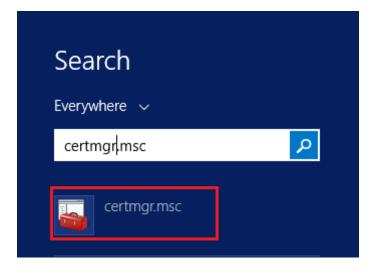
## Backup of the certificate with private key in Windows 8

Click on key Start, and write certmgr.msc and then click on searched icon



## In certmgr click on Personal/Certificates

🚋 certmgr - [Certificates - Current User\Personal] —		
File Action View Help		
<ul> <li>Certificates - Current User</li> <li>Personal</li> <li>Trusted Root Certification Aur</li> <li>Enterprise Trust</li> <li>Intermediate Certification Au</li> <li>Active Directory User Object</li> <li>Trusted Publishers</li> <li>Untrusted Certificates</li> <li>Third-Party Root Certification</li> <li>Trusted People</li> <li>Client Authentication Issuers</li> <li>Other People</li> <li>Cortificate Enrollment Requee</li> <li>Smart Card Trusted Roots</li> </ul>		
< >> <		>
Personal store contains 9 certificates.		

Then mark the certificate you want to backup, right click on it and choose All Tasks/Export

🔚 certmgr - [Certificates - Current User\Personal\Certificates] - 🛛 🗙					×
File Action View Help					
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<ul> <li>Certificates - Current User</li> <li>Personal</li> <li>Certificates</li> <li>Trusted Root Certification Au</li> <li>Enterprise Trust</li> <li>Intermediate Certification Au</li> <li>Active Directory User Object</li> <li>Trusted Publishers</li> <li>Untrusted Certificates</li> <li>Third-Party Root Certification</li> <li>Trusted People</li> <li>Client Authentication Issuers</li> <li>Other People</li> <li>Local NonRemovable Certific</li> <li>Smart Card Trusted Roots</li> </ul>	Pe Pe Pe g	d To CA HD GESTORBICA tter Jacko Open All Tasks Cut Copy Delete Properties Help	F F	Issued By I.CA Test Public CA/RSA 11/2015 I.CA Test Public CA/RSA 11/2015 I.CA Qualified 2 CA/RSA 02/2016 I.CA Qualified 2 CA/RSA 02/2016 I.CA Public CA/RSA 07/2015 Open Request Certificate with New Key Renew Certificate with New Key Advanced Operations	Ex 6/ 5/ 4/ 4/ 4/
< > > Export a certificate	<				>
export a certificate					

in the Export wizard choose Next

🔶 😺 Certificate Export Wizard



Next	Cancel
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## mark option "Yes, export the private key" and then Next

