

RE: Web Service Implementation Security Question

Source: <http://www.derkeiler.com/Newsgroups/microsoft.public.inetserver.iis.security/2005-08/0023.html>

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Steve,

The XMLSerialization seems to be used for both the Framework temporary directory and the %windir%\temp directory. When the service was first placed on the server I received the following exception:

```
System.Web.Services.Protocols.SoapException: Server was unable to process
request. ----> System.InvalidOperationException: Unable to generate a
temporary class (result=1). error CS2001: Source file
'C:\WINDOWS\TEMP\o8pdvxp.0.cs' could not be found error CS2008: No inputs
specified at System.Xml.Serialization.Compiler.Compile(Assembly parent,
String ns, CompilerParameters parameters, Evidence evidence) at
System.Xml.Serialization.TempAssembly.GenerateAssembly(XmlMapping[]
xmlMappings, Type[] types, String defaultNamespace, Evidence evidence,
CompilerParameters parameters, Assembly assembly, Hashtable assemblies) at
System.Xml.Serialization.TempAssembly..ctor(XmlMapping[] xmlMappings, Type[]
types, String defaultNamespace, String location, Evidence evidence) at
System.Xml.Serialization.XmlSerializer.FromMappings(XmlMapping[] mappings,
Type type) at
System.Xml.Serialization.XmlSerializer.FromMappings(XmlMapping[] mappings) at
System.Web.Services.Protocols.SoapServerType..ctor(Type type, ProtocolsEnum
versionsSupported) 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 ---- System.Exception
```

Notice the location of the source file is the %windir%\Temp directory.

At this point I configured a test environment that mirrored the production server settings for the %windir%\Temp directory. I received the same error. Changing the permission setting on the %win%\Temp to allow my Application Pool Identity access to the %windir%\Temp directory solved the InvalidOperationException.

microsoft.public.inetserver.iis.security: RE: Web Service Implementation Security Question

Now the system administrator on the server has a template/script for locking down the security on the server, which caused changes to the permissions in many directories and system objects. He has a problem with IIS and ASP.NET using the %windir%\Temp directory as listed in the InvalidOperationException above. So I set the compilation element's tempDirectory attribute within my web.config to point to another directory. Set the permissions such that only the Application Pool's Identity could use it. Now he