



## ***Setup for Mozilla Thunderbird (English)***

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## INTRODUCTION

This document will describe the step by step process to setup a user certificate in **Mozilla Thunderbird** for mail signing.

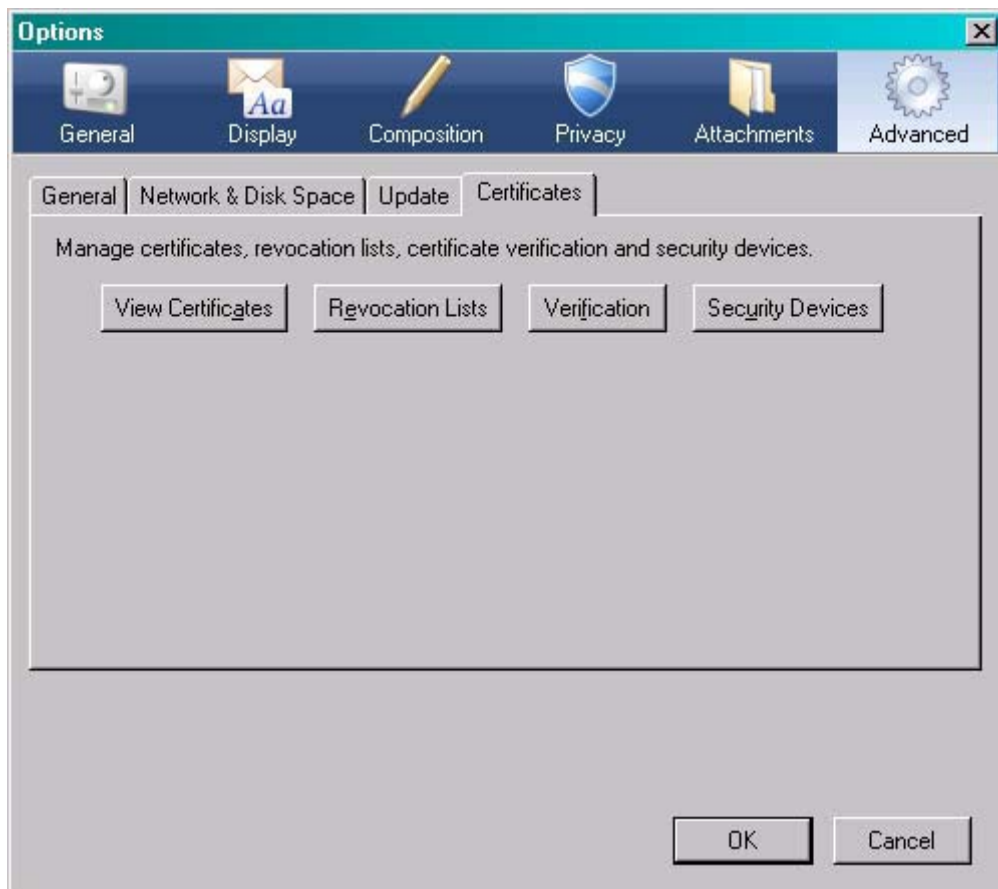
A trusted user certificate for E-mail signing purposes must be delivered by a trusted source. An internal trusted CA or 3rd party trusted source can issue these kinds of certificates.

## INSTALL SMART CARD MODULE

In order for you to be able to use your Smartcard with Thunderbird, you will have to Install the so called PKCS#11 Security Device. In order to do this, please open Thunderbird, and in the menu select Tools Options.

Go to the "Advanced" settings tab, And thee select the "Certificates" sub tab (Figure 1).

