

RE: WSE 3.0 X.509 certs problem

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.webservices.enhancements/2006-06/>

- *From:* sandyMimie <sandyMimie@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Tue, 20 Jun 2006 07:55:01 -0700
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Hello!

Please I need your help because you had done a lot of experimenting with WSE 2.0 and you it all seemed to work.

I am working now with WSE 2.0 and I want to encrypt a soap message and decrypt it using X509 certificate. I use WSE2QuickStartServer and WSE2QuickStartClient given by WSE in their Samples.

I think that encryption walk well. but when I call my proxy:
secureWSWSE myProxy = new secureWSWSE();
int value = myProxy.myWebService();

I have an exception: System.InvalidOperationException Private Key is not available, Please try later.

Why? I encrypt using code and I decrypt using Policy as we can see in WSE help.

Please could you help me? Thanks

"Bill44077" wrote:

Hello,

I had done a lot of experimenting with WSE 2.0 and it all seemed to work after a fashion. I have recently installed WSE 3.0 and went through the setup several times to try an figure out why the X.509 certs don't seem to be working correctly. I have a simple HelloWorld program that I am trying to secure with these certs – no rocket science here. I have added and removed the policies from both client and service side several times thinking I must have set something up incorrectly. None the less, I am using the test certs that came with the hands on labs so I have a Client Cert, and a server Cert which has a private and public key. Here are the errors that I get in the app event log:

Event Type: Error
Event Source: Microsoft WSE 3.0
Event Category: None
Event ID: 0
Date: 6/9/2006

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Time: 3:15:55 PM

User: N/A

Computer: OHBOCXX99RMRVK

Description:

An error occurred processing an outgoing fault response.

Details of the error causing the processing failure:

System.InvalidOperationException: Send security filter on the server could not retrieve the operation protection requirements from the operation state.

at

Microsoft.Web.Services3.Security.SecureConversationServiceSendSecurityFilter.SecureMessage(SoapEnvelope envelope, Security security)

at

Microsoft.Web.Services3.Security.SendSecurityFilter.ProcessMessage(SoapEnvelope envelope)

at Microsoft.Web.Services3.Pipeline.ProcessOutputMessage(SoapEnvelope envelope)

at

Microsoft.Web.Services3.WseProtocol.GetFilteredResponseEnvelope(SoapEnvelope outputEnvelope)

The SOAP fault that was being processed follows:

<soap:Envelope xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/>
<soap:Header>

<wsa:Action>http://schemas.xmlsoap.org/ws/2004/08/addressing/fault</wsa:Action>

<wsa:MessageID>urn:uuid:149c64e0-c4a1-416a-b9f9-89a4b1d076a9</wsa:MessageID>

<wsa:RelatesTo>urn:uuid:5fcec70c-c985-4a2f-84e0-08075a07aca6</wsa:RelatesTo>

<wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
</soap:Header>

<soap:Body>

<soap:Fault>

<faultcode

xmlns:prefix2="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd>prefi

<faultstring>System.Web.Services.Protocols.SoapHeaderException:

Microsoft.Web.Services3.Security.SecurityFault: The security token could not be authenticated or authorized ---> System.Security.SecurityException:

WSE3003: The certificate's trust chain could not be verified. Please check if the certificate has been properly installed in the Trusted People Certificate store. Or you might want to set allowTestRoot configuration section to true if this is a test certificate.

at

Microsoft.Web.Services3.Security.Tokens.X509SecurityToken.VerifyChain(X509Chain chain)

at Microsoft.Web.Services3.Security.Tokens.X509SecurityToken.VerifyTrust()

at Microsoft.Web.Services3.Security.Tokens.X509SecurityToken.Verify()

