

CodeSigning for Mozilla

Step 1- CodeSigning Certificate

- When your certificate is ready to be issued, you will receive an email with a link to download it.

no_reply@globalsig... Certificate Download Ready - OS201010150799: CodeSigning For Mozilla Certificate for GlobalSign LTD Fri 15/10/2010 08:54 6 KB

- If the PKCS#12 option was selected, you will be able to save this file to your signing machine.

Product Details - CodeSigning For Mozilla

Certificate Validity Required Multi-year offers significant per annum savings	<input checked="" type="radio"/> 1 year £175.07 <input type="radio"/> 2 year £316.07 <input type="radio"/> 3 year £468.82
Campaign Code	<input type="text"/> <input type="button" value="Apply"/> If you have a Campaign Code such as a Renewal Code please enter and click Apply. This page will be reloaded with your appropriate discount.
Coupon Code	<input type="text"/> <input type="button" value="Apply"/> If you have a one-off Coupon Code for a particular promotion please enter and click Apply. This page will be reloaded with your appropriate discount.
PKCS12 Option This option will create the public and private key on behalf of the subscriber. This is an alternative to the key generation taking place in the Subscriber's browser later in the application process.	<input checked="" type="checkbox"/> Yes, use PKCS#12 Option 

- Import the saved signing certificate to Internet Explorer's certificate store.
Tools -> Internet Options -> Content -> Certificates -> Personal Tab -> Import
- Create a folder to hold all the files. For example: c:\GlobalSign\MozillaCodeSigning
- If the PKCS#12 option was not selected, please refer to the download guide and Internet Explorer browser settings described:
http://www.globalsign.com/support/ordering-guides/CodeSigning_GCC_Certificate_Enrollment_Guide.pdf
- Export the certificate by selecting the Mozilla codesigning certificate from the certificate store.
Tools -> Internet Options -> Content -> Certificates -> Personal Tab -> Export
- Save this backup to the codesigning folder. Eg. c:\GlobalSign\MozillaCodesigning

Step 2- Review other tools

To successfully sign an xpi file you may require the following tools:

- 1- A recent version of Java JRE
- 2- JRE Unlimited strength files
- 3- A signing tool
- 4- An XPI file

Step 3- Signing XPI Files




Tools:

Java JRE: This example uses **JRE6**

<http://www.oracle.com/technetwork/java/javase/downloads/index-jsp-138363.html>

Download the “Java Cryptography Extension (JCE) Unlimited Strength Jurisdiction Policy Files ” and replace the files (**local_policy.jar** and **US_export_policy.jar**) in the Java folder (java/jre/lib/security) with the ones that you have downloaded.

<http://www.oracle.com/technetwork/java/javase/downloads/index-jdk5-jsp-142662.html>

 local_policy.jar	13/09/2004 16:12	Executable Jar File	3 KB
 trusted.libraries	20/08/2010 16:13	LIBRARIES File	14 KB
 US_export_policy.jar	13/09/2004 16:12	Executable Jar File	3 KB

