

OIO Service Oriented Infrastructure

RASP Library for .Net

Version 1.3.0

Release Notes

BETA

Contents

1	Introduction	3
2	Release Content.....	4
3	What is changed?	5
3.1	RASP version 1.3.0	5
3.1.1	New features	5
3.1.2	Removals	5
3.1.3	Changes.....	5
3.1.4	Fixes	6
3.2	RASP version 1.2.3	6
3.3	RASP version 1.2.1	6
4	System Requirements	7
5	Installation	7
6	Configuration	7
7	Compatibility	7
8	Known Issues	7
9	Licenses	8

BETA

1 Introduction

The OIOSI RASP Library for .Net is a .Net based toolkit for implementation of RASP business applications.

This distribution is version 1.3.0.

The distribution is part of the OIOSI work for exchanging business documents in a secure and reliable way using the internet. See <http://www.digst.dk/Digitale-loesninger/NemHandel/For-it-udviklere> for more information.

The framework can be downloaded from <http://digitaliser.dk/resource/568018>.

BETA

2 Release Content

This release comprises the following deliverables:

- **dk.gov.oiosi.library.sln** – Main Visual Studio 2008 solution

Documentation:

- **OIOSI RASP Library for .Net Installation Guide.pdf**
- **OIOSI RASP Library for .Net Release Notes.pdf** – this document
- **OIOSI RASP Library for .Net Tutorials.pdf**

Samples

- **dk.gov.oiosi.samples.TestCertificate** – Test certificates using RASP
- **dk.gov.oiosi.samples.httpEndpointExample** – Deployable test endpoint
- **dk.gov.oiosi.samples.ClientExample** – A client example that can send a document
- **dk.gov.oiosi.samples.consolesClientExample** – A console client, use to send a user specific document

For testing (as sub components of the **RaspClientTests** solution file):

- **dk.gov.oiosi.test.request** – Sending test project
- **dk.gov.oiosi.test.testMailService** – Receiving test project
- **dk.gov.oiosi.test.extendedRequest** – Uddi, ldap and oasp test project
- **dk.gov.oiosi.test.nunit.library** – Nunit test project
- **dk.gov.oiosi.test.nunit.interop** – Nunit interoperability test project
- **dk.gov.oiosi.integration** – Nunit integration tests

Contributors to this release:

- Jacob Lund Mogensen, mySupply ApS
- Peter Sone Koldkjær, mySupply ApS
- Jens Madsen, Comcare

3 What is changed?

In the following part of the document, some issue numbers are mentioned – these numbers are internal numbers used by the Danish Agency for Digitisation, so please ignore these as external developer.

3.1 RASP version 1.3.0

Main purposes of this release have been:

- Support for oces2 certificates. This release has prepared and tested code to handle these new certificates. It will not be possible to start testing this in the general public before DanID later in 2012 opens the last infrastructure components. DanID will sometime in 2013 stop issuing oces1 certificates and at that time, the RASP 1.3.0 (or newer) will be mandatory in NemHandel. It will be announced when the date is set and notification will be given at least 6 months in advance.
- Optimize performance. Caches have been made configurable, memory consumption have been minimized, style-sheets are now pre-compiled, code is optimized – all to optimize the throughput of communication.

This release is fully compatible with RASP 1.2.1 and 1.2.3 when using oces1 certificates. The 1.3.0 release is not a patch release, due to several breaking changes.

In the provided Rasp Configuration file a number of default values for e.g. cache sizes have been proposed. These are only default values, and are intended to be changes by used upon need.

It is recommended to use the provided Rasp Configuration file as starting point. Please see the details below for configuration.

3.1.1 New features

- Oces2 certificates are now supported. OIORASP 1.3.0 is prepared for DanID to start issuing oces2 certificates.
- Schematron validation speed has been improved.
- New internal Rasp logger that can be used to get status information from inside the RASP. Can be replaced by another logging implementation, by updating the configuration file.
- Configurable cache and improved implementation.
- Schema and schematron validation is moved before the sending process begins.
- Update OIOSIMessage, so the receiving document can be received as a test string, instead of an XmlDocument (much faster processing, if the document is stored in e.g. database).

3.1.2 Removals

- Configuration of old VANS GW adapter removed from configuration files.