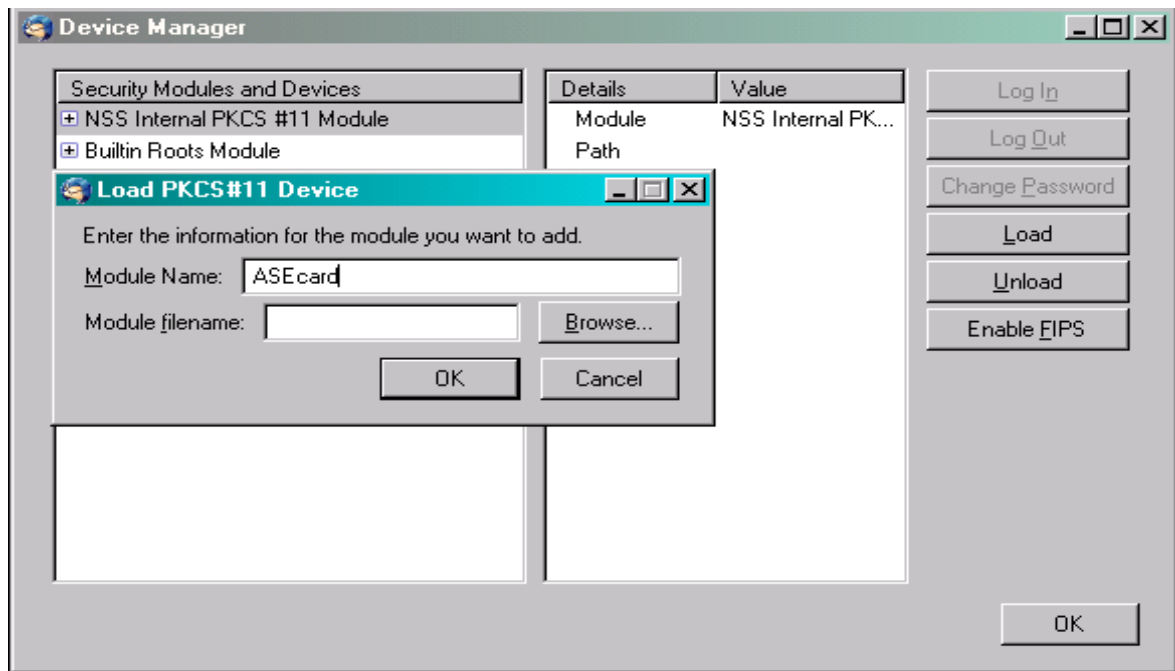
Figure 1



In the Certificates tab, please select the right hand button called "Security Devices". In the following dialog, select "Load", and you will be presented with another dialog where you can assign a module name and a filename (Figure 2). For the module name, you can fill in any name, we will use "ASEcard". In order to fill in the filename, you can browse for the file "asepkcs.dll". If you have run the asecard installer under windows, it will be

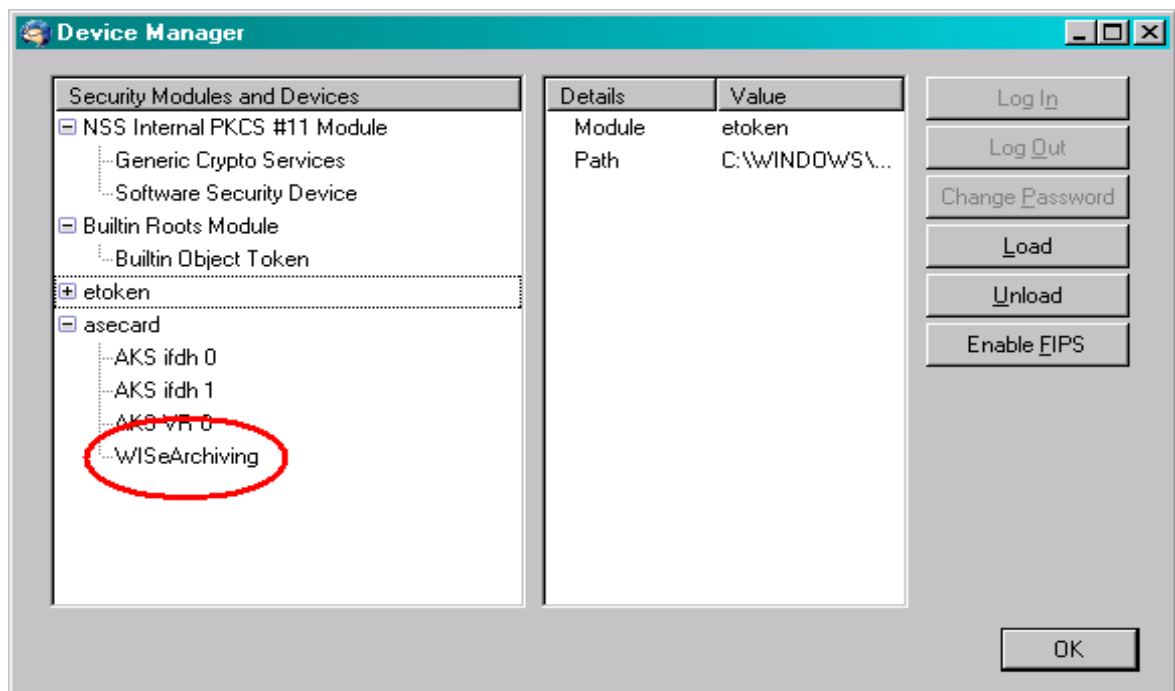
located at c:\windows\system32\ or whatever your standard system dll path is.

