

Addons Fix for 56.0.2 & older

https://www.reddit.com/r/firefox/comments/bkspmk/addons_fix_for_5602_older/

I cooked this up from the "normandy" hotfix - Firefox 56.0.2 doesn't have normandy.

From the hotfix which can be downloaded at: <https://storage.googleapis.com/moz-fx-normandy-prod-addons/extensions/hotfix-update-xpi-intermediate%40mozilla.com-1.0.2-signed.xpi>

If you want to manually run this on Firefox 57+ you use XPIDatabase instead of XPIProvider.

I extracted the certificate & turned it into a PEM format file:

```
-----BEGIN CERTIFICATE-----
MIIHlTCCBRWgAwIBAgIDEAAIMA0GCSqGSIb3DQEBAUAMH0xCzAJBgNVBAYTA1VT
MRwwGgYDVQQKEExNNb3ppbGxhIENvcnBvcnF0aW9uMS8wLQYDVQQLEyZnb3ppbGxh
IEFNTyBQcm9kdWNoaW9uIFNpZ25pbmcgU2Vydm1jZTEfMB0GA1UEAxMMwcm9vdC1j
YS1wcm9kdWNoaW9uLWlFtBzAeFw0xNTA0MDQwMDAwMDBaFw0xNTA0MDQwMDAwMDBa
MIGnMQswCQYDVQQGEJVVuZEcMBoGA1UEChMTT96aWxsYSBDb3Jwb3JhdGlvbjEv
MC0GA1UECXMmTW96aWxsYSBDbTU8gUHVjZHVHjdG1vbiB0aWduaw5nIFN1cnZpY2Ux
JjAkBgNVBAMTHXNpZ25pbmdjYUeYWRkb25zLm1vem1sbGEub3JnMSEwHwYJKoZI
hvcNAQkBFhJmb3hzZWNAW96aWxsYS5jb20wggiMA0GCSqGSIb3DQEBAQUAA4IC
DwAwggIKAoICAQC/qLuiiI+w06qGA4vH7cHvWvXpdju9JnvbnrbYmxhtUpfS68L
bdjGGtv7RP6F1XhHT4MU3v4GuMulH0E4WfalM8evsb3tBJRMPICJX5UCLi6VJ6J
2vipXSWBf8xboB+PY5Kk6L+EZiWaepiM23CdaZjNOJCAB6wFh1Ge+zUk87whpLa
7GrtrHjTb8u9TSS+mwjhgfpP8ILZrWhzb5H/ybgmD7jYaJGIDY/Wdmq1gVe03fSh
xD09M11P7H3805kbFLnbbqpc6n8SfUI31MiJAXAN2e6rAOM8EmocAY0EC5KUooX
KRSYvHzhwwHkwIbbe6QpTULIqvw1MP1QP57Zu/MBnVmyGTSqJxtYok1r0MaEXnJN
Y3g3FDf1R0Opp2/BEY9Vh3F3c9Pq6qWlhGoMyWdueoSya+GURqDbsuYnk7ZkysxK+
