Kombit

Guideline for CH Test Signing Service

Version 1.0

# CHTestSigningService

Context Handler Test Signing Service

## Introduction

The following document describes how to configure the Context Handler (CH) Test Signing Service. After completing this guide, the CH 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/CHTestSigningService.git> to C:\CHTestSigningService, or unpack the provided zip-file CHTestSigningService.zip to C:\CHTestSigningService.
2. Open C:\CHTestSigningService\Kombit.Samples.CHTestSigningService.sln in Visual Studio, and build the solution.
3. Make sure an SSL certificate that covers the DNS name chtestsigningservice.projekt-stoettesystemerne.dk is present in LocalMachine\My certificate store.
4. Open the Hosts-file, and map the DNS name chtestsigningservice.projekt-stoettesystemerne.dk to 127.0.0.1.
5. Create a new IIS web application:
   1. The Site name should be chtestsigningservice.projekt-stoettesystemerne.dk
   2. The Physical pathshould be C:\CHTestSigningService\Kombit.Samples.CHTestSigningService
   3. The Binding type should be HTTPS
   4. The Host name should be chtestsigningservice.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:\CHTestSigningService\
7. Import the certificate C:\CHTestSigningService\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://chtestsigningservice.projekt-stoettesystemerne.dk](https://chtestsigningservice.projekt-stoettesystemerne.dk/)

## Configuration Parameters

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