

VisiQuick WebLink SDK

Table of contents

Introduction	3
Change history	3
Installing VisiQuick	3
Installing the WebLink system tray application	3
Installing WebLink sample in IIS	4
Testing the WebLink sample	4

Introduction

The VisiQuick WebLink feature enables linking to VisiQuick (i.e. selecting a patient) from a web page in a browser, using a REST interface.

Traditionally, linking to VisiQuick is implemented by loading a dll (vqdde32.dll) and calling its published functions.

Since a web page cannot load a dll, a new intermediate system tray application is used (VisiQuick WebLink), which acts as a local web server, receiving requests using REST, and by loading the dll, it can link to VisiQuick.

This document describes how to implement linking using VisiQuick WebLink, using JavaScript and REST in an HTML file.

The details and the code samples are described in the sample HTML file.

To execute and verify the operation, a sample application is included (an HTML file).

For general documentation on VisiQuick linking and its possibilities, refer to the VisiQuick Link SDK documentation.

To install and run the WebLink sample application, follow these steps:

- [Installing VisiQuick](#)
- [Installing the sample application](#)
- [Installing WebLink sample in IIS](#)
- [Testing the WebLink sample](#)

Change history

Version	Changes
1.3	Added most of the settable data fields.
1.4	Added this SDK documentation. Added configurable IP address and port bindings for the WebLink HTTP server. Improved the sample to use more constants. Change the sample to use "MyPMS" as LinkID.
1.5	Added ExtRoleID to all functions in the sample. Added ClinicID to all functions in the sample. Added image search by Image ID in the sample and in WebLink. Changed buttons Get Full/Thumbnail Image to a single button, using check boxes to configure. Improved the sample to use Clinic ID 1. Improved the sample to simplify Json structure code. Improved the sample and WebLink to pass ClinicID as Integer and Check boxes as Boolean in the Json structure (all other data are Strings).

Installing VisiQuick

Since VisiQuick and the WebLink application are Windows applications, a Windows computer with VisiQuick is required.

1. Install VisiQuick
 - Ensure that the VisiQuick database has a patient with various images and having ID "1234"

Installing the WebLink system tray application

The WebLink system tray application must run at all times to enable linking to VisiQuick.

1. Install the WebLink system tray application using "VisiQuick WebLink Setup.exe", using default parameters
2. Configure the WebLink system tray application by right-clicking its icon in the system tray and selecting Configure...
 - Optionally, configure the IP address and port used for the local WebLink application; the default

binding is 127.0.0.1:8083

- Enter the LinkID, which is a string with the name of your PMS application, for instance "MyPMS"; this string should be passed from the JavaScript code

