[1 Introduction Error! Bookmark not defined.](#_Toc34959674)

# Introduction

Semantic metabolism and thus problem solving is related to:

* an improvement in your information environment
* an improvement in your observations
* a proper link between information environment and observation

Also refer to Group Problem Solving.doc

# Problem statement

The fact is that I can call a WCF service from my PC from the IDE, but when I deploy the very same application to RBKWEB06, I get a [SecurityNegotiationException].

According to the message displayed on the screen, it occurs on line 74 of login2.aspx.cs. This indicates that the exception actually has an inner exception, which I do not necessarily see.

# Information environment

This is what you document in WCF.doc.

# Diagnostic observation

Differentiate between debugging of the IIS and debugging of the service host and debugging of the service ( WCF p.255-, 612- ).

One can look at debugging from a number of perspectives:

* Follow the flow of the process by looking inside of the black box
* Try to work on progressively smaller sections of the process

It stands to reason that one will apply the diagnostic procedures in the sequence of the likelihood that it will reveal the missing information.

It is very important, when you do diagnostic tests to postulate in advance what results you expect to get. If you are not clear on this issue, you will not detect any deviations, and then all of your effort might be rendered useless.

## Remote debugging

Web Applications. Dotnet4 : 394.

## Successful security negotiation event

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| **-** | **System** |

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|  |  | |  |  | | --- | --- | | **-** | **Provider** |  |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  | [ **Name**] | ServiceModel Audit 4.0.0.0 | |

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|  |  | |  |  |  | | --- | --- | --- | | **-** | **EventID** | 5 |  |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  | [ **Qualifiers**] | 16390 | |

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|  |  | |  |  |  | | --- | --- | --- | |  | **Keywords** | 0x80000000000000 | |

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|  |  | |  |  | | --- | --- | | **-** | **TimeCreated** |  |  |  |  |  |  | | --- | --- | --- | --- | --- | |  |  |  | [ **SystemTime**] | 2011-10-26T08:41:14.000000000Z | |

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|  |  | |  |  |  | | --- | --- | --- | |  | **EventRecordID** | 22336 | |

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|  |  | |  |  |  | | --- | --- | --- | |  | **Channel** | Application | |

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|  |  | |  |  |  | | --- | --- | --- | |  | **Computer** | IT-RBK-077.avusa.johnnic.dom | |

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|  |  | |  |  | | --- | --- | |  | **Security** | |
| **-** | | **EventData** | | |

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|  |  |  | http://localhost:8000/MIMS.BigJob/Activator/MimsNtService |

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| --- | --- | --- | --- |
|  |  |  | http://schemas.xmlsoap.org/ws/2005/02/trust/RSTR/Issue |

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|  |  |  | AVUSA\ReitmannH; S-1-5-21-1935655697-1770027372-1801674531-1160 |

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|  |  |  | <null> |

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|  |  |  | SpnegoTokenAuthenticator |

## Inner exception

Call the inner exceptions recursively!

Will there be a difference between catching it in a Windows Form on your PC, versus on RBKWEB06. So, the question is, what makes the significant difference?

* Site
* User
* Scenario ( WCF p. 595 )
* S

Write to a file on the box, under normal users permission – add write permission.

## Following the process

Run the service on your local box

Ping the box.

Telnet the port.

Connect to the service.

Remote debugging

What I found is that, when working from IT-RBK-077, from the browser, an entry occurs in the Application log on MAGMIMS01, but when coming from RBKWEB06, there is nothing, which makes me think that the message does not even get that far, i.e. to the point of negotiation.

Try to run the Form version from Patricia’s computer.

IISRESET /stop and IISRESET /start

Then delete all the temporary files.

C:\WINDOWS\Microsoft.NET\Framework\v2.0.50727\Temporary ASP.NET Files

### Telnet diagnostics

Web application development. Dotnet4: 12-14.

To test that ports are open, telnet in both directions!

### Excluding the link to MAGMIMS01

Maybe, if you host the service on your own box, the response problem will vanish. You might even be able to ping your own box from RBKWEB06.

### Intranet versus intranet. What makes the difference?

# Link

# Plan of action

Read on where you specify the authorisation on the Server side.

Load the latest service on MAGMIMS01, including security logging to the Application event log

Test from WCFTest in debugger

Test from WCFTest outside debugger

Test from WCFTest outside debugger under different user – similar to IIS on RBKWEB06

Test from RBKWEB06 Windows Form application

Test from RBKWEB06 IIS application.