at

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Microsoft.Web.Services3.Security.Tokens.X509SecurityTokenManager.VerifyToken(SecurityToken token)
at
Microsoft.Web.Services3.Security.Tokens.SecurityTokenManager.LoadBinarySecurityToken(XmlElement element)
The Zone of the assembly that failed was:
MyComputer
---- End of inner exception stack trace ----
at
Microsoft.Web.Services3.Security.Tokens.SecurityTokenManager.LoadBinarySecurityToken(XmlElement element)
at
Microsoft.Web.Services3.Security.Tokens.SecurityTokenManager.GetTokenFromXml(XmlElement element)
at Microsoft.Web.Services3.Security.Security.LoadToken(XmlElement element, SecurityConfiguration configuration, Int32& tokenCount)
at Microsoft.Web.Services3.Security.Security.LoadXml(XmlElement element)
at Microsoft.Web.Services3.Security.Security.CreateFrom(SoapEnvelope envelope, String localActor, String serviceActor)
at
Microsoft.Web.Services3.Security.ReceiveSecurityFilter.ProcessMessage(SoapEnvelope envelope)
at Microsoft.Web.Services3.Pipeline.ProcessInputMessage(SoapEnvelope envelope)
at Microsoft.Web.Services3.WseProtocol.FilterRequest(SoapEnvelope requestEnvelope)
at Microsoft.Web.Services3.WseProtocol.RouteRequest(SoapServerMessage message)
at System.Web.Services.Protocols.SoapServerProtocol.Initialize()
at System.Web.Services.Protocols.ServerProtocolFactory.Create(Type type, HttpContext context, HttpRequest request, HttpResponse response, Boolean& abortProcessing)</faultstring>
<faultactor>http://localhost:3577/DemoWS/Service.asmx</faultactor>
</soap:Fault>
</soap:Body>
</soap:Envelope>

For more information, see Help and Support Center at
<http://go.microsoft.com/fwlink/events.asp>.

2nd error:

Event Type: Error
Event Source: Microsoft WSE 3.0
Event Category: None
Event ID: 0
Date: 6/9/2006
Time: 3:15:55 PM
User: N/A
Computer: OHBOCXX99RMRVK

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Description:

System.ApplicationException: WSE841: An error occurred processing an outgoing fault response. ---> System.Web.Services.Protocols.SoapHeaderException: Microsoft.Web.Services3.Security.SecurityFault: The security token could not be authenticated or authorized ---> System.Security.SecurityException: WSE3003: The certificate's trust chain could not be verified. Please check if the certificate has been properly installed in the Trusted People Certificate store. Or you might want to set allowTestRoot configuration section to true if this is a test certificate.

at

Microsoft.Web.Services3.Security.Tokens.X509SecurityToken.VerifyChain(X509Chain chain)

at Microsoft.Web.Services3.Security.Tokens.X509SecurityToken.VerifyTrust()

at Microsoft.Web.Services3.Security.Tokens.X509SecurityToken.Verify()

at

Microsoft.Web.Services3.Security.Tokens.X509SecurityTokenManager.VerifyToken(SecurityToken token)

at

Microsoft.Web.Services3.Security.Tokens.SecurityTokenManager.LoadBinarySecurityToken(XmlElement element)

The Zone of the assembly that failed was:

MyComputer

--- End of inner exception stack trace ---

at

Microsoft.Web.Services3.Security.Tokens.SecurityTokenManager.LoadBinarySecurityToken(XmlElement element)

at

Microsoft.Web.Services3.Security.Tokens.SecurityTokenManager.GetTokenFromXml(XmlElement element)

at Microsoft.Web.Services3.Security.Security.LoadToken(XmlElement element, SecurityConfiguration configuration, Int32& tokenCount)

at Microsoft.Web.Services3.Security.Security.LoadXml(XmlElement element)

at Microsoft.Web.Services3.Security.Security.CreateFrom(SoapEnvelope envelope, String localActor, String serviceActor)

at

Microsoft.Web.Services3.Security.ReceiveSecurityFilter.ProcessMessage(SoapEnvelope envelope)

at Microsoft.Web.Services3.Pipeline.ProcessInputMessage(SoapEnvelope envelope)

at Microsoft.Web.Services3.WseProtocol.FilterRequest(SoapEnvelope requestEnvelope)

at Microsoft.Web.Services3.WseProtocol.RouteRequest(SoapServerMessage message)

at System.Web.Services.Protocols.SoapServerProtocol.Initialize()

at System.Web.Services.Protocols.ServerProtocolFactory.Create(Type type, HttpContext context, HttpRequest request, HttpResponse response, Boolean& abortProcessing)

--- End of inner exception stack trace ---

For more information, see Help and Support Center at

<http://go.microsoft.com/fwlink/events.asp>.

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I have google'd and seached to no avail. Has anyone seen this error or can tell me what the problem might be. I have been struggling with this one all day long.

thanks in advance!
BillC