Practical 8: Capturing network traffic

**Introduction**

In this lab we will attempt to do the following:

1. Capture network traffic using WireShark
2. Build a .NET web service and client
3. Capture HTTP traffic using Fiddler
4. Send raw requests using Fiddler

**1. Install WireShark and use to capture traffic**

Download WireShark here: <http://www.wireshark.org/download.html>

Browse to [www.RTE.ie](http://www.RTE.ie), too much traffic

Use a filter (http) start capturing traffic

Analyse each protocol and its values

**2. Build a .NET SOAP web service with a wsdl file**

Just create a web service that adds two numbers and returns the result

**3. Build a .NET SOAP client service**

Just create a client console application that calls the add two numbers service via a generated proxy and prints it out to the screen

**4 Install Fiddler**

Get Fiddler here: <http://fiddler2.com/>

Capture traffic using fiddler

Send requests using fiddler (See <http://www.jsontest.com/>)

Attempt to send a request to the .NET web service

**5. For submission**

Submit a written report on this lab to [billy.stack@staff.ittralee.ie](mailto:billy.stack@staff.ittralee.ie) that explains what you learned.