Figure 2



Once you selected the correct file, please confirm all dialogs. If you enter your Smartcard, it should appear in the device list. Your smartcard is now properly set up for Thunderbird.

Figure 3



ENABLE EMAIL SIGNING

Open Mozilla Thunderbird, in the menu select "Tools", then "Account settings".

Figure 4

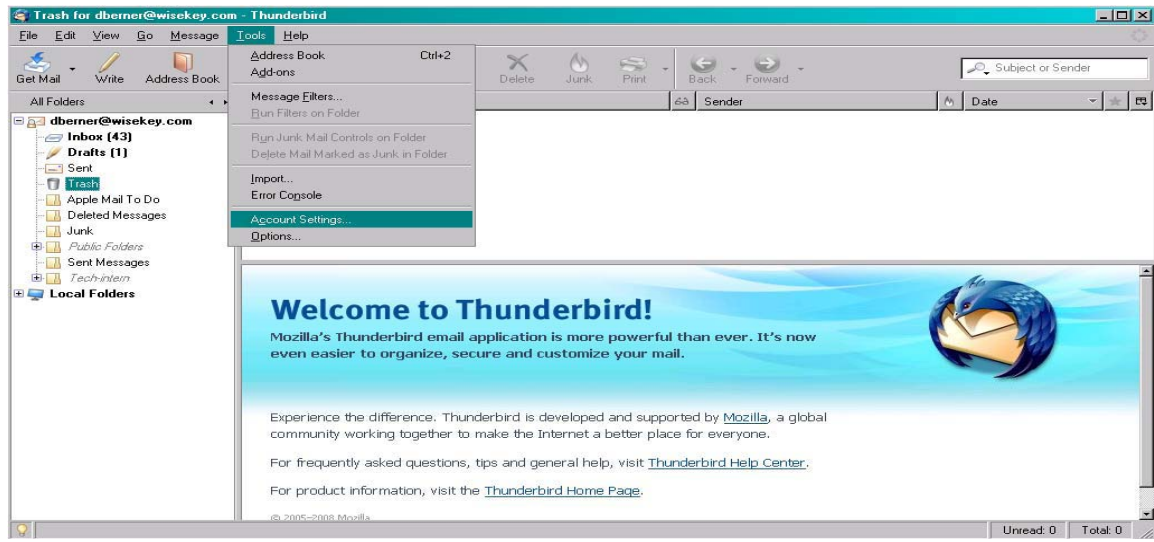
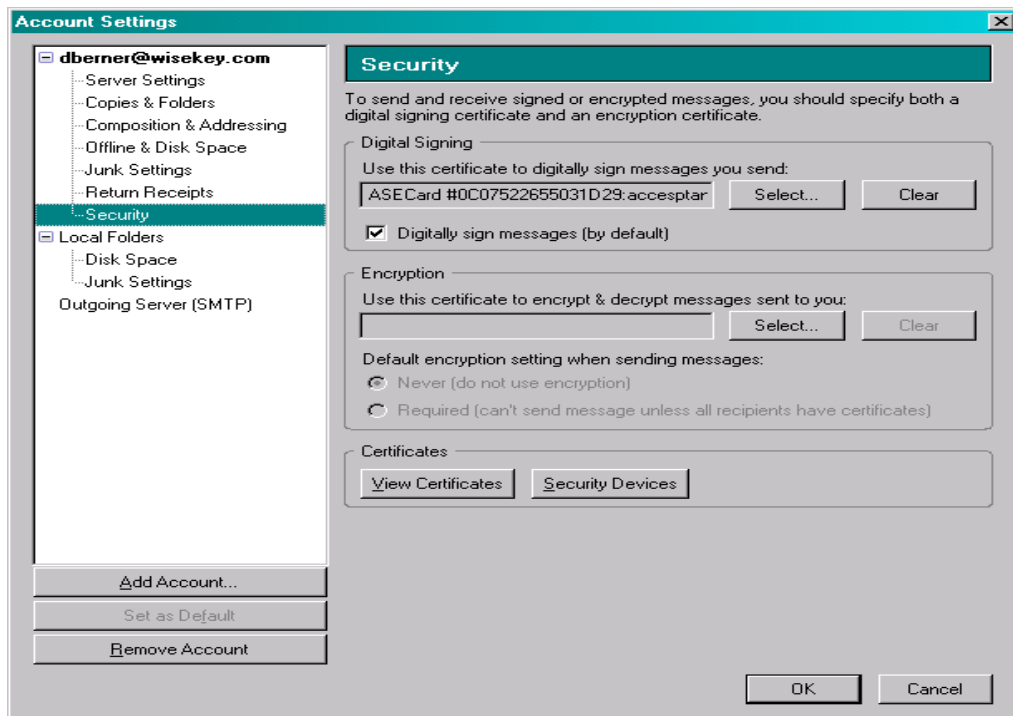
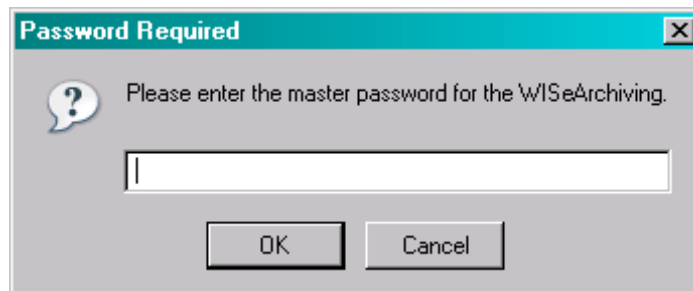


