

SSL question on async data

Source: <http://www.derkeiler.com/Newsgroups/microsoft.public.inetserver.iis.security/2002-06/0930.html>

From: J. v.d. Bovenkamp (joostb@sps.nl)

Date: 06/07/02

From: "J. v.d. Bovenkamp" <joostb@sps.nl>

Date: Fri, 7 Jun 2002 14:40:37 +0200

first of all, this post probably won't belong in this NG, posted it in some other NG's, but hey, you never know, right?

OK, here it goes, starting with the situation:

I have made a Web Service with .NET remoting classes, which is running under IIS. It has some methods which are accessible by some client applications. These methods will return immediatly so the client can do some other stuff. The information is returned in the form of events, which can happen at any time. I have developed this web service with the use of SSL in my head, so SSL will encrypt this information (WMI information). now i am at the point of testing the web service with SSL enabled. So i installed an SSL certificate on the Web Server, created a test site, checked if the data was really encrypted with a packet analyser, and indeed it was encrypted.

Now i enabled SSL on the virtual directory containing my web service, almost everything works well. When calling a method on the web service, all data gets encrypted (pulling data from the web server/service), when analysing the packets, the data goes through port 443 and everything goes well. But the events which are pushing data out from the Web Service to the client isn't encrypted. the data isn't sent over port 443.

It seems that when a client initiates a request, this request is encrypted, and within this request, the result (pulling data) is also encrypted. But when the server initiates a data request (pushing data) to the cliënt, this data isn't encrypted.

So my question is why this behaviour? is this normal? and is it possible to disable this behaviour so all data in a single session is encrypted (pulled or pushed)

what i know of SSL, that it should work on all data sent between client and server within a single session.

Hope you guys can help me with this, or partially help me.