Summer Grid Workshop Lab: Retrieving and Exporting Your DOEGrids Certificate

In the Firefox Browser, go to http://pki1.doegrids.org/srchCert.html - this is a search interface to locate your certificate in the DOEGrids CA repository.

Note that you **MUST** use the same browser on the same computer that you used to request the certificate, because it is this browser that is holding your **private key** in its certificate repository.

In the "**Subject Name**" section, check the box marked "**Show certificates with a subject name matching the following**", and enter your last name in the "**Common Name**" box. Make sure **Match Method** of **Partial** is selected. Scroll (way down) to the bottom of the page and click **Find**. At least one certificate - hopefully yours! - should be listed. Click **Details** next to your certificate. At the very bottom of the Details page, click "**Import Your Certificate**".

If everything was done right, this should load the public-key portion of your certificate form the DOEGrids CA repository into the certificate repository within your browser. To view and export the certificate (both public and private key) into a file, proceed with the next step.
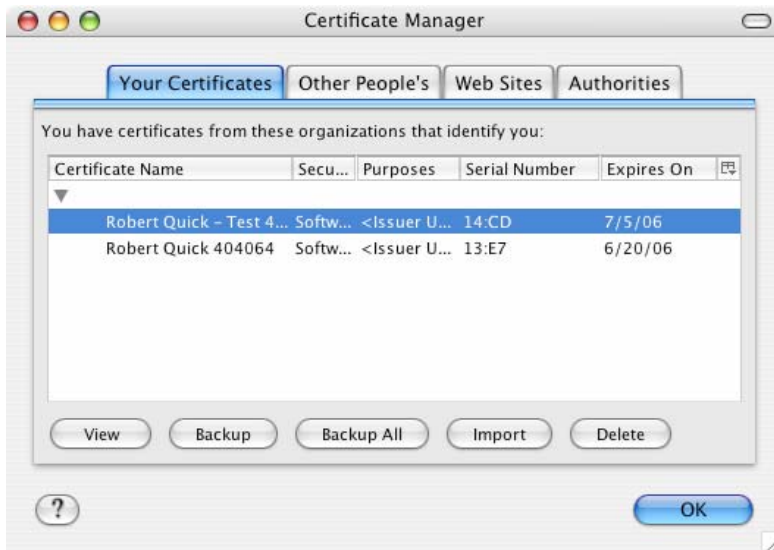
Go to the Firefox menu and choose **Preferences**.
Click on the **Advanced** button and scroll down to the **Certificates** box.

Click on the **Manage Certificates** button:

Select the certificate you would like to use (there is likely only one, but you still need to select it) and click **Backup** to *export* the certificate from your browser into a file on your laptop:

Certificate Manager

Your Certificates | Other People's | Web Sites | Authorities

You have certificates from these organizations that identify you:

Certificate Name	Secu...	Purposes	Serial Number	Expires On
▼				
Robert Quick – Test 4...	Softw...	<Issuer U...	14:CD	7/5/06
Robert Quick 404064	Softw...	<Issuer U...	13:E7	6/20/06

View   Backup   Backup All   Import   Delete

?   OK

Save as "*mycert*" (for example, "robcert"), which should export the certificate into a single file named "*mycert*.p12" in the directory $HOME/Documents/mycert.p12. ".p12" is a code for the format supported by the browser.

Choose a Certificate backup password and click OK.

Verify, in a Terminal window, that a file by the name you requested has been created in the directory mentioned above, and check that its not empty. Then, proceed to the next set of instructions to copy this file to your Linux lab system (the submit host, "gk1"), and convert it to the format Globus requires.