Figure 5



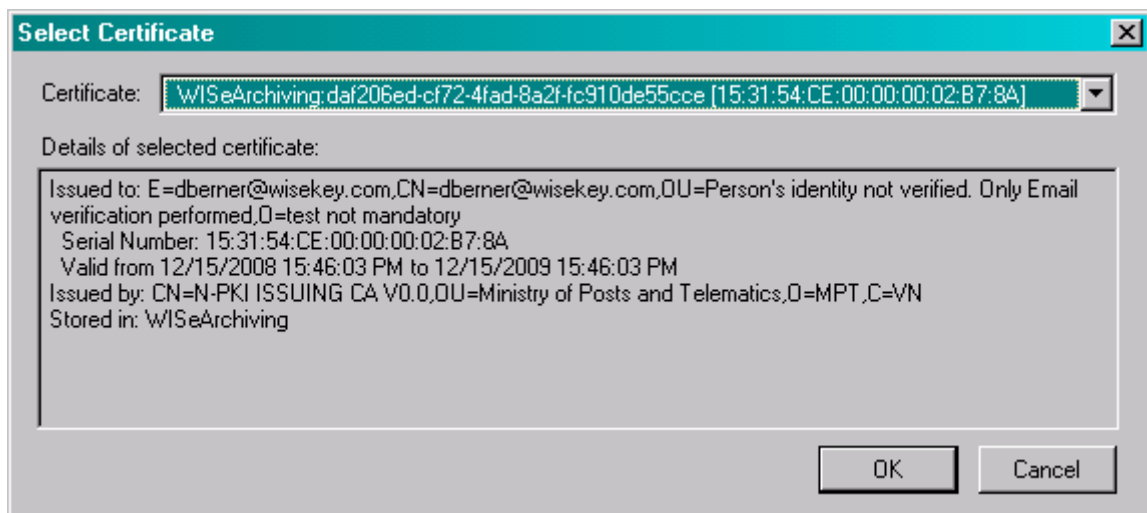
In the following dialog, please select the item "Security". There you will be able to select which certificate you would like to use for signing and encryption. In order to select a certificate for signing, please make sure you have your smartcard reader plugged in and that your smartcard is inserted. Then click on the button "Select" next in the field "Digital Signing".

Figure 6



You will now be presented with a dialog to enter your password (Figure 6) of your smartcard (default is 1234). Then you will be able to select your digital certificate (Figure 7). Please select a certificate that matches the email address of your email account, then select "OK".

