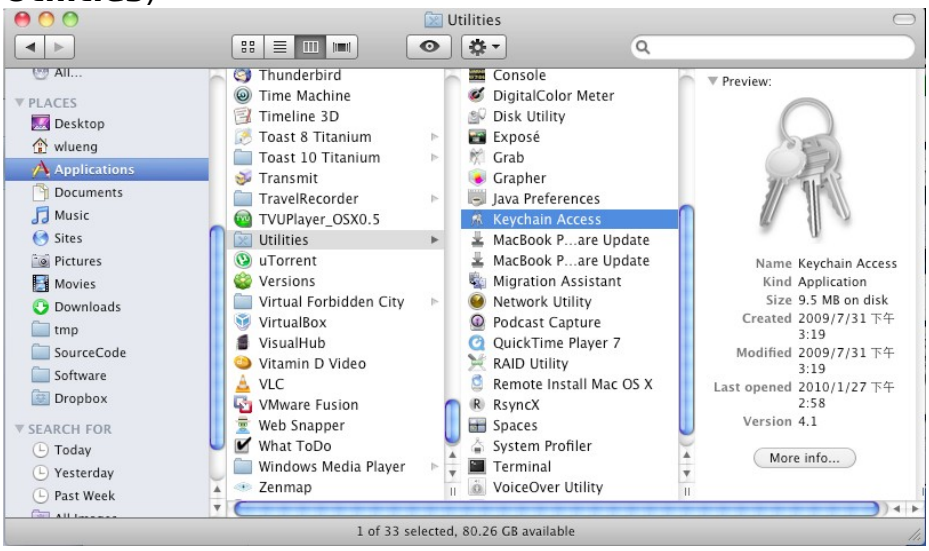
How to import and export certificate-key pairs using the OS X Keychain.

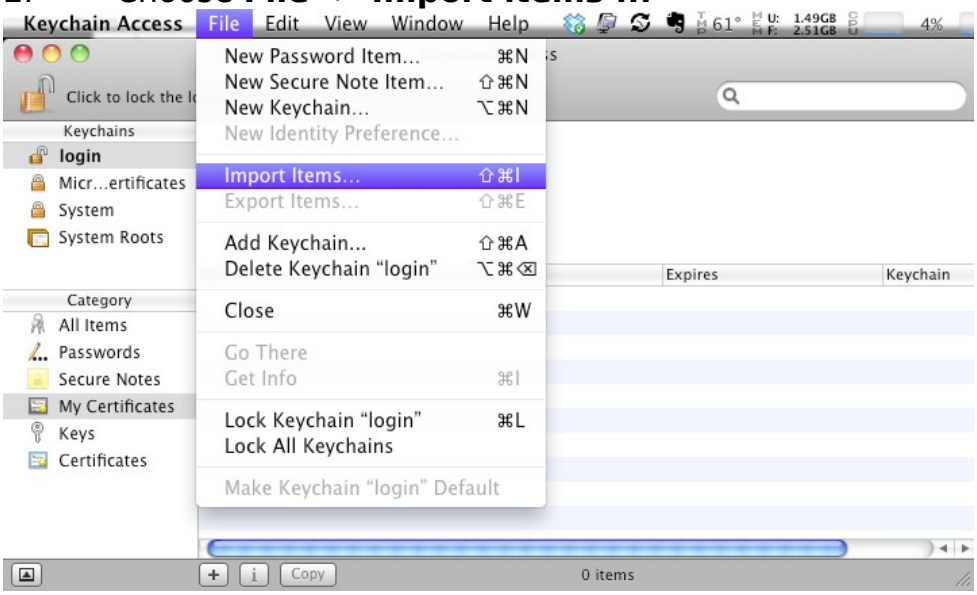
Apple's Mac OS X includes a built-in key and password manager, **Keychain**, which stores user passwords, user and server certificates, and keys. Certain applications, including the Safari web browser, use this centralized Keychain for storing and retrieving certificate information in lieu of maintaining their own, separate certificate repositories. One must use the OS X Keychain in order to add a certificate-key pair to, or remove or export certificate-key pairs from Safari and other, similar applications.

