

RE: asp.net WS support for CF platforms

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Hi Chuck,

I have investigated your issue and could not find any documentation referring to ASP .NET WS Enhancements support for .NET CF.

If you do not want to use SSL, you may implement a custom form of channel security when using XML Web Services by employing a SOAP extension. SOAP pre and postprocessor provides extensibility to the normal ASP .NET processing of a Web Service and can be used by both the Web application hosting the Web Service in IIS and in the Compact Framework application that consumes the Web Service on the device.

You can develop the extension by creating a class that inherits from the SoapExtension class in the System.Web.Services.Protocols namespace. Within in the class, you can override methods such as ProcessMessage and ChainStream to inspect and alter the message, for example, to encrypt and decrypt the body of a SOAP message by calling private methods in the class.

Encrypt/Decrypt is another story which you should be very careful. .NET CF does not provide necessary methods for encryption/decryption. However you can p/invoke down to Crypto API of Windows CE .NET. You should be very careful while encrypting/decrypting as this process will be divided between the desktop and the device. You should be using the same key, same key size and same algorithms on both platforms. By default Pocket PC 2002 does not support 128-bit encryption. If you are targeting both '02 and '03 devices, you should better set your key size to 40-bits or install High Encryption Pack to PPC 2002 devices.

Thanks

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