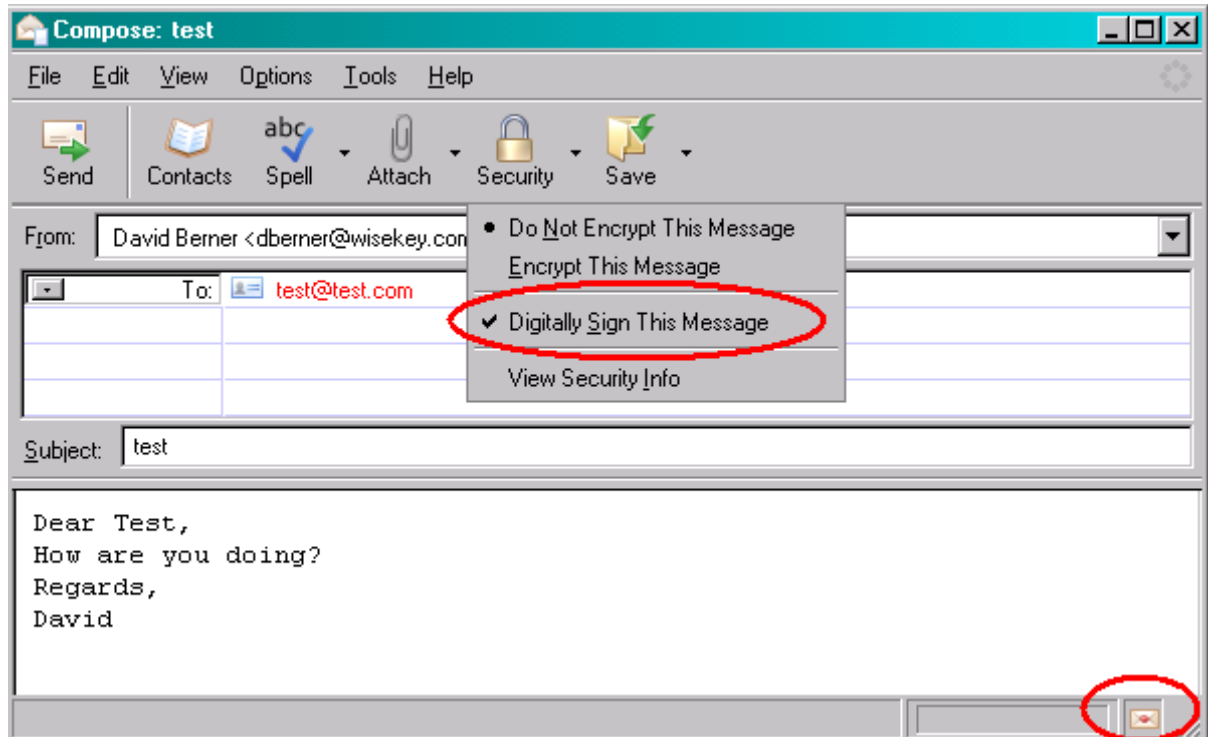
Figure 7



In order to automatically sign outgoing email, please check the checkbox labelled "Digitally sign messages (by default)" in Figure 5.

When you compose a new message, you can click on the small arrow next to the padlock symbol "Security", it will expand a menu (Figure 8) giving you information about signing and encryption status of this message. Here you will be able to set if the message is going to be signed or encrypted.

Figure 8



Whenever you receive a message, you will see a symbol next to the sender, indicating that