To import your certificate-key pair:

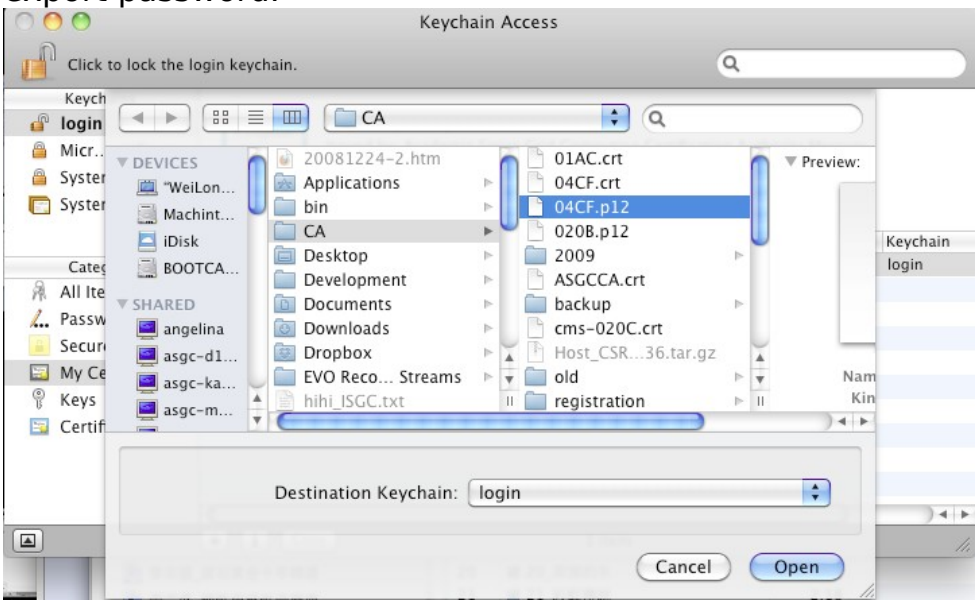
1. Open the **Keychain Access** utility (**Applications -> Utilities**)

