OIO Service Oriented Infrastructure

OIOSI RASP Library for .Net Version 2.2.0

Installation Guide

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1 Introduction

The OIOSI RASP Library for .Net is a Microsoft .Net based toolkit for implementation of RASP (Reliable Asynchronous Secure Profile) compliant business applications.

This document describes the steps needed before the RASP Library can be built and used.

The library can be downloaded from http://digitaliser.dk/group/405467/resources

2 System requirements

In all cases the following is needed
- **Microsoft Windows 7**, including the latest service packs
- **Microsoft Internet Information Services 5.0** or later
- **Microsoft Visual Studio 2012**
- **Microsoft .Net 3.5 Framework**
- **Port 80, 8080 and 8008 (HTTP) outgoing open**
- **Port 389 (LDAP) outgoing port**

To host your own RASP HTTP service you will also need
- **Port 80, 8080 and 8008 (HTTP) ingoing open**

3 Install Package

The OIOSI RASP Library is distributed as a zip file, which should simply be unzipped into any folder.

Note that projects within the release pack cannot be moved from their internal paths relative to each other. If so, library references must be updated.
The zip-package contains:

doc	Library documentation
lib	External libraries used by the OIOSI RASP Library
samples	Sample projects
src	The OIOSI RASP library source code
test	Unit and integration tests
dk.gov.oiosi.library.sln	Visual Studio 2012 solution file

3.1 Certificate

New feature in RASP 2.2 is that each .dll is signed by a Software Publisher Certificate (SPC). Digst has purchased a productive certificate that is used in the release cycle.
If you want to compile the code yourself (using the NAnt script), you must install the self-signed certificate located in 'certificates\SelfSigned\DigstSelfSignedSPC.pfx'. Alternative, you can add your SPC thumbprint to the System Enviroment Variable with the key 'DigstSPCThumbprint'.

3.2 NUnit (for running the NUnit sample test)

To run the NUnit test dll located in the test folder, NUnit needs to be installed locally on the machine. When installed the framework can be used to run NUnit tests and develop tests in Visual Studio. Follow the two simple steps to install NUnit:

1. Download the newest install version of NUnit for .Net from www.nunit.org.
2. Install the downloaded file.

Now NUnit tests can be executed from NUnit which is located under "start/all programs/NUnit.Net-version/NUnit.Net-version".

3.3 Test endpoints

Test endpoints can be found at the following location:

http://digitaliser.dk/resource/555072

4 Verifying Installation

To verify that the setup of the library has been done correctly it is recommended that one compiles the RaspClientTests solution and, tries running one of the test projects such as dk.gov.oiosi.test.request, or that the dk.gov.oiosi.test.nunit.library project is compiled and run in NUnit.

5 Uninstalling

Uninstalling the RASP Library is done by simply deleting the folders into which the library was unzipped.