3.1.3 Changes

- <http://discoverybackup.uddi.ehandel.gov.dk/registry/uddi/inquiry> put in as default backup [621]
- BouncyCastle and other libraries are updated to latest version.
- December 2012 schematron files (version 1.3) put in as default files [668]

- All resources have been collected into one project. Project that need some resources, not link to the required resources.
- Schema is now placed correct, and loading of included schema, is also handled correct.
- Improved samples, that show how sending and receiving should be done.
- Use revocation CRL instead of OCSP.
- Rasp Request interface has changed.
- Implemented functionalities that can test certificates validity.
- Restructuring of source code for easy reading / debugging.
- Default location for schema and schematron files have changed, to get clearer file structure (related to how e.g. Schematron updates are released [633])

3.1.4 Fixes

- Xpath for KreditNota made absolute [367]
- Profile validation error in test-code [579]
- Code reference to .NET 3.0 stuff fixed [598]
- Enable code to allow SE as sender type [613]
- Field ServiceType always empty in UddiLookupResponse [637]
- Error in EndpointAddress corrected [644]

3.2 RASP version 1.2.3

The following features are new or have changed since version 1.2.1:

Non-breaking changes

- Updated the schematron style-sheets to the newest version.
- Added support for the Utility Statement document and profiles

Breaking changes

No known issues.

3.3 RASP version 1.2.1

The following features are new or have changed since version 1.2.0:

Non-breaking changes

- Updated the UDDI lookup so it can handle different conformance claims
- Updated the UDDI lookup so its possible to lookup all services that has been registered under a specific identifier.

Breaking changes

- Non known issues.

4 System Requirements

See "OIOSI RASP Library for .Net Installation Guide.doc"

5 Installation

See "OIOSI RASP Library for .Net Installation Guide.doc"

6 Configuration

With the version 1.3.0 it is now possible to control the sizing/timing of the caches. See "OIOSI RASP Library for Java Cache Overview 1.3.0.xlsx" for default cache values.

7 Compatibility

No compatibility issues.

8 Known Issues

- Calling Abort() on the request may occasionally crash if one tries to update configuration or shut down the application during sending. [as reported: <http://softwareborsen.dk/projekter/softwarecenter/serviceorienteret-infrastruktur/rasp-reference-client/issues/22/view>].

This is due to a bug in the WCF WS-RM implementation that Microsoft has recognised. [as reported:

<http://forums.microsoft.com/MSDN/ShowPost.aspx?PostID=2189376&SiteID=1>]

- There are some mail servers that have been reported to be incompatible with RASP, these are:
 - o Surftown
 - o Zitech
- Large XML-files are problematic and above 10mb is not supported by the client, further documents larger than 5mb might give timeout on slower connections. The 5mb limit is not exact because of variable as connection speed, memory and CPU speed differs to much on all machines.

9 Licenses

Some of the source code is licensed under the Mozilla Public License Version 1.1. The used license is stated below.

Please check each source file for a license declaration as some source code is licensed on other terms.

```
/*
 * The contents of this file are subject to the Mozilla Public
 * License Version 1.1 (the "License"); you may not use this
 * file except in compliance with the License. You may obtain
 * a copy of the License at http://www.mozilla.org/MPL/
 *
 * Software distributed under the License is distributed on an
 * "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express
 * or implied. See the License for the specific language governing
 * rights and limitations under the License.
 *
 *
 * The Original Code is .NET RASP toolkit.
 *
 * The Initial Developer of the Original Code is Accenture and Avanade.
 * Portions created by Accenture and Avanade are Copyright (C) 2009
 * Danish National IT and Telecom Agency (http://www.itst.dk).
 * All Rights Reserved.
 */
```

The Lesnikowski mail.dll library is a commercial library that ITST has bought a product license for. You may use the library, but not redistribute it. If you want to redistribute an application built with the RASP library, you may either buy a license for the existing mail library or substitute it with another by implementing the RASP mail provider interfaces.

The NUnit distributed is not a product of ITST. Following license is from the originator.

Portions Copyright © 2002-2007 Charlie Poole or Copyright © 2002-2004 James W. Newkirk, Michael C. Two, Alexei A. Vorontsov or Copyright © 2000-2002 Philip A. Craig