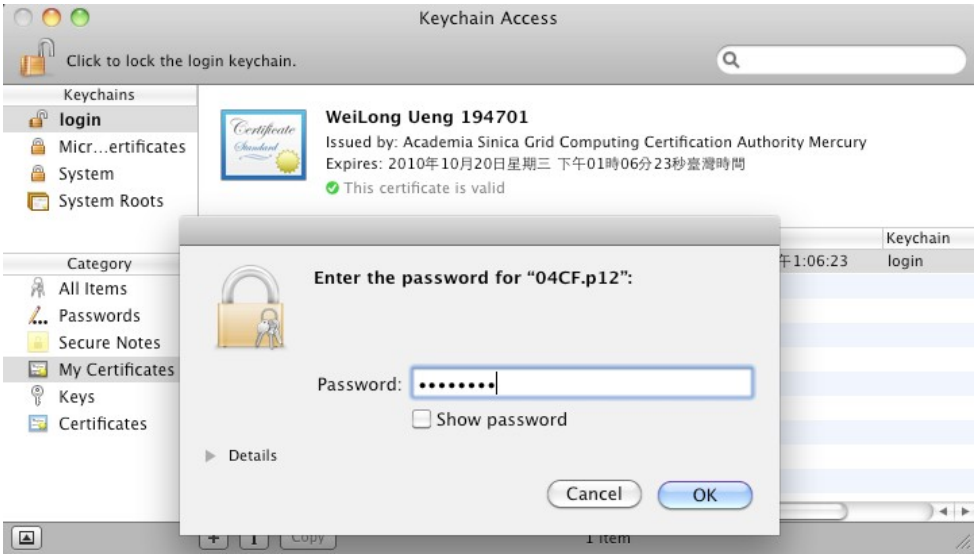


2. Choose **File -> Import items ...**

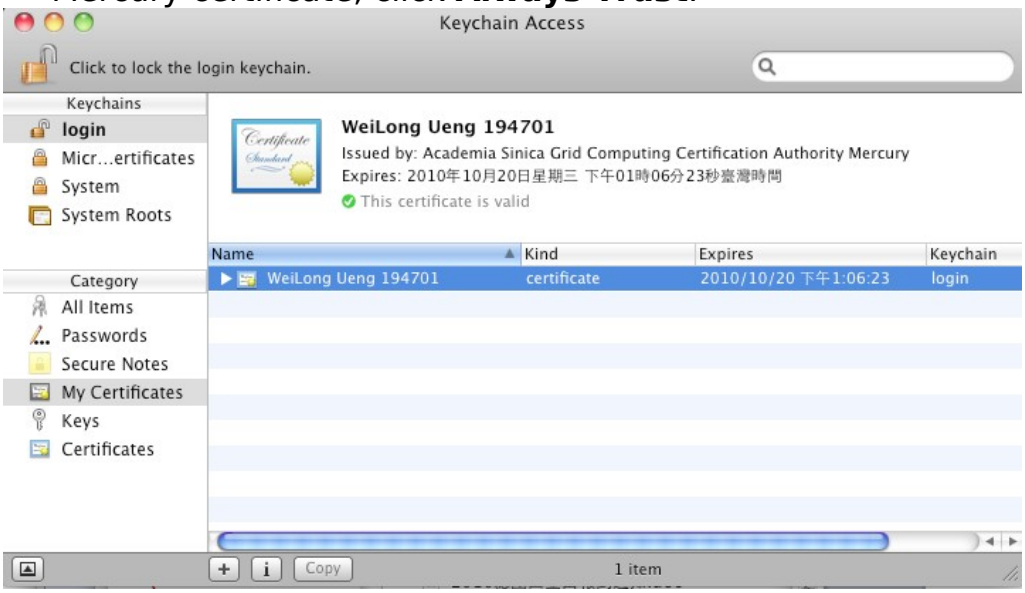


3. Browse to the location of your P12 format certificate file, and click **Open**. You will be prompted for your key pair's export password.





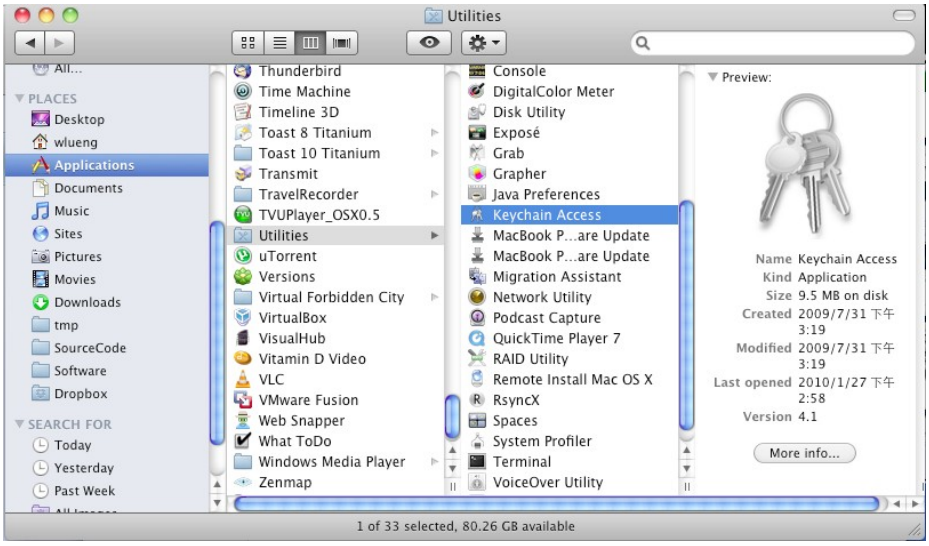
4. You may also be prompted whether to automatically trust certificates issued by "Academia Sinica Grid Computing Certification Authority Mercury". To trust and install the Academia Sinica Grid Computing Certification Authority Mercury certificate, click **Always Trust**.



Once imported, your certificate-key pair will appear under both the **Certificates** and **Keys** categories in the **Keychain Access** utility.

