

## How to Export a Certificate When Using Apple® Mac® OS X

This document explains the process of exporting your digital certificate for use in another browser or on a different device when using either Mozilla<sup>®</sup> Firefox or Safari with Mac OS X.

Please note that the example images below may look slightly different depending on the version of Mac OS X you are using. Unless otherwise instructed, please keep the default settings and continue with the instructions below.

## **Mozilla Firefox**

Mozilla Firefox is no longer supported for certificate retrieval; however, you may use the browser to import and export a certificate.

To export your digital certificate for use in another browser or on a different device when using Mozilla Firefox, please use these instructions.

1. Open **"Firefox"**. Click on the **"Firefox"** tab on the top left next to the Apple logo. Then select **"Preferences"** from the drop down menu.



2. Click "Privacy & Security". Then scroll to the bottom and click "View Certificates".

| General            | Allow Firefox to install and run studies View Firefox Studies     Allow Firefox to send crash reports to Mozilla Learn more  |
|--------------------|--|
| Privacy & Security | Security Deceptive Content and Dangerous Software Protection  Block dangerous and deceptive content Learn more Block dangerous downloads  University Security Securit |
| ⑦ Firefox Support  | Warn you about unwanted and uncommon software  Certificates  When a server requests your personal certificate Select one automatically  Ask you every time  Query OCSP responder servers to confirm the current validity of certificates Security Devices Security Devices   |



3. The **"Certificate Manager"** window will appear. Select the **"Your Certificates"** tab. Select the certificate that you would like to export; then select **"Backup..."**.

|                      |                          | Gertain           | cate manager   |                        |                   |  |
|----------------------|--------------------------|-------------------|----------------|------------------------|-------------------|--|
|                      | Your Certificates        | People            | Servers        | Authorities            | Others            |  |
| ou have certificates | from these organizations | s that identify y | rou            |                        |                   |  |
| Certificate Name     | Security D               | evice             | Serial Nur     | nber                   | Expires On        |  |
| IdenTrust            |                          |                   |                |                        |                   |  |
| David Ahonen         | Software Securi          | ity Device        | 40:01:60:08:08 | 8:3F:46:27:08-D6:FA-80 | Eebnuary 28, 2019 |  |
|                      |                          |                   |                |                        |                   |  |
|                      |                          |                   | 40101100100100 |                        |                   |  |
|                      |                          | ay bookse         | 40101100100100 |                        |                   |  |
|                      |                          | ay burku          |                |                        |                   |  |
|                      |                          |                   |                |                        |                   |  |
|                      |                          |                   |                |                        |                   |  |
|                      |                          |                   |                |                        |                   |  |
|                      |                          |                   |                |                        |                   |  |
|                      |                          | nj bone           |                |                        |                   |  |
|                      |                          | nj bone           |                |                        |                   |  |
|                      |                          | , conce           |                |                        |                   |  |
|                      |                          |                   |                |                        |                   |  |
| New Device           |                          |                   |                |                        |                   |  |
| View Backup          | p Backup All             | Import D          | Delete         |                        |                   |  |
| View Backup          | p Backup All             | Import D          | veiete         |                        |                   |  |

4. Provide a "File Name" and "Location" for the certificate. Then click "Save".

|          | File Name to Backup  |      |
|----------|----------------------|------|
| Save As: | MyCertificate        | •    |
| Tags:    |                      |      |
| Where:   | 🖻 Desktop ᅌ          |      |
|          | Format: PKCS12 Files |      |
|          | Cancel               | Save |

5. Create a **"Password"** of your choosing (this is case sensitive) and then re-enter to confirm your password. Click **"OK"**.

Please note this password! You will use it later if you need to reinstall this certificate.

| The certificate backup password you set here protects the backup file that you are about to<br>create. You must set this password to proceed with the backup. |
|---|
| Certificate backup password:  |
| Certificate backup password (again):  |
| Important: If you forget your certificate backup password, you will not be able to restore this backup later. Please record it in a safe location.            |
| Password quality meter  |
|   |
| Cancel  |

You have now completed the export process for your digital certificate from Firefox.

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## Safari

To export your digital certificate for use in another browser or on a different device when using Safari, please use these instructions.

1. Open **"Keychain Access"**. Under **"Category"** select **"Certificates"**, and highlight the certificate that you want to export.

| Keychains       | Computer                 | CES-CA 2<br>ruary 28, 2019 at 10:20<br>Id | 25 AM Mountain Standard Time |        |
|-----------------|--------------------------|---|------------------------------|--------|
|                 | Name                     | Kind                                      | Expires                      | Keycha |
|                 | ▶ 🕎 David Ahonen         | certificate                               | Feb 28, 2019, 10:20:25 AM    | login  |
|                 | Federal Bridge CA 2016   | certificate                               | Nov 8, 2018, 11:20:38 AM     | login  |
|                 | Federal Common Policy CA | certificate                               | Dec 1, 2030, 8-45-27 AM      | ingin  |
|                 | Menthust ACES CA 2       | certificate                               | Aug 31, 2018, 9:24:37 PM     | ingin  |
| Category        |                          |   |                              |        |
| All Items       |                          |   |                              |        |
| A. Passwords    |                          |   |                              |        |
| Secure Notes    |                          |   |                              |        |
| My Certificates |                          |   |                              |        |
| P Keys          |                          |   |                              |        |
| Certificates    |                          |   |                              |        |
|                 |                          |   |                              |        |
|                 |                          |   |                              |        |
|                 |                          |   |                              |        |
|                 |                          |   |                              |        |
|                 |                          |   |                              |        |
|                 | L Copy                   |   | 4 items                      |        |

