

Re: SSL/https not working

Source:

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.platbuilder/2004-06/0510.html>

From: John Spaith [MS] (jspaith_at_ONLINE.microsoft.com)

Date: 06/11/04

Date: Fri, 11 Jun 2004 08:29:24 -0700

D'oh -sorry about that. Someone on another thread posted the question I answer and I assumed that was what you were asking too.

--

John Spaith

Software Design Engineer, Windows CE

Microsoft Corporation

Have an opinion on the effectiveness of Microsoft Embedded newsgroups? Let us know!

<https://www.windowembeddedeval.com/community/newsgroups>

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"Dante" <Dante@discussions.microsoft.com> wrote in message news:1D184C38-4207-4F45-9597-60CC228ACF73@microsoft.com...

> I'm not trying to get a CE Web server with SSL. I'm trying to access a secure website from my device on a typical web server, like <https://paypal.com> for example.

>

> "John Spaith [MS]" wrote:

>

> > You also need to install a server certificate for the CE Web Server and tell

> > the web server to use that certificate. Here are instructions that will > > work if your device has a UI and control panel. We're looking right now at

> > how to get SSL certs on headless devices in a relatively easy fashion. This

> > can be a very hard problem because you want the certificate subject name to

> > be the same as the machine itself. If a user changes the machine name then

> > you'd have to get a new cert, for example.

> >

> > HOW TO SETUP SERVER CERTIFICATE FOR WINCE WEB SERVER/SSL ON A DISPLAY BASED

> > DEVICE

> > Stage I - Getting the certificate

> > (1) Open <http://Server>/certsrv/> (This is a cert server running Windows 2000 or Windows 2003 that will create the certificate for you.

> > You're on your own to figure out how to install this. Non Windows Cert > > Servers will also work I'm sure, but the setup will obviously be different.)

> > (2) Select "Request a Certificate"

> > (3) Select "advanced certificate request."

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> > (4) Select "Create and submit a request to this CA. "
> > (5) Fill in identifying information. "Name" should be the name of the
> > machine you're requesting cert for
> > (6) In "Type of Certificate Needed", select "Server Authentication
> > Certificate"
> > (7) Under "Key Options", select "Mark keys as exportable" and also
> > "Export
> > keys to file". Enter a file on your harddrive when this appears
> > (8) Select "Submit"
> > (9) Acknowledge all the security warnings that appear. Enter a password
> > for
> > the private key once it comes up.
> > (10) On new page, select "Download the certificate" and save it to your
> > hard
> > drive.
> >
> > You now have on your harddrive 2 files. One is the certificate (.cer)
> > and
> > the other the private key (.pvk)
> >
> >
> > Stage II - Install the certificate on the WinCE device (Display based
> > devices)
> > (1) Copy the 2 files from stage (I) to your device
> > (2) In the Control Panel, select "Certificates".
> > (3) Select the "My Certificate" store
> > (4) Select Import. When dialog box comes up, select "From a file".
> > Select
> > the .cer file and import it.
> > After completing this, you will see the certificate subject name in the
> > list
> > of certs in "My Certificate" store.
> > (5) Select Import and again "from a file". Change the file type from
> > Certificates to "Private Keys". Select the .pvk that you created in
> > Stage
> > I. Enter the password you created for it when prompted.
> >
> > Now the certificate is registered
> >
> > III - Get Web Server to know it should use this certificate
> > (1) Add the following registry (it's OK to have this burned into the
> > image)
> > [HKEY_LOCAL_MACHINE\COMM\HTTPD\SSL]
> > "IsEnabled"=dword:1
> > "CertificateSubject"="<certificate subject name from previous Stages>"
> >
> > (2) You must refresh the web server to have it re-read the certificate
> > information. Even if the proper settings were burned into ROM, you must
> > still do the refresh after installing the certificate. You can do this
> > via
> > 'services refresh HTP0:"
> >
> > --
> > John Spaith
> > Software Design Engineer, Windows CE
> > Microsoft Corporation
> >
> > Have an opinion on the effectiveness of Microsoft Embedded newsgroups?
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> >
> > "Dante" <anonymous@discussions.microsoft.com> wrote in message
> > news:01853E1D-D160-4E82-A4F7-EC6F679B0CE8@microsoft.com...
> > > From my device, when i go to a secure website (https://theaddress.com) from internet explorer, it says page cannot be displayed. If i go to any non secure site (http://theaddress.com) it works fine. So what do i need to add to platform builder to get SSL to work?
> > >
> > > I already added "Schannel(SSL/TLS)" from platform builders catalog and i am using iesample.exe for internet explorer. And if i go to internet options from internet explorer, i see that SSL 2.0 and SSL 3.0 are both checked.
I
> > am using platform builder 4.2.
> >
> >
> >