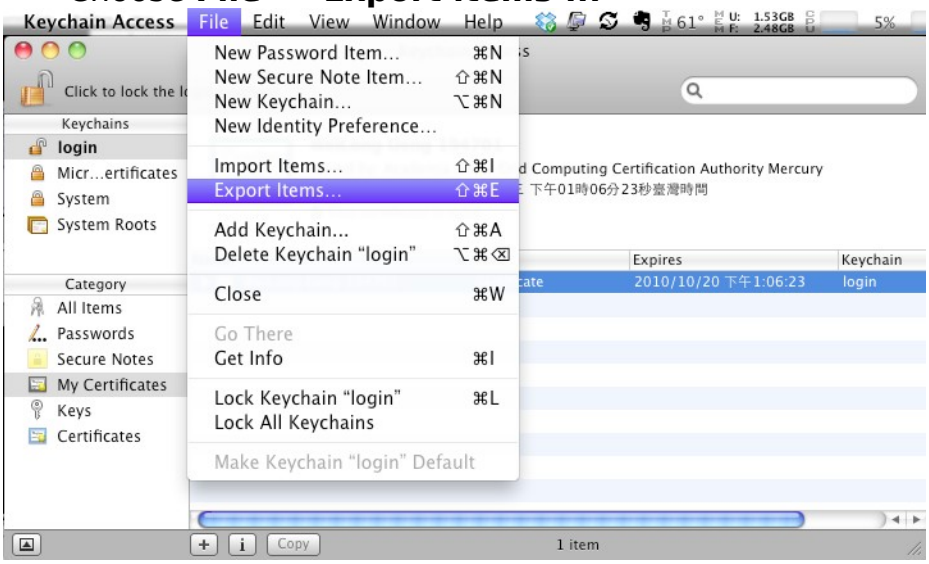
To export your certificate-key pair:

1. Open the **Keychain Access** utility (**Applications -> Utilities**)

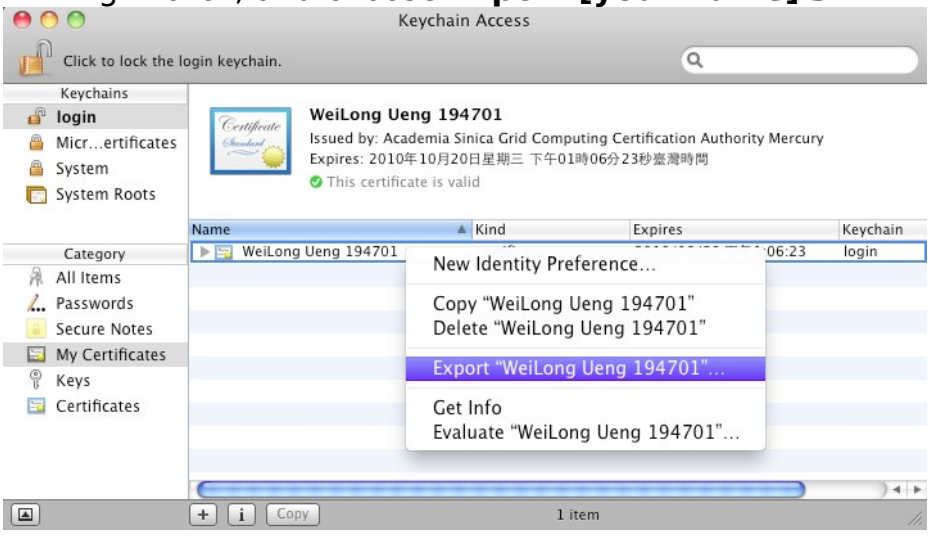


2. Select your certificate or key from the **Certificates** or **Keys** category, and do one of the following:

- Choose **File -> Export items ...**



- Right-click, and choose **Export [your name]'s ID ...**



3. In the **Save As** field, enter a new name for the exported item, and click **Save**. You will be prompted to enter a new export password for the item.


Keychain Access
Click to lock the login keychain.
Save As: wlueng
CA
DEVICES
SHARED
20081224-2.htm
Applications
bin
CA
Desktop
Development
Documents
Downloads
Dropbox
01AC.crt
04CF.crt
04CF.p12
020B.p12
2009
ASGCCA.crt
backup
cms-020C.crt
Host_CSR...36.tar.gz
File Format: Personal Information Exchange (.p12)
New Folder
Cancel
Save


Keychain Access
Click to lock the login keychain.
Save As: wlueng
CA
Enter the password for exporting:
Password:
Verify:
Password Strength: Fair
Details
New Folder
Cancel
OK