Kombit

Guideline for the .Net STS Test Signing Service

Version 1.0

# STSTestSigningService

STS Test Signing Service

## 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.

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

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

## Setup

To use this sample do the following:

1. Either clone the repository <https://github.com/Safewhere/STSTestSigningService.git> to C:\STSTestSigningService, or unpack the provided zip-file STSTestSigningService.zip to C:\STSTestSigningService.
2. Open C:\STSTestSigningService\Kombit.Samples.STSTestSigningService.sln in Visual Studio, and build the solution.
3. Make sure an SSL certificate that covers the DNS name ststestsigningservice.projekt-stoettesystemerne.dk is present in LocalMachine\My certificate store.
4. Open the Hosts-file, and map the DNS name ststestsigningservice.projekt-stoettesystemerne.dk to 127.0.0.1.
5. Create a new IIS web application:
   1. The Site name should be ststestsigningservice.projekt-stoettesystemerne.dk
   2. The Physical pathshould be C:\STSTestSigningService\Kombit.Samples.STSTestSigningService
   3. The Binding type should be HTTPS
   4. The Host name should be ststestsigningservice.projekt-stoettesystemerne.dk
   5. Select an appropriate SSL certificate, that matches the host name chosen in the previous step
6. Grant the application pool identity for the web application read and execute permissions to C:\STSTestSigningService\
7. Import the certificate C:\STSTestSigningService\Certificates\certificate.p12 to LocalMachine\My.
8. Assign the application pool identity for the web application read permissions to the private key for the certificate imported in the previous step.
9. Open a browser and point it to [https://ststestsigningservice.projekt-stoettesystemerne.dk](https://ststestsigningservice.projekt-stoettesystemerne.dk/)

## Configuration Parameters

A few properties in the configuration file, web.config, for STSTestSigningService may need to be updated. The configuration file is located in C:\STSTestSigningService\Kombit.Samples.STSTestSigningService\web.config.

The following parameters can be changed:

* SigningCertificateThumbprint The thumbprint of a certificate with private key that is used to sign the updated token. The certificate must exist in LocalMachine\My.
* serilog:minimum-level Specifies the level of logging. Log files are stored in the Logs\ 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 (Open API) specification.

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