yRoFJ4x3TUBmMKM14jQKLgxvuzlWVn6qg6cw7ye/DYNufc+DSPSTSakSsWJ9IPx
iAU7xJ+GCMzaZ10Y3VG0ybGLuPxdlSd6KALaOmcL9ghB2mvfB0N3wv6uWnbKuxih
q/qDps+FjliNvr7C66mIVH+9rkyHIy6GgIUlwr7E88Qqw+SQeNeph6NIY85PL4p0
Y8KivKp4J928tpp18wLuHNbIG+YaUk5WUDZ6/2621pi19UZQ8iiHxN/XKQIDAQAB
o4IBiTCCAYUwDAYDVR0TBAAUwAwEB/zA0BgNVHQ8BAf8EBAMCAQYwFgYDVR01AQH/
BAwwCgYIKwYBBQUHAAwMwHQYDVR0OBBYEFBY++xz/DCuT+JsV1y2jwuZ4YdzTMIgo
BgNVHSMegaAwgZ2AFLO861h0q+FuEcqyq5wjHqhJLJe3oYGBpH8wFTELMakGA1UE
BhMCMVVMxHDAaBgnVBAoTE01vem1sbGEgQ29ycG9yYXRpb24xLzAtBgNVBAsTJk1v
em1sbGEgQU1PIFByb2R1Y3Rpb24GU2lnbm1uZyBTZXJ2aWNlMR8wHQYDVR0QDEExZy
b290LWNhLXByb2R1Y3Rpb24tYW1vvggEBMDMGCGSAGG+EIBBAQmFiRodHRwOi8v
YWRkb25zLm1vem1sbGEub3JnL2NhL2Nybc5wZW0wTgYDVR0eBECwRafDMCCChi5j
b250ZW50LXNpZ25hdHVyZS5tb3ppbGxhLm9yZzZafgh1jb250ZW50LXNpZ25hdHVy
ZS5tb3ppbGxhLm9yZzANBgkqhkiG9w0BAQwFAAOCAGeAX1PNli/zErw3tK3S9Bv8
03RV4tHkrMa5xztzx1Wja0VAUJKEQx7f1yM8vmcQJ9g5RE8Wfc43IePwzbAoum5F
4BTM7tqM//+e476F1YUgB7SnkDTPvBOnV5vRLz1Si4iJ/U0HUvMUvNJEweXvKg/D
NbXuCreSvTEAawmRIxqNYoaigQD8x4hCzGcVtIi5Xk2aMCJW2K/6JqkN50pnLBNk
Px6FeiYMJCp8z0FIz3fv53FHgu3oeDhi2u3VdONjK3aaFWtLKNiGeDU0/lr0suWf
QLsNyphTmBYKYtQYHxXYJno9PuNi7e1903PvM47fKB5bFmSLyzB1hB1YIVLj0/Y
qD4nz3lADDB91gMBB7vR2h5bRjFqL0xuOutNNcNRnv7UPqtVctLF2jVb4/AmdJU7
8jpfDs+BgY/t2bnGBVFBuwqS2Kult/2kth4YMrL5DrURIM8oXWVQRBKxZr843yDm
Ho8+2rqxLnZcmWoe8yQ41srZ4IB+V3w2TIAd4gxZAB0Xa6KfnR4D8RgE5sgmgQoK
7Y/hdvd9Ahu0WEZI8Eg+mDeCeojWcyJf+dt6c2oERiTmFTIFUoojEjJwLyIqHKt+
eApEYpF7imaWcumFN1jR+iUjE4ZSUoVxGtZ/Jdnkf8VVQMhiBA+i7r5PsfRHq+1q
TTGog+GzYx70moeJAT0zo4c=
-----END CERTIFICATE-----
```

