

https, certificates, and: The underlying connection was closed: An unexpected error occurred on a send.

## https, certificates, and: The underlying connection was closed: An unexpected error occurred on a send.

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*Source:*

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- *From:* [Matthew.DelVecchio@xxxxxxxxxxxxxxxxxxxxx](mailto:Matthew.DelVecchio@xxxxxxxxxxxxxxxxxxxxx)
  - *Date:* 6 May 2005 10:57:46 -0700
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hello,

i am developing an ASP.NET web app that consumes a 3rd party vendor webservice. it is my first one so while ive done my homework, im not an expert on the matter.

our partner's webservice operates on SSL via an "https:// url. they also gave me a .PFX certificate which ive installed via window's MMC utility, into the "Computer account"'s Personal store: as indicated by articles id found. i then export a .CER to the filesystem which my C#.NET picks up. lastly, we attach our username/pw credentials. the relevant code:

```
//costco webservice proxy object  
PartnersProxyClass ws = new PartnersProxyClass();  
  
//load certificate for costco intranet account  
X509Certificate cert =  
X509Certificate.CreateFromCertFile("c:\temp\foo.cer");  
  
//add cert to ws  
ws.ClientCertificates.Add(cert);  
  
//add authentication info to ws  
ws.Credentials = new NetworkCredential("foo user", "foo pw");  
  
//hit ws and get a returned obj  
WsMember member = ws.read(customerID);
```

...this works on my Windows XP dev machine, as well as on our Windows 2000 test machines. however, when we publish it to our Windows 2000 production webfarm, operating on BigIP, it does work. .NET reports this on the .read() attempt:

"The underlying connection was closed: An unexpected error occurred on

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a send."

...and, looking into our event log, i see this:

"The SSL client credential's certificate does not have a private key information property attached to it. This most often occurs when a certificate is backed up incorrectly and then later restored. This message can also indicate a certificate enrollment failure."

i dont have access to the machine (big company) to try hitting the URL via IE. however, i \*did\* write & install a command-line (DOS) .NET program that does a simple test and hits the webservice several times using the same code. \*it works!\* but our ASP.NET does not. this seems key.

...i am trying to figure out what it all means and how to fix it. ive read a dozen posts or so, and am exploring those options. but if anyone can relate to our situation, i would appreciate it.

thanks!  
matt

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- **Follow-Ups:**
    - ◆ **Re: https, certificates, and: The underlying connection was closed: An unexpected error occurred on a send.**
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