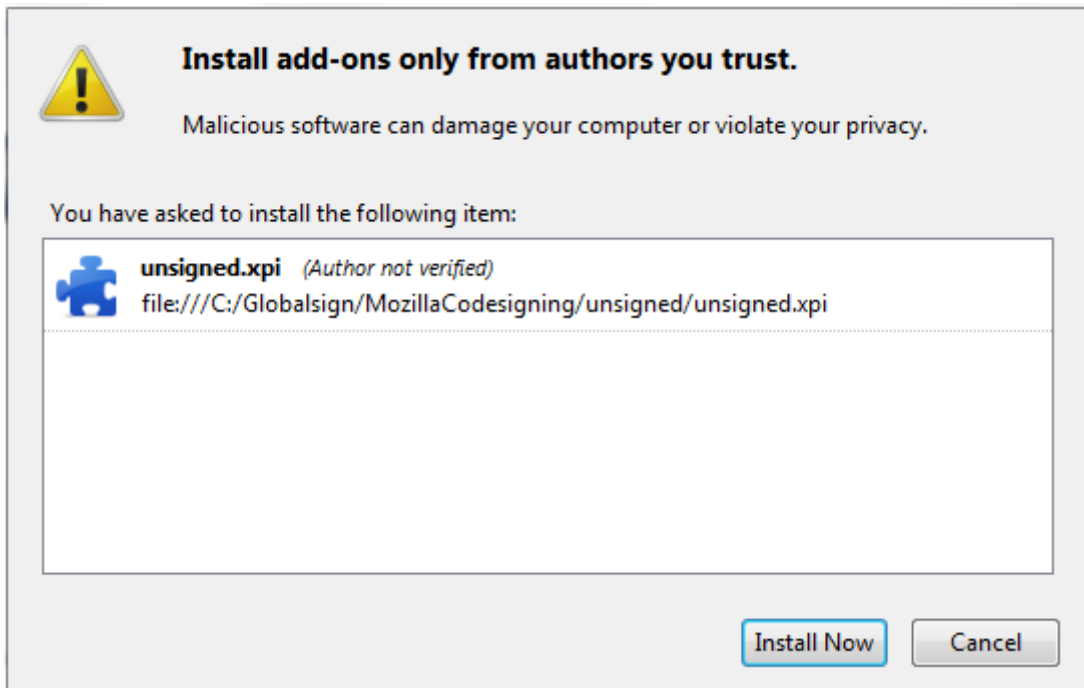
For this example, it was used the XPIsigner signing tool available to download from:

<http://o-regan.org/xpesigner-secure-your-firefox-extensions/download-xpesigner/>

Example

- Save the xpesigner package (xpesigner.cmd) downloaded to the MozillaCodeSigning folder
Eg: c:\globalsign\Mozillacodesigning
- Create a sub-folder within MozillaCodeSigning’s folder to hold unsigned xpi files.
Eg: c:\GlobalSign\MozillaCodeSigning\unsigned\unsigned.xpi
- Create a folder for signed files
C:\Globalsign\MozillaCodesigning\signed

- Note if you try to add the xpi file to a Firefox web browser before signing, you will get an unknown publisher message:



Open the command prompt shell

- In "c:/Globalsign/MozillaCodeSigning/unsigned>"
- Type all the locations of what is needed to sign and hit enter:
 - 1- Xpisigner (C:/globalsign/mozillaCodeSigning/xpisigner.cmd)
 - 2- Backup & Password (c:/globalsign/mozillaCodeSigning/signingcertificate.pfx password2010)
 - 3- Location of unsigned file; (c:/globalsign/mozillacodesigning/unsigned)
 - 4- Where you would like to create your signed file (note you can also rename the file) (c:/globalsign/mozillacodesigning/signed/signed.xpi)

```
C:\Globalsign\MozillaCodesigning\unsigned>c:/globalsign/mozillacodesigning/xpisigner.cmd c:/globalsign/mozillacodesigning/signingcertificate.pfx password2010 c:/globalsign/mozillacodesigning/unsigned c:/globalsign/mozillacodesigning/signed/signed.xpi
XPISigner v1.6

Excluding: [META-INF/manifest.mf, META-INF/zigbert.rsa, META-INF/zigbert.sf]
Overwriting: c:\globalsign\mozillacodesigning\signed\signed.xpi
Generated XPI...
  Filename:      C:\Globalsign\MozillaCodesigning\signed\signed.xpi
  Size:         58 kb
  Created at:   Mon Oct 18 14:34:52 BST 2010
  Signed by:    C=GB,ST=Kent,.,L=Maidstone,.,O=GlobalSign LTD,OU=Support,CN=GlobalSign LTD
  Num entries:  4
Done.
```

Browse to the signed folder and drag the file to a Firefox window.



Install add-ons only from authors you trust.

Malicious software can damage your computer or violate your privacy.

You have asked to install the following item:



signed.xpi *(GlobalSign LTD)*

file:///C:/Globalsign/MozillaCodesigning/signed/signed.xpi

Install Now

Cancel