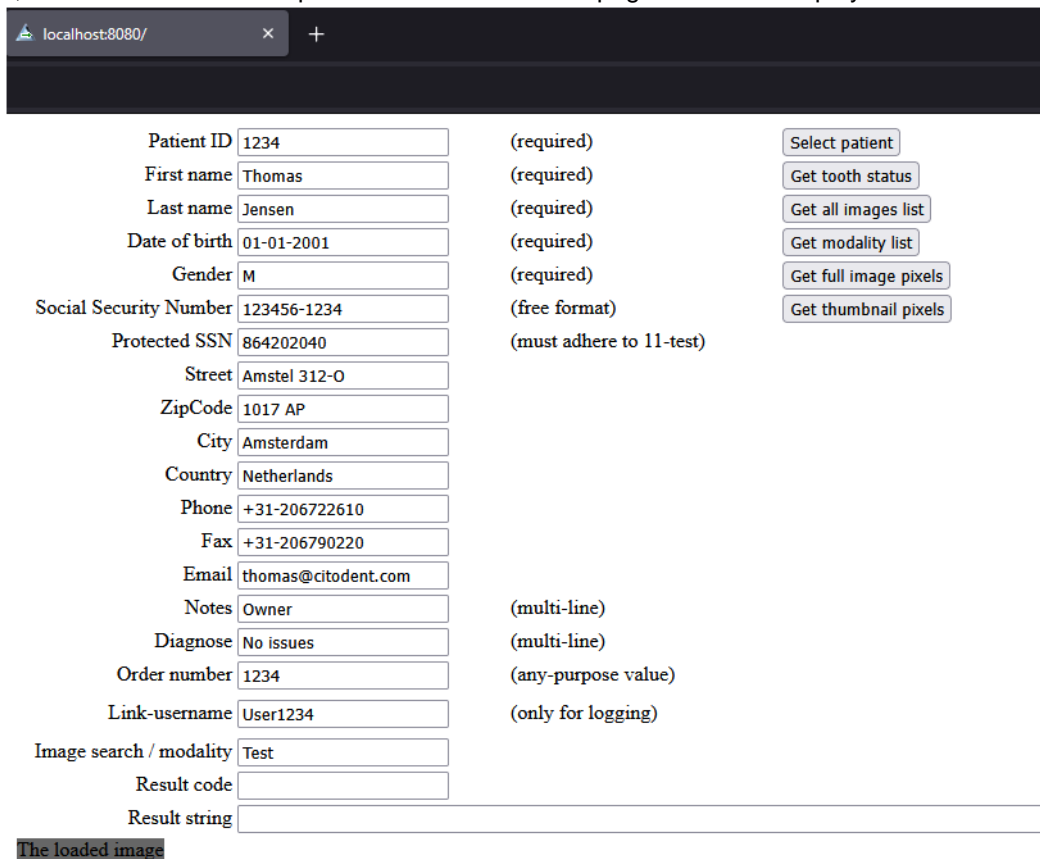
Installing WebLink sample in IIS

Since the sample application is an HTML file, you need a web server, for instance IIS on the Windows computer.

1. The sample application is the folder "Website" in this ZIP file; unzip it to, for instance, "C:\VisiQuick Test\WebLink\Website"
2. In IIS, create a test web site "VisiQuick WebLink sample" and give it these example properties
 - Binding port = 8080 (this should be different than the port used in the WebLink HTTP server, default 8083)
 - Physical path = "C:\VisiQuick Test\WebLink\Website"
 - Default document = PatientPage.html

Testing the WebLink sample


1. In IIS, start the web site and open "localhost:8080": this page should be displayed in the browser:



localhost:8080/

Patient ID	<input type="text" value="1234"/>	(required)	<input type="button" value="Select patient"/>
First name	<input type="text" value="Thomas"/>	(required)	<input type="button" value="Get tooth status"/>
Last name	<input type="text" value="Jensen"/>	(required)	<input type="button" value="Get all images list"/>
Date of birth	<input type="text" value="01-01-2001"/>	(required)	<input type="button" value="Get modality list"/>
Gender	<input type="text" value="M"/>	(required)	<input type="button" value="Get full image pixels"/>
Social Security Number	<input type="text" value="123456-1234"/>	(free format)	<input type="button" value="Get thumbnail pixels"/>
Protected SSN	<input type="text" value="864202040"/>	(must adhere to 11-test)	
Street	<input type="text" value="Amstel 312-O"/>		
ZipCode	<input type="text" value="1017 AP"/>		
City	<input type="text" value="Amsterdam"/>		
Country	<input type="text" value="Netherlands"/>		
Phone	<input type="text" value="+31-206722610"/>		
Fax	<input type="text" value="+31-206790220"/>		
Email	<input type="text" value="thomas@citodent.com"/>		
Notes	<input type="text" value="Owner"/>	(multi-line)	
Diagnose	<input type="text" value="No issues"/>	(multi-line)	
Order number	<input type="text" value="1234"/>	(any-purpose value)	
Link-username	<input type="text" value="User1234"/>	(only for logging)	
Image search / modality	<input type="text" value="Test"/>		
Result code	<input type="text"/>		
Result string	<input type="text"/>		

The loaded image

2. Click "Select patient"; now VisiQuick should start and should display the selected patient with ID "1234"
3. In VisiQuick, press Escape or click ; now the browser should become active
4. Click "Select patient"; then open Patient Properties in VisiQuick; the properties window should display the same properties as in the web page