tificate Export Wizard		
Export Private Key You can choose to export the private key with the certificat	e.	
Private keys are password protected. If you want to expor certificate, you must type a password on a later page.	: the private key with the	
Do you want to export the private key with the certificate?		
Yes, export the private key		
$\bigcirc$ No, do not export the private key		
e the current <b>PKCS #12</b> format setting	Next Cancel	×
e the current <b>PKCS #12</b> format setting	INEXT Cancel	×
_	INEXT Cancel	×
Certificate Export Wizard Export File Format Certificates can be exported in a variety of file formats.	TVEXT	×
Certificate Export Wizard Export File Format Certificates can be exported in a variety of file formats. Select the format you want to use:	TVEXT	×
Certificate Export Wizard Export File Format Certificates can be exported in a variety of file formats. Select the format you want to use: DER encoded binary X.509 (.CER)	INEXT	×
Certificate Export Wizard Export File Format Certificates can be exported in a variety of file formats.          Select the format you want to use:         DER encoded binary X.509 (.CER)         Base-64 encoded X.509 (.CER)		×
Certificate Export Wizard Export File Format Certificates can be exported in a variety of file formats.          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 (.P7B)	×
Certificate Export Wizard Export File Format Certificates can be exported in a variety of file formats.          Select the format you want to use:         DER encoded binary X.509 (.CER)         Base-64 encoded X.509 (.CER)         Cryptographic Message Syntax Standard - PKCS #         Include all certificates in the certification path il	7 Certificates (.P7B)	
Certificate Export Wizard Export File Format Certificates can be exported in a variety of file formats.          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 (.P7B) <sup>;</sup> possible	
Certificate Export Wizard Export File Format Certificates can be exported in a variety of file formats.          Select the format you want to use:         DER encoded binary X.509 (.CER)         Base-64 encoded X.509 (.CER)         Cryptographic Message Syntax Standard - PKCS #         Include all certificates in the certification path il         Include all certificates in the certification path il	7 Certificates (.P7B) <sup>1</sup> possible <sup>2</sup> possible	×
<ul> <li>Certificate Export Wizard</li> <li>Export File Format Certificates can be exported in a variety of file formats.</li> <li>Select the format you want to use:         <ul> <li>DER encoded binary X.509 (.CER)</li> <li>Base-64 encoded X.509 (.CER)</li> <li>Cryptographic Message Syntax Standard - PKCS # Include all certificates in the certification path if</li> <li>Personal Information Exchange - PKCS #12 (.PFX)</li> <li>Include all certificates in the certification path if</li> </ul> </li> </ul>	7 Certificates (.P7B) <sup>1</sup> possible <sup>2</sup> possible	×
Certificate Export Wizard Export File Format Certificates can be exported in a variety of file formats. Select the format you want to use: <ul> <li>DER encoded binary X.509 (.CER)</li> <li>Base-64 encoded X.509 (.CER)</li> <li>Cryptographic Message Syntax Standard - PKCS #</li> <li>Include all certificates in the certification path il</li> <li>Personal Information Exchange - PKCS #12 (.PFX)</li> <li>Include all certificates in the certification path il</li> <li>Delete the private key if the export is successf</li> </ul>	7 Certificates (.P7B) <sup>1</sup> possible <sup>2</sup> possible	
Certificate Export Wizard Export File Format Certificates can be exported in a variety of file formats.          Select the format you want to use:         DER encoded binary X.509 (.CER)         Base-64 encoded X.509 (.CER)         Cryptographic Message Syntax Standard - PKCS #         Include all certificates in the certification path il         Personal Information Exchange - PKCS #12 (.PFX)         Include all certificates in the certification path il         Delete the private key if the export is successf         Export all extended properties	7 Certificates (.P7B) <sup>†</sup> possible	
Certificate Export Wizard Export File Format Certificates can be exported in a variety of file formats. Select the format you want to use: <ul> <li>DER encoded binary X.509 (.CER)</li> <li>Base-64 encoded X.509 (.CER)</li> <li>Cryptographic Message Syntax Standard - PKCS #</li> <li>Include all certificates in the certification path il</li> <li>Personal Information Exchange - PKCS #12 (.PFX)</li> <li>Include all certificates in the certification path il</li> <li>Delete the private key if the export is successf</li> <li>Export all extended properties</li> <li>Enable certificate privacy</li> </ul>	7 Certificates (.P7B) <sup>†</sup> possible	×

ente	r <b>password</b> , which will protect this back	up and select <b>Next</b>
÷	Security To maintain security, you must protect the private ke using a password.	y to a security principal or by
	Group or user names (recommended)	
		Add
	Password:	-
	••••	
	Confirm password:	1
	Encryption: TripleDES-SHA1	
		Next Cancel

choose location, where will be your backup stored with option Browse

×

🐓 Certificate Export Wiz	ard			
File to Export Specify the name of t	he file you want to export			
File name:			-	
			Browse	
		1	Vext Can	cel

Save As									×
← → • ↑ 📘	> Ti	his PC → De	sktop → Cert		ٽ ~	Searc	h Cert		٩
Organize 👻 Ne	ew fold	ler							?
💻 This PC	^	Name	^		Date modified		Туре		Size
3D Objects				No items	match your search.				
📃 Desktop									
🖆 Documents									
🖊 Downloads									
b Music									
Pictures									
📑 Videos									
🏪 Windows (C	:)								
💣 Network	~	<							>
File name:	back	tup							~
Save as type:	Perso	onal Informat	ion Exchange (*.pfx)						~
∧ Hide Folders							Save	Cano	el

you can choose to save it on Desktop and then select option Save

proceed with button Next

5	Certificate Export Wizard	
Ei	le to Export	
	Specify the name of the file you want to export	
	File name:	
	C:\Users\admin\Desktop\backup.pfx	Browse
		L
		Next Cancel
		IVEXT Cancel

for completion choose Finish

×

🗧 嵾 Certificate Export Wizard

## **Completing the Certificate Export Wizard**

You have successfully completed the Certificate Export wizard.

File Name	C:\Users\admin\Desktop\Cert\backup
Export Keys	Yes
Include all certificates in the certification path	Yes
File Format	Personal Information Exchange (*.pf>
(	

Exporting you	r private signature key	$\times$
	An application is requesting access to a Protected item	
	Password for: CryptoAPI Private Key	
	OK Cancel Details	
Certificate Exp	oort Wizard X	
Certificate Exp		
The export wa	is successful.	
	ОК	

file with backup which contains private key is saved in choosen location.