

# Backup of the private key in Windows 7

#### Click on button Start



### In search write certmgr.msc and click on Certmgr

| Programs (1)     |     |  |
|------------------|-----|--|
| 🔚 certmgr        |     |  |
|                  |     |  |
|                  |     |  |
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|                  |     |  |
| See more results |     |  |
| 2                | 2.8 |  |



| 🚡 certmgr - [Certificates - Current U  | lser\Certificate Enrollment Requests\G | Certificates]                           |   | • <b>×</b>                             |
|--|--|---|---|--|
| File Action View Help  |  |   |   |  |
| 🗢 🄿 🗖 🗊 📋 🗟 😖  | ? 📰                                    |   |   |  |
| Certificates - Current User  Certificates - Current User  Personal  Crusted Root Certification Au  Crusted Root Certification Au  Active Directory User Object  Crusted Publishers  Crusted Publishers  Crusted People  Certificates  Certificates  Certificates  Certificates  Smart Card Trusted Roots | Issued To                              | Issued By<br>peter jacko<br>peter peter | Expiration Date<br>6/29/2020<br>6/29/2020 | Intende<br><all><br/><all></all></all> |
| < III >  | •                                      |   |   | ۱.                                     |
| Certificate Enrollment Requests store  | contains 2 certificates.               |   |   |  |

In certmgr click on Certificate Enrollment Request/Certificates

# Mark the private key and with right click on it choose All Tasks/Export

| 🖀 certmgr - [Certificates - Current U   | ser\Certificate Er | nrollment Requests\Cer                      | tificates]  |                 | • <b>×</b>  |  |  |
|---|--------------------|---|-------------|-----------------|-------------|--|--|
| File Action View Help   |                    |   |             |                 |             |  |  |
| ⇔ ⇒   2 🗊 & 🖻   🗙 🖻 🐟   🛛 🖬   |                    |   |             |                 |             |  |  |
| Certificates - Current User   | Issued To          | *   | Issued By   | Expiration Date | Intende     |  |  |
| Personal Trusted Root Certification Au  | 🙀 peter jac        | Open  | peter jacko | 6/29/2020       | <all></all> |  |  |
| Enterprise Trust  | 🖾 peter pet        | open  | eter peter  | 6/29/2020       | <all></all> |  |  |
| Intermediate Certification Au   |                    | All Tasks 🕨                                 | Open        |                 |             |  |  |
| <ul> <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>Certificate Enrollment Reque:</li> <li>Certificates</li> <li>Smart Card Trusted Roots</li> </ul> |                    | Cut<br>Copy<br>Delete<br>Properties<br>Help | Export      |                 |             |  |  |
| ۰ III >   | •                  |   |             |                 | F.          |  |  |
| Export a certificate  |                    |   |             |                 |             |  |  |



#### in the Export wizard choose Next



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

| Certificate Export Wizard  | × |
|--|---|
| Export Private Key<br>You can choose to export the private key with the certificate.   |   |
| 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?  |   |
| <ul> <li>Yes, export the private key</li> </ul>  |   |
| No, do not export the private key  |   |
|  |   |
| Learn more about <u>exporting private keys</u>   |   |
| < Back Next > Cancel   |   |



## leave the current PKCS #12 format setting

| Certificate Export Wizard   | × |  |  |  |
|---|---|--|--|--|
| Export File Format<br>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)  |   |  |  |  |
| <ul> <li>Cryptographic Message Syntax Standard - PKCS #7 Certificates (.P7B)</li> <li>Include all certificates in the certification path if possible</li> </ul> |   |  |  |  |
| Personal Information Exchange - PKCS #12 (.PFX) Include all certificates in the certification path if possible  |   |  |  |  |
| Delete the private key if the export is successful  |   |  |  |  |
| Export all extended properties  |   |  |  |  |
| Microsoft Serialized Certificate Store (.SST)   |   |  |  |  |
| Learn more about <u>certificate file formats</u>  |   |  |  |  |
| < Back Next > Cancel  |   |  |  |  |

### enter password, which will protect this backup and select Next

| Certificate Export Wizard   | ×  |
|---|----|
| Password<br>To maintain security, you must protect the private key by using a password. |    |
| Type and confirm a password.  |    |
| ••••  |    |
| Type and confirm password (mandatory):  |    |
| ••••  |    |
|   |    |
|   |    |
|   |    |
|   |    |
|   |    |
|   |    |
|   |    |
| < Back Next > Can   | el |

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

| Certifi | cate Export Wizard   | × |
|---------|--|---|
| File    | e to Export<br>Specify the name of the file you want to export |   |
|         | File name:   |   |
|         | Browse   |   |
|         |  |   |
|         |  |   |
|         |  |   |
|         |  |   |
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|         |  |   |
|         |  |   |
|         |  |   |
|         |  |   |
|         | < Back Next > Cance  |   |

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

| 🥖 Save As   |   |                       |
|---|---|-----------------------|
| 🕞 🗢 📃 Deskto  | • •                                       | ✓ 4→ Search Desktop   |
| Organize 🔻 Ne   | folder                                    |                       |
| Favorites   | Libraries<br>System Folder                | Jack<br>System Folder |
| Recent Places   | E Computer<br>System Folder System Folder | Win7<br>File folder   |
| <ul> <li>Libraries</li> <li>Documents</li> <li>Music</li> <li>Pictures</li> <li>Videos</li> </ul> | Personal Information Exchange<br>7.44 KB  |                       |
| 🔞 Homegroup   | -   |                       |
| File name:  | backup                                    | •                     |
| Save as type:   | Personal Information Exchange (*.pfx)     |                       |
| Hide Folders  |   | Save Cancel           |



#### proceed with button Next

| Certificate Expo            | rt Wizard                       |           | <b>—</b> ×-  |
|-----------------------------|---------------------------------|-----------|--------------|
| File to Export<br>Specify t | he name of the file you want to | ) export  |              |
| File name                   | ::                              |           |              |
| C:\User                     | s\Jack\Desktop\backup.pfx       |           | Browse       |
|                             |                                 |           |              |
|                             |                                 |           |              |
|                             |                                 |           |              |
|                             |                                 |           |              |
|                             |                                 |           |              |
|                             |                                 |           |              |
|                             |                                 |           |              |
|                             |                                 |           |              |
|                             |                                 |           |              |
|                             |                                 |           |              |
|                             |                                 | < Back No | ext > Cancel |

### for completion choose Finish





| Exporting your private signature key                    | ×  |  |  |  |
|---|----|--|--|--|
| An application is requesting access to a Protected iter | n. |  |  |  |
| Password for:<br>CryptoAPI Private Key                  |    |  |  |  |
| OK Cancel Details.                                      |    |  |  |  |
| Certificate Export Wizard                               |    |  |  |  |
| The export was successful.                              |    |  |  |  |
| ОК  |    |  |  |  |

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