Save the block including the BEGIN & END lines in a text file with the extension .pem

I saved mine as icfix.pem

Then import the certificate into firefox into firefox via:

1. "Options",
2. "Privacy & Security",

3. down to "Certificates"
4. View Certificates
5. Select "Authorities"
6. Import
7. Select the PEM file
8. Tick the checkboxes, then OK

Then in the browser console Ctrl+Shift+J you run the following two lines:

```
Components.utils.import("resource://gre/modules/addons/XPIProvider.jsm");  
XPIProvider.verifySignatures();
```

You may need to enable the browser console input mode via about:config Set devtools.chrome.enabled to true

All being well in the addons page everything should pop back to being enabled.

You may need to disable & enable some of the addons to kick them into life.

I had to restart to get classic theme restorer working again.

I have copy of this guide on my site at <https://www.velvetbug.com/benb/icfix/> along with the certificate pem file.

Fix for the firefox intermediate certificate expiry fiasco.

<https://www.velvetbug.com/benb/icfix/>

I cooked this up from the "normandy" hotfix - Firefox 56.0.2 doesn't have normandy.

From the hotfix: hotfix-update-xpi-signing-intermediate-bug-1548973 which can be downloaded:

<https://storage.googleapis.com/moz-fx-normandy-prod-addons/extensions/hotfix-update-xpi-intermediate%40mozilla.com-1.0.2-signed.xpi>

Once downloaded you can unzip it and examine: experiments/skeleton/api.js

The payload looks like:

```
/* eslint no-unused-vars: ["error", { "varsIgnorePattern": "skeleton" }]*/
ChromeUtils.defineModuleGetter(this, "XPIDatabase",
"resource://gre/modules/addons/XPIDatabase.jsm");

var skeleton = class extends ExtensionAPI {
  getAPI(/* context */) {
    return {
      experiments: {
        skeleton: {
          async doTheThing() {
            // first inject the new cert
            try {
              let intermediate =
"MIIHlTCCBRWgAwIBAgIDEAAIMA0GCSqGSIb3DQEBAUAMH0xCzAJBgNVBAYTA1VTRwGgYDVQQKEExNNb3ppbGxhIENvcnBv
cmF0aw9uMS8wLQYDVQQLEyZnbn3ppbGxhIEFNTyBQcm9kdWN0aw9uIFNpZ25pbmcmG2U2Vydm1jZTEfMB0GA1UEAxMwcm9vdC1jY
S1wcm9kdWN0aw9uLWFTbzAeFw0xNTA0MDQwMDAwMDBaFw0yNTA0MDQwMDAwMDBaMIIGnMQswCQYDVQQGEwJVUzEcMB0GA1UECh
MTT96awxsYSBDb3Jwb3JhdGlvb3JlbnRkb25zLm1vemlsbGEub3JnMSEwHwYJKoZIhvcNAQkBFhJmb3hzZWNAw96awxsYS55jb20w
ggIiMA0GCSqGSIb3DQEBBQUAA4ICDwAwggIKAoICAQC/qLuII+wO6qGA4vH7cHvWvXpdju9JnvwbnrbYmxhtUpfS68LbdjGG
tv7RP6F1XhHT4MU3v4GuMulH0E4Wfa1m8evsb3tBJRMJPICJX5UCLi6VJ6J2vipXSWBf8xhc0B+PY5Kk6L+EziWaepiM23Cda
ZjNOJCAB6wFH1Ge+zUk87whpLa7GrtrHjTb8u9TSS+mwjhvgfP8ILZrWhzb5H/ybgmD7jYaJGIDY/WDmq1gVe03fShxD09M11
P7H38o5kbFLnbbppqC6n8SfUI31MiJAXAN2e6rA0M8EmocAY0EC5KUooXKRsvYvHzhwwHkwiBbe6QpTUIIqvw1MPLQPs7Zu/MB
nVmyGTSqJxtYok1r0MaEXnJNY3g3FDf1R00pp2/Bey9Vh3Fc9Pq6qWihGoMyWdueoSYa+GURqDbsuYnk7ZkysxK+yRoFJu4x3