2. Click "File" and select "Export Items" from the drop down menu.

| Keychain Access   | File Edit View Window                                     | / Help           |   |   |   |                         |  |  |
|---|---|------------------|---|---|---|-------------------------|--|--|
| Click to lock the login ke                              | New Password Item<br>New Secure Note Item<br>New Keychain | ポN<br>合業N<br>て業N | Keychain Access   |   |   | Q Search                |  |  |
| Keych:<br>login<br>Local Items                          | New Identity Preference Import Items Export Items         |                  | David Ahonen<br>Issued by: IdenTrust ACES<br>Expires: Thursday, Februar | Javid Ahonen<br>ssued by: IdenTrust ACES CA 2 |   |                         |  |  |
| <ul> <li>System</li> <li>System Roots</li> </ul>        | Add Keychain<br>Delete Keychain "login"                   | ☆業A<br>て業図       | <ul> <li>This certificate is valid</li> </ul>                           | This certificate is valid                     |   |                         |  |  |
|   | Close   | жw               | onen  | certificate                                   | Feb 28, 2019, 10:20:25 AN                               | l login                 |  |  |
|   | Go There<br>Get Info                                      | <b>%</b> I       | 199f777a-25e658419f52<br>3ridge CA 2016<br>Common Policy CA             | private key<br>certificate<br>certificate     | <br>Nov 8, 2019, 11:20:38 AM<br>Dec 1, 2030, 9:45:27 AM | login<br>login<br>login |  |  |
| Cateo   | Lock Keychain "login"<br>Lock All Keychains               | ₩L               | ACES CA 2   | certificate                                   | Aug 31, 2018, 9:24:37 PM                                | login                   |  |  |
| All Items   | Make Keychain "login" De                                  | ault             |   |   |   |                         |  |  |
| Passwords     Secure Notes     My Certificates     Keys |   |                  |   |   |   |                         |  |  |
| Certificates  |   |                  |   |   |   |                         |  |  |
|   |   |                  |   |   |   |                         |  |  |
|   |   |                  |   |   |   |                         |  |  |



3. Provide a "File Name" and "Location" for the certificate. Then click "Save".

| Keychain Access File              | Edit View V | Vindow   | Help                                  |   |          |        |
|-----------------------------------|-------------|----------|---------------------------------------|---|----------|--------|
| • •                               |             |          | Keychain Access                       |   |          |        |
| Click to lock the login keychain. |             |          |                                       |   |          | Q      |
| Keychains                         |             |          |                                       |   |          |        |
| 💣 login                           |             | Save As: | Certificates                          | <ul> <li>Image: A set of the set of the</li></ul> |          |        |
| 💣 Local Items                     |             | Tager    |                                       |   | ard Time |        |
| G System                          |             | Tags.    |                                       |   |          |        |
| System Roots                      |             | Where:   | 🛅 Desktop ᅌ                           |   |          |        |
|                                   | _           |          |                                       |   | 1        | Keycha |
|                                   | File        | Cormete  | Personal Information Evolution ( p12) |   | 20:25 AM | login  |
|                                   | File        | Format:  | Personal Information Exchange (.p12)  |   | 2.20 414 | login  |
|                                   |             |          |                                       |   | 2:30 AM  | login  |
|                                   |             |          |                                       | Cancel Save   | 4:37 PM  | login  |
| -                                 |             |          |                                       |   |          |        |
| Category                          |             |          |                                       |   |          |        |
| All Items                         |             |          |                                       |   |          |        |
| A. Passwords                      |             |          |                                       |   |          |        |
| Secure Notes                      |             |          |                                       |   |          |        |
| My Certificates                   |             |          |                                       |   |          |        |
| 🖗 Keys                            |             |          |                                       |   |          |        |
| Certificates                      |             |          |                                       |   |          |        |
|                                   |             |          |                                       |   |          |        |
|                                   |             |          |                                       |   |          |        |
|                                   |             |          |                                       |   |          |        |
|                                   |             |          |                                       |   |          |        |
| 1                                 |             | + i      | Copy                                  | 4 items   |          |        |

4. Create a **"Password"** of your choosing (this is case sensitive) and then re-enter to confirm your password. Click **"OK"**.

Please note this password! You will use it later if you need to reinstall this certificate.

|       | Enter a pas<br>exported in | ssword which will be used to protect the<br>tems: |
|-------|----------------------------|---|
| // IN | Password:                  | •••••••   |
|       | Verify:                    | ••••••  |
|       |                            | Password Strength: Good                           |
|       |                            | Show password                                     |
| ?     |                            | Cancel OK   |



5. Type your keychain **"Password"**. (This password is usually your computer user password.)

|   | Keychain Access wants to export key<br>"privateKey" from your keychain.<br>To allow this, enter the "login" keychain password.<br>Password: |  |  |  |  |
|---|---|--|--|--|--|
|   |   |  |  |  |  |
| ? | Always Allow Deny Allow   |  |  |  |  |

You have now completed the export process for your digital certificate.

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2017-12-12-identrust-how-to-export-cert-mac-osx-en

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