# Setting up the remote service projects for testing

The authentication method used relies heavily on corretly set up DNS because Kerberos is pretty prohibitive agains wrong configurations. To set up DNS names correctly on machines outside a windows domain, the primary DNS suffix must be set in the computer name configurations. The command

ipconfig /all

should give the currently set suffix.

# Turn on service debugging

Even if the service runs locally, debuging is not trivial and one must use the appropriate config file:

<?xml version="1.0" encoding="utf-8" ?>

<configuration>

<system.web>

<compilation debug="true" />

</system.web>

<system.diagnostics>

<sources>

<source name="System.ServiceModel"

switchValue="Information, ActivityTracing"

propagateActivity="true">

<listeners>

<add name="traceListener"

type="System.Diagnostics.XmlWriterTraceListener"

initializeData= "E:\Scratch\Temp\Traces.svclog" />

</listeners>

</source>

</sources>

</system.diagnostics>

</configuration>

It also turns on service trace logging which helps a lot finding WCF issues.

## WCF remoting and security

This thing can be rather tricky to set up, especially with Windows Authentication (Kerberos or NTLM) and delegation.

In case of the client and server running on the same machine, the endpoint address of the client and the server must be the host name (localhost will not do!). The other option is to turn of transport layer security, but in that case the user cannot be authenticated or otherwise identified by the service.