the message has a valid signature. Also this is a way to check your sent mail, if it has been properly signed.

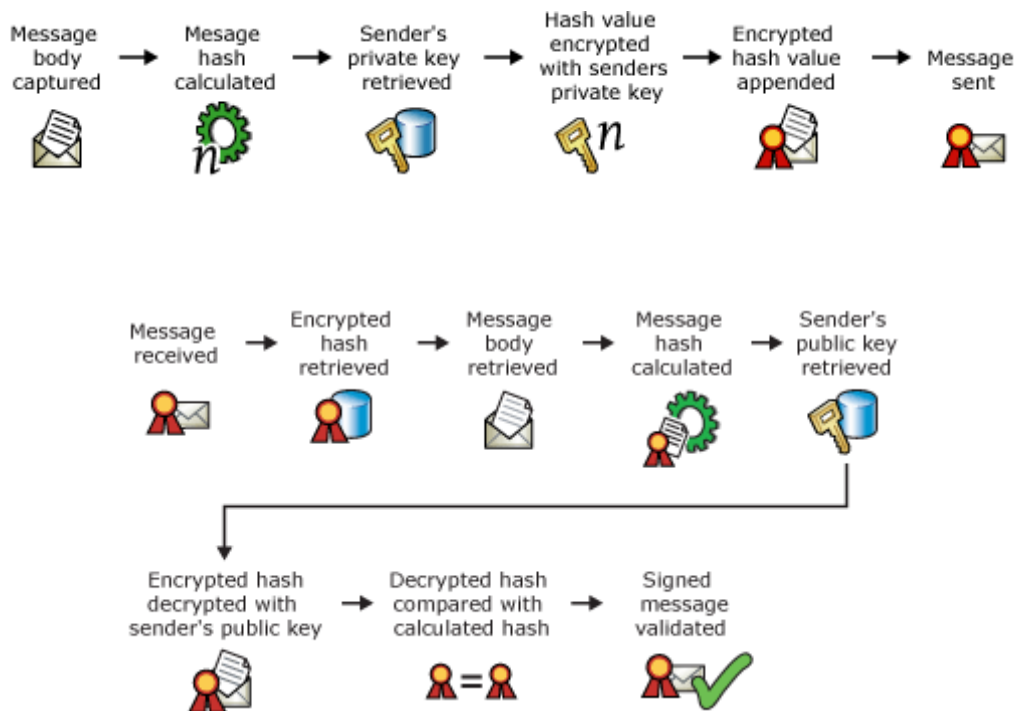
Figure 9



E-MAIL SIGNING

E-mail digital signing uses the **key pair** of the sender so that the recipient can verify the authenticity of the message. The process for e-mail signing is the same process used for general digital signing except that the original text is the e-mail message.

SIGNING PROCESS



Warning: the encryption function has deliberately not been used and this is not integrated into the digital certificate used.