TUBmMKM14jQKLgXvuiZwVn6qg6cw7ye/DYNufc+DSPSTsaksSsWJ9IPxiAU7xJ+GCMzaZ10Y3VG0ybGLuPxdlSd6KALAOmc19g
hB2mvfB0N3wv6uWnbKuxihq/qDps+fjlinvr7C66mIVH+9rkyHIy6GgIUlwr7E88Qqw+SQeNeph6NIY85PL4p0Y8KivKP4J92
8tpp18wLuHNBIG+YaUk5WUDZ6/2621pi19UZQ8iiHxN/XKQIDAQAB04IBiTCCAYUwDAYDVR0TBAAUwAwEB/zA0BGNVH08BAF8E
BAMCAQYwFgYDVR0LAQH/BAwwCgYIKwYBBQUHAWMwHQYDVR00BBYEFBY++xz/DCuT+JsV1y2jwuZ4YdzTMIgoBgNVHSMegaAwg
Z2AFLO861h0q+FuEcqyq5wjHqhJLJe3oYGBpH8wfTELMakGA1UEBhMCMVwHDAaBGNVBAoTE01vemlsbGEgQ29ycG9yYXRpb2
4xLzAtBgNVBAsTJk1vemlsbGEgQU1PIFByb2R1Y3Rpb24GU2lnbm1uZyBTZXJ2aWw1MR8wHQYDVQQDEExZyb290LWNhLXByb2R
1Y3Rpb24tYW1vggEBMDMGCGSAGG+EIBBAQMFIRodHRwOi8vYWRkb25zLm1vemlsbGEub3JnL2NhL2Nybc5wZW0wTgYDVR0e
BEcwRaFDMCCChi5jb250ZW50LXNpZ25hdHVyZS5tb3ppbGxhLm9yZzAafgh1jb250ZW50LXNpZ25hdHVyZS5tb3ppbGxhLm9yZ
zANBgkqhkiG9w0BAQwFAAOCAGeAX1PNli/zErw3tK3S9Bv803RV4tHkrMa5xztzxlWja0VAUJKEQx7f1yM8vmcQJ9g5RE8Wfc
43IePwzbAoum5F4BTM7tqM//+e476F1YUgB7SnkDTPvBOnV5vRLz1Si4iJ/U0HUvMUvNJEweXvKg/DNBXuCreSvTEAawmRixq
NYoaignQD8x4hCzGcVtIi5Xk2aMCJW2K/6JqkN50pnLBNkPx6FeiYMJCp8z0FIz3fv53FHgu3oeDhi2u3VdONjK3aaFwTLKniG
eDU0/lr0suWfQLsNypHTmBYKyTqQYHxXYJno9PuNi7e1903PvM47fKB5bFmSLyZb1hB1YIVLj0/YqD4nz31ADDB91gMBB7vR2
h5brJfQLOxuOutNNcNRnv7UPqtVCtLF2jVb4/AmdJU78jpfDs+Bgy/t2bnGBVFBuwqS2Kult/2kth4YMrL5DrURIM8oXWVQRB
KxZr843yDmHo8+2rqxLnZcmWoe8yQ41srZ4IB+V3w2TIAAd4gxZAB0Xa6KfnR4D8RgE5sgmgQoK7Y/hdvd9Ahu0WEZI8Eg+mDe
CeojWcyjF+dt6c2oERITmFTIFUoojEjJwLyIqHkt+eApEYpF7imaWcumFN1jR+iUjE4ZSuoVxGtZ/Jdnkf8VVMhiBA+i7r5P
sfrHq+lqTTG0g+GzYx70moeJAT0zo4c=";
              let certDB = Cc["@mozilla.org/security/x509certdb;1"].getService(Ci.nsIX509CertDB);
              certDB.addCertFromBase64(intermediate, "", "");
              console.log("new intermediate certificate added");
            } catch (e) {
              console.error("failed to add new intermediate certificate:", e);
            }
          }
        }
      }
    };
  }
};

// Second, force a re-verify of signatures
try {
  XPIDatabase.verifySignatures();
  console.log("signatures re-verified");
}
```


7. Select the PEM file
8. **Tick the checkboxes**, then OK

Then in the browser console Ctrl+Shift+J you run the following two lines:

```
Components.utils.import("resource://gre/modules/addons/XPIProvider.jsm");  
XPIProvider.verifySignatures();
```

You may need to enable the browser console input mode via about:config
Set devtools.chrome.enabled to true

If you want to manually run this on Firefox 57+ you use XPIDatabase instead of XPIProvider.

You then restart firefox.

Most addon should start working, some (umatrix) have UIs that won't work until you disable & then enable them.

**Отключить проверку цифровой подписи через установку в about:config переменной
«xpinstall.signatures.required» в значение «false»**