Kombit

Guideline for the .Net STS Test Signing Service

Version 1.0

# Introduction

The following document describes how to configure the .Net-based Test Signing Service.

After completing this guide, the .Net-based Test Signing Service will be configured.

Setting up the .Net-based Test Signing Service in IIS is outside the scope of this document. This is described in the document “All\_guideline\_setup sites IIS.docx”.

It is assumed that the reader is a .Net-developer knowledgeable in the following technologies used to develop this .Net-based sample. This includes:

* C#
* Microsoft.Net framework v4.5
* Microsoft Windows Server Operating System
* Microsoft Internet Information Systems (IIS)
* X509v3 Certificates

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# Prerequisites

This document requires that the following prerequisites are satisfied:

* Setting up the .Net-based samples according to the guide “All\_guideline\_setup sites IIS.docx”
* Logging is done to the folder c:\temp. This folder must exist for logging to work.

# Configuration Of The IIS Web Site

This guideline assumes that the URL of the STS Test Signing Service is: <https://adgangsstyringeksempler.test-stoettesystemerne.dk/STSTestSigningService>

If a different binding name was chosen, then the URL should reflect this.

## Configuration

A few properties in the configuration file, web.config, for STSTestSigningService may need to be updated:

We will need to make changes to the STSTestSigningService\web.config file:

* **SigningCertificateThumbprint**: The thumbprint of a certificate with private key that is used to sign the updated token.
  + This certificate must exist in LocalMachine\My
  + Network Service must be granted read permissions to it’s private key.
* **serilog:minimum-level**: specifies the level of logging. Log files are stored in the Logs\ folder, and Network Service must have write-access to this folder.
* **owin:AutomaticAppStartup**: tell the application that it should use OWIN middleware when hosting under IIS. This setting should be true.

## API Documentation

This service supports an interactive API documentation based on Swagger 2.0 specification.

After setting up the application, open the "Content\api-docs.json" file and change the **"basePath": "/{application endpoint}/api"** setting to /STSTestSigningService/api/

# Using The STS Test Signing Service

Browsing the following URL will present a greeting page, that shows how to invoke the service.

<https://adgangsstyringeksempler.test-stoettesystemerne.dk/STSTestSigningService>

Sample code which also demonstrates can be found in the class:

SecurityTokenServiceTestSigningControllerTest