



Installation & Help Guide

SigWeb Browser SDK

Version 1.7
January 11, 2021

Copyright © 2021 Topaz Systems Inc. All rights reserved.

For Topaz Systems, Inc. trademarks and patents, visit www.topazsystems.com/legal.

Table of Contents

Installation.....	3
Requirements.....	3
First-Time Install Steps.....	3
Re-Installation Steps	4
SigWeb Test Utility	5
SigWeb Cert Checker Software Package.....	5
Background.....	5
Overview	5
Process Description	5
SigWebCertCheckerConfigs.xml	6
<i>Description</i>	6
<i>Configurations</i>	6
PFXConfigs.xml	7
<i>Description</i>	7
<i>Configurations</i>	7
Help & Support	7

Installation

Requirements

- Microsoft .NET Framework Version 4.7.1 or later required.

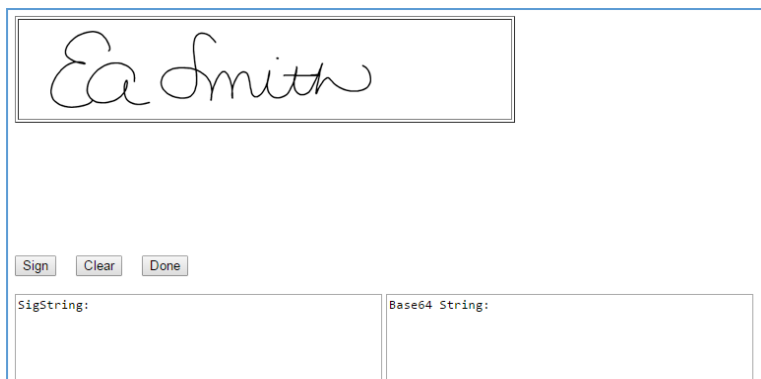
First-Time Install Steps

Follow Steps 1-4 here if you have never installed SigWeb before:

1. Download the SigWeb installer at: www.topazsystems.com/software/sigweb.exe.
2. Before installing, be sure to close all open browsers (i.e. Chrome, Firefox, Internet Explorer, etc).
3. Run the SigWeb installer (right-click and select "Run as Administrator").

Note: Do not connect your signature pad until installation is complete.

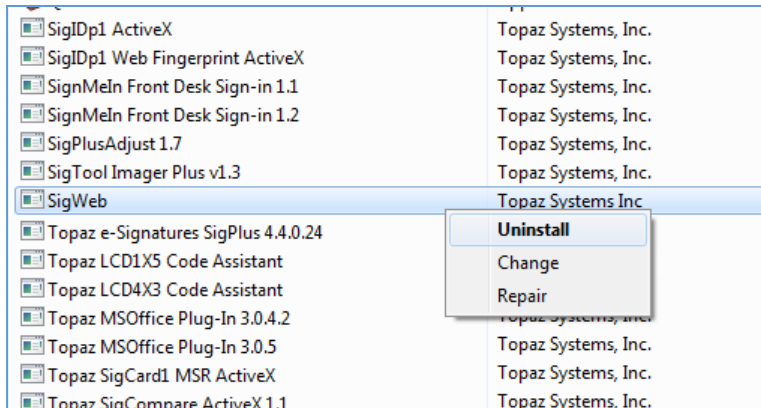
4. Once complete, test SigWeb with the SigWeb Demo at this page: www.sigplusweb.com/sigwebtablet_demo.htm. Click "Sign" and sign on your signature pad; your signature will appear in the signature box.



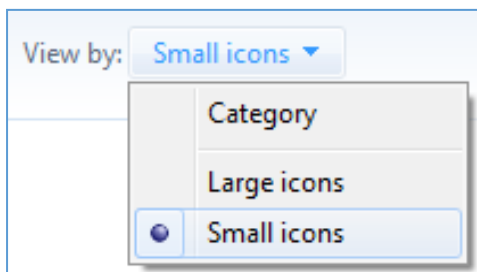
Re-Installation Steps

Follow Steps 1-2 here if SigWeb has already been installed and you are performing a re-install:

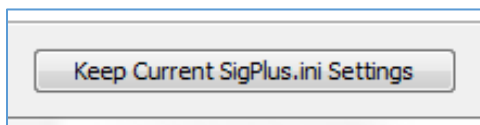
1. Under “Start” → “Control Panel” → “Programs and Features”, right-click on “SigWeb”, and choose “Uninstall”. Allow the “Uninstall” to complete.



Note: If you do not see the “Programs and Features” option under the “Control Panel”, click “View by:” in the top right of your window, and select “Small icons”.



2. Follow the steps in the first section of this guide called “[First-Time Install Steps](#)” in order to install SigWeb properly.
3. If you wish to keep the “Tablet Configuration” screen and use the configuration from the previous installation, click the “Keep Current SigPlus.ini Settings” button in the lower-left corner of the “Tablet Configuration” screen.



