

HttpRequest not finding SSL client certs in the 'Local Computer' store

Source:

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Hi,

I am trying to make a call to a web service using HttpRequest. HttpRequest finds SSL server cert from the 'Trusted Root CAs' store of 'Local Computer' but it does not seem to find SSL client certs from the 'Personal' store of 'Local Computer'. If I just move the SSL client certs into the 'Personal' store of 'Current User', then HttpRequest finds them.

I had read somewhere that the problem of HttpRequest not looking for certs in the Local Computer stores was fixed in the latest release of the .NET framework. Is that only fo the server's cert?

I am using the .NET faremework 1.1 (v1.1.4322). I have a web service client that does not use WSE 2.0 but uses HttpRequest directly. The web service itself requires SSL client auth.

Setup:

STEP 1: I imported the SSL server cert into the 'Trusted Root CAs' store of the Local Computer (thru the mmc).

STEP 2: I imported the SSL client cert into the 'Personal' store of the Local Computer (thru the mmc).

STEP 3: I exported the client cert (without exporting the private keys) into a DER encoded .CER file.

Code:

1: I used X509Certificate.CreateFromCertFile() to create a X509Certificate object from the .CER file created in STEP 3 above.

2: I added this cert to the HttpRequest using httpRequest.ClientCertificates.Add(cert);

However the cert is not being sent to the web service.

Now, if in STEP 2, I import the SSL client cert into the 'Personal' store of the Current User (and remove it from the the 'Personal' store of the Local Computer), then eveything works fine and the client cert is successfully sent to the web service (note: the server cert is still in the Local Computer store).

The reason I need the client and server certs in the Local Computer stores is because I need to put this client into an ASP.NET web page.

Thanks

Hari