

# Binary of HTTP config issues

**Source:**

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.remoting/2004-09/0016.html>

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I have tried:

Server Web.config:

```
<system.runtime.remoting>
  <application>
    <channels>
      <channel ref="http">
        <serverProviders>
          <formatter ref="binary" typeFilterLevel="Full" />
        </serverProviders>
      </channel>
    </channels>
    <service>
      <wellknown mode="SingleCall" type="NFC.UserManagement.UserManager,
NFC.UserManagement" objectUri="UserManager.rem" />
    </service>
  </application>
</system.runtime.remoting>
```

Windows Client:

```
<system.runtime.remoting>
  <application>
    <channels>
      <channel type="System.Runtime.Remoting.Channels.Http.HttpChannel,
System.Runtime.Remoting"/>
      <clientProviders>
        <formatter
type="System.Runtime.Remoting.Channels.BinaryClientFormatterSinkProvider,
System.Runtime.Remoting" />
      </clientProviders>
    </channel>
  </channels>
</application>
</system.runtime.remoting>
```

AND:

Server web config:

```
<channels>
  <channel ref="http">
    <serverProviders>
      <formatter ref="binary" typeFilterLevel="Full" />
    </serverProviders>
  </channel>
</channels>
```

Client config:

```
<system.runtime.remoting>
  <application>
    <channels>
      <channel ref="http" port="0">
        <clientProviders>
          <formatter ref="binary" />
        </clientProviders>
      </channel>
    </channels>
  </application>
</system.runtime.remoting>
```

AND Countless other permutations. Using TCPTrace I can see what is being sent and recieved — it is either SOAP or it doesn't work. Consequently the same calls work if I use the following:

**SERVER:**

```
<channels>
  <channel ref="http">
    <serverProviders>
      <provider ref="wsdl" />
      <formatter ref="soap" typeFilterLevel="Full" />
    </serverProviders>
  </channel>
</channels>
```

**CLIENT:**

```
<channels>
  <channel ref="http" port="0">
    <clientProviders>
      <formatter ref="soap" />
    </clientProviders>
  </channel>
</channels>
```

Using the soap formater. If I attempt to specify the client formatter and leave the server empty then it works but inspecting the payload reveals that it is using SOAP. When I try to force binary it fails with the following

error:

Additional information: System.ArgumentNullException: No message was deserialized prior to calling the DispatchChannelSink.

Parameter name: requestMsg

at

System.Runtime.Remoting.Channels.DispatchChannelSink.ProcessMessage(IServerChannelSinkStack sinkStack, IMessage requestMsg, ITransportHeaders requestHeaders, Stream requestStream, IMessage& responseMsg, ITransportHeaders& responseHeaders, Stream& responseStream)

at

System.Runtime.Remoting.Channels.BinaryServerFormatterSink.ProcessMessage(IServerChannelSinkStack sinkStack, IMessage requestMsg, ITransportHeaders requestHeaders, Stream requestStream, IMessage& responseMsg, ITransportHeaders& responseHeaders, Stream& responseStream)

at

System.Runtime.Remoting.Channels.Http.HttpHandlerTransportSink.HandleRequest(HttpContext context)

at

System.Runtime.Remoting.Channels.Http.HttpRemotingHandler.InternalProcessRequest(HttpContext context)

What am I missing here? How do I set this up to work forcing the binary formatter over HTTP (hosted in IIS).

Thanks,

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