SigWeb Test Utility

You can test the SigWeb installation by running the SigWeb Test Utility (SigWeb_Test_Utility.exe), which can be downloaded from the Topaz website at: www.topazsystems.com/sdks/sigweb.html.

SigWeb Cert Checker Software Package

Background

SigWeb requires an SSL certificate to be installed to allow communication between Topaz signature pads and a webpage within a secure context (https). If a valid SSL certificate is not installed on the client machine, then SigWeb will not function within secure web contexts (https). Topaz provides a default SSL certificate; customers can also use their own certificate.

SSL certificates expire every year for security reasons. Thus, the SSL certificate must be checked and updated annually. Topaz developed the SigWeb Certificate Updater to automate this process when using Topaz certificates. Other certificates will require customers to customize their own configuration and the JavaScript used to reference the location. The Topaz Developer Support Team is available to assist in this process at devsupport@topazsystems.com.

Overview

The SigWeb Certificate Updater checks the SigWeb certificate's status and notifies users and/or updates the SigWeb certificate before it expires. The process runs every time SigWeb starts and begins checking for the availability of an updated certificate 60 days before the certificate expires.

The particulars can be configured by modifying the "SigWebCertCheckerConfigs.xml" file and other files referenced within this xml file. If an automatic certificate update isn't desired, then it must be disabled by changing the value of utcDateUpdated to "none" in the "SigWebCertCheckerConfigs.xml" file.

Process Description

The SigWeb Certificate Updater thread runs with system-level privileges as part of the Topaz SigWeb Tablet Service. If there is a new version of the certificate available, it notifies the user (if enabled) and allows them to choose to update the certificate. Otherwise, it silently attempts to update the certificate. After a successful install, the "SigWebCertCheckerConfigs.xml" file is updated with the new certificate data and "PFXConfigs.xml" data.

SigWebCertCheckerConfigs.xml

The “SigWebCertCheckerConfigs.xml” file configures the SigWeb Certificate Updater’s operations.

Description

This file is the base configuration file that configures the information to use for checking the SigWeb certificate, notifying users, and retrieving the updated certificate.

Configurations

certificate: Defines the thumbprint and subjectName to use for finding the SigWeb certificate. This information is automatically updated when a new SigWeb certificate is installed. DO NOT MODIFY.

thumbprint: The thumbprint used for finding the SigWeb certificate. If cannot find the certificate by the thumbprint, then it will search by the subjectName.

subjectName: The subjectName used for finding the SigWeb certificate. Each element within the subjectName must match the certificate’s subjectName’s elements exactly.

notification: Defines when to show notifications in the SigWebCertUpdater and SigWebCertStatusNotifier applications.

showPopupNotifications: If set to true, show notifications. If set to false, then do not show notifications.

pxf: Defines the location and update status of the PFXConfigs.xml file.

pxfConfigsURL: Address to the PFXConfigs.xml file that configures the PFX location and data.

- URI Schema must be: 'file://', 'http://', or 'https://'.
- For local or network files, use 'file://'.
- For HTTP, use 'http://' or 'https://'

utcDateUpdated: UTC Date that is compared with the PFXConfigs.xml file to detect whether there is an update to the PFX file that needs to be installed. Determines if a new certificate is available. DO NOT MODIFY unless you are trying to disable automatic certificate update. To disable automatic certificate update, set to “none”.

PFXConfigs.xml

Description

This file is the base configuration file used for determining the location of the new certificate (PFX file), decryption information, and date this file was updated.

Configurations

pfxURL: Link to the PFX file that is used to install the SigWeb certificate.

pfxDataURL: Link to data used for installing the SigWeb certificate.

iv: IV used for decrypting information.

utcDateUpdated: UTC Date that is compared with the SigWebCertCheckerConfigs.xml file to determine whether there is an update to the PFXConfigs.xml file. Determines if a new certificate is available.

pfxConfigsURL: Link to this PFXConfigs.xml file. Used to allow the SigWebCertUpdater application to change the location of the PFXConfigs.xml within the SigWebCertCheckerConfigs.xml file. If not set, then the SigWebCertCheckerConfigs.xml file will not be modified.

Help & Support

You can test the SigWeb installation by running the SigWeb Test Utility (SigWeb_Test_Utility.exe), which can be downloaded from the Topaz website at: www.topazsystems.com/sdks/sigweb.html.

For troubleshooting help or assistance, view the “Software FAQ” tab on the Topaz Software FAQ page at www.topazsystems.com/faq.html, or contact Topaz Dev Software Support at devsupport@topazsystems.com.

Silent installers are available upon request. Visit the Topaz SigWeb page at www.topazsystems.com/sdks/sigweb.html for details.