menu Folder</b> Menu folder for th	ne Gpg4win shorti	cuts.
Select the Start Menu folder in which you wo can also enter a name to create a new folder		he program's sho	rtcuts. You
Gpg4win			
Accessories Administrative Tools Borland Delphi 7 Datakey CIP Entrust Games JMulTi McAfee Microsoft Office Microsoft Office Microsoft Silverlight Microsoft System Center 2012			
Nullsoft Install System v2.46-7			
	< <u>B</u> ack	Install	Cancel
Creation Setup	e Gpg4win is being	ı installed.	
Extract: preferences-system-network.png			
Show details			
Nullsoft Install System v2.46-7			
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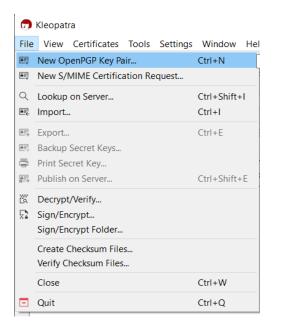
When you start Outlook, the following messages may appear:

GpgOL	×
(i)	Welcome to GpgOL
~	1.2.1GpgOL adds integrated OpenPGP and S/MIME encryption and digital signing support to Outlook 2003 and 2007.
	Although we tested this software extensively, we can't give you any guarantee that it will work as expected. The programming interface we are using has not been properly documented by Microsoft and thus the functionality of GpgOL may cease to work with an update of your Windows system.
	WE STRONGLY ADVISE TO RUN ENCRYPTION TESTS BEFORE YOU START TO USE GPGOL ON ANY SENSITIVE DATA!
	There are some known problems, the most severe being that sending encrypted or signed mails using an Exchange based account does not work. Using GpgOL along with other Outlook plugins may in some cases not work.
<b>C D</b>	
GpgOL	× ×
(i)	You have installed a new version of GpgOL.
~	Please open the option dialog and confirm that the settings are correct for your needs. The option dialog can be found in the main menu at: Extras->Options->GpgOL.
	ОК

Then you need to start the Kleopatra application:

Q	Kleopat	tra										_		×
Fi	e View	Certificates	Tools S	ettings	Window	Help								
Sig	n/Encrypt	La Decrypt/Verify	Import		Certify	Q Lookup on Server	<b>≜</b> ≡ Certificates	E. Notepad	E Smartcards					
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	All C	ertificates										_		$\otimes$
		Name				E-Mail		User-ID	s Valid From	Valid Until	Key-ID			

Please select the fields File, then New OpenPGP Key Pair.



## 큤 Kleopatra

File	View	Certificates	Tools	Settings	Wi
	ncrypt	<u>لنم</u> Decrypt/Verify		Export	. Cei
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	Name				
	Test				
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	Testing@	⊇nbrm.mk			
	Prot	ect the generated l	key with a	passphrase.	
			Adva	anced Setting:	s
		ОК		Cancel	

🗇 Kleopatra						
le View Certificates Tools			-			
gn/Encrypt Decrypt/Verify Impo		icates Notepad Sn	martcards			
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Search <alt+q></alt+q>						All C
All Certificates						
Name	E-Mail			Valid Until	Key-ID	
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Test	Testing@nbrm.mk	certifier	• • • • • • • • • • • • • • • • • • •	12 12 2	0706 EDE1 344	
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			Print Sec		Ctrl+Sł	nift+{
		Ę	Details			

Please select Kleopatra, File, Export Certificates:

You should send this exported certificate to the responsible officer in the National Bank with whom you should communicate through coded messages at ukazuvanje@nbrm.mk .

When you download the certificate from the link https://www.nbrm.mk/ovlasteno-lice-za-priemna-prijavi-od-ukazuvaci.nspx, you need to import it with the Kleopatra application: File, Import certificates, Select Certificate File.

By right-clicking on it, please select Certify Certificate:

gn/Encrypt Decrypt/Verify Import.		■ Q ort Certify Lookup on Server	E E
Search <alt+q></alt+q>			
All Certificates		E-Mail	User-IE certifie not cert
			certifie
Ukazuvanje NBRSM Test	Æ	Certify	cortifie
	at.	Revoke Certification Trust Root Certificate Distrust Root Certificate Change Certification Trust	
		Change End of Validity Period Change Passphrase Add User ID	
		Revoke Certificate Delete	Del
		Export Backup Secret Keys Print Secret Key	Ctrl+E
?]		Publish on Server Details	Ctrl+Shift+E

ingerprint:	D58A 65BA 0448 F	C96 52BF FD1A 7EF6 5802 50CE 65BA	
Certify with:		certified, created: 09.12.2022)	~

To send a signed and encrypted e-mail, the following steps should be followed:

1. By right-clicking on the file that you need to encrypt, please select Sign and Encrypt.

Test.		Open	
		Print	
		Edit	
	6	Sign and encrypt	
		More GpgEX options	>
	k	Scan for viruses	
	k	Check reputation in KSN	
	È	Share	
		Open with	>
		Give access to	> >
	0	Zipware	>
		Restore previous versions	
		Send to	>
		Cut	
		Сору	
		Create shortcut	
		Delete	
		Rename	

2. In the field Encrypt for others, you need to request the certificate on Indication and click on Sign/Encrypt.

🗑 Sign/Encrypt Fil	es - Kleopat	ra			?	$\times$
Sign / Encrypt	t Files					
Prove authenticity (sign)						
Sign as:	<b>~</b>	> (ce	rtified, created: 09.12	2.2022)		$\sim$
Encrypt						
Encrypt for me:	<b>V</b>	(ce	rtified, created: 09.12	2.2022)		$\sim$
Encrypt for others:	Vkazuvar	ije NBRSM <ukazuvar< td=""><td>nje@nbrm.mk&gt; (certifi</td><td>ed, OpenPGP, created</td><td>13.: 🗙</td><td><b>●</b> <u>→</u>+</td></ukazuvar<>	nje@nbrm.mk> (certifi	ed, OpenPGP, created	13.: 🗙	<b>●</b> <u>→</u> +
	Please en	ter a name or email a	ddress			<b>≜</b> ∓
Encrypt with passwor	rd. Anvone you s	hare the nassword wi	th can read the data			
	an Anyone you a					
Output						
Output files/folder:						
C:/User: Jes	ktop/Test.txt.gpg	)			×	
Encrypt / Sign each fi	ile separately.					
				Sign / Encrypt	Cance	2

3. At the end, please click on Finish.

👦 Sign/Encrypt Files - Kleopatra	?	×
Results Status and progress of the crypto operations is shown here.		
OpenPGP: All operations completed.		
Test.txt → Test.txt.gpg: <b>Signing and encryption succeeded.</b>		
Finish	Can	cel

4. After the file is encrypted, it is added as an attachment to the e-mail and is sent to the following e-mail ukazuvanje@nbrm.mk.

**Note**: The encrypted file and the certificate should not be sent in the same message. It is recommended that they be sent within 10 minutes from each other.