Welch Allyn Vital Signs Allscripts Unity Interface

Installation and configuration guide

WelchAllyn®

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User responsibility

This product is designed to perform in conformity with the description thereof contained in this operation manual, when installed, operated, maintained and repaired in accordance with the instructions provided.

Support

For information about any Welch Allyn product, visit www.welchallyn.com/en/about-us/locations.html.

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Overview

This software provides communication between the Allscripts EHR and a Welch Allyn vital signs device through the use of the Allscripts Unity Web service.

Prerequisites

- Microsoft .NET Framework 4.0 – Full install
- Microsoft Windows Installer, version 4.5

Thin client software installation

The Welch Allyn Virtual Channel Client (VCC) software is required for connecting Welch Allyn USB and Bluetooth-connected devices in a thin-client environment. If the device is to be used in a thin client environment, please refer to Installation guide, Virtual Channel Client (VCC), WA DIR 80020023, for details regarding installation and configuration of the VCC software on the thin client terminal.

Install the application

1. Locate the Welch Allyn Vital Signs Allscripts Interface installation media. Start the installation by running **Welch Allyn Vital Signs Allscripts Interface Setup.msi**.

2. The installation begins. When prompted for elevation, allow the installation to continue. When the installation completes, you are prompted to configure the application.

Welch Allyn PartnerConnect® software installation

The Welch Allyn PartnerConnect® software is required for maintenance of the Allscripts Service Credentials. Refer to the *PartnerConnect® software Installation guide* (WA DIR 80016392) for details regarding installation and configuration of the PartnerConnect software.

Configure the application

1. Locate the configuration shortcut on the Start Menu. Click the shortcut to start configuring the software.

2. With UAC turned on, you are prompted to elevate your session.
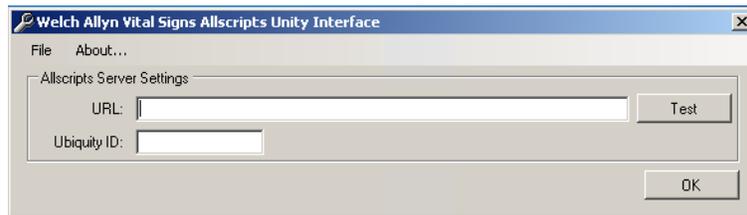
3. Configure the Allscripts Server settings to match the Allscripts Unity Web service URL. Click **Test** to confirm the connection to the service is functioning. If successful, a window displays the details of the server.

4. When using a Ubiquity endpoint, configure the Allscripts Server settings to match the Allscripts Ubiquity Web Service URL and the assigned Ubiquity ID.

5. Once you have completed configuring the interface, click **OK** to save your settings and close the form. To close the form without saving the changes, click on the X in the upper right corner of the form.

Configure the device (Allscripts Professional EHR only)

Devices can be configured to contain the custom modifiers that enhance the description of the vital signs data. For example, "blood pressure cuff location."

Follow the steps below to configure the devices to contain the Allscripts Professional EHR modifiers.

Connex Vital Signs Monitor (CVSM) devices

1. Insert a USB flash drive into a computer that contains the CustomData.xml file (contained in the CVSMCustomData.zip file).

2. Place the XML file on the root of the flash drive (not within a directory or folder).

3. Safely remove the USB drive from the computer and insert it into one of the USB ports on the rear of the device.

4. Use the device's advanced settings to load the configuration file into the device. Consult the device's *Directions for use* for specific steps based on your device model and software version.

5. Restart the device if it does not automatically restart.

Connex Spot Monitor (CSM) devices

Consult your Welch Allyn sales representative to discuss adding custom modifiers to the CSM device.

USB devices – First-time use

For Welch Allyn devices connecting via USB, connect the device after installation of the software, prior to launching the software from Allscripts. This allows the device to be recognized by the computer in advance.

Uninstall the program

The Vital Signs Allscripts Unity interface can be completely removed by using the program control found in the system control panel. The software is listed as **Welch Allyn Vital Signs Allscripts Interface** in the currently installed programs. Select the program and choose **Uninstall**. When the process is complete, the interface is removed from the installed programs list.

Troubleshooting

Use the configuration tool for troubleshooting if you have problems with the software.

Allscripts server testing

The Allscripts Server Settings section provides a Test button. With the Allscripts Server Settings configured, the Test button will attempt to communicate with the Allscripts Unity Web services. Based on the results of the test, you can determine if your configuration is capable of communicating with an Allscripts Unity Web services installation.

Successful test

The image above displays the results of a successful test. It displays the system type, version, Allscripts Unity Web services born on date, and the Allscripts Unity Server License Key. This information is helpful in determining that a connection was established with the Allscripts Unity Web services.

Cannot communicate with server or server not available
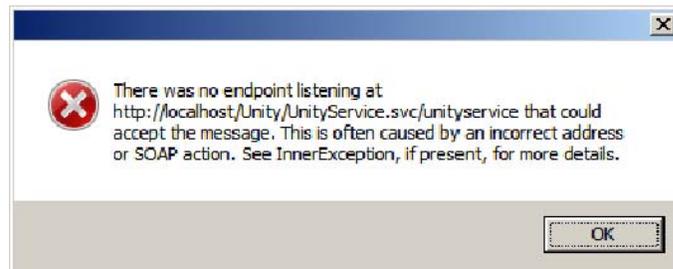
Common causes of this failure are an invalid server name field or an invalid port. Verify that the Allscripts Unity Web service URL field is correct.

## Cannot communicate with server, http vs. https

This failure is due to having specified https in the Allscripts Unity Web service URL field when the server is not configured to use https. Verify that the Allscripts Unity Web service URL field is correct.

Expired Allscripts service credentials

This failure indicates that there is a general failure connecting to the Allscripts Unity Web service. Refer to the Windows Logs Application log in the event viewer to see an error message from the WelchAllyn.Unity.VitalSigns.Interface source indicating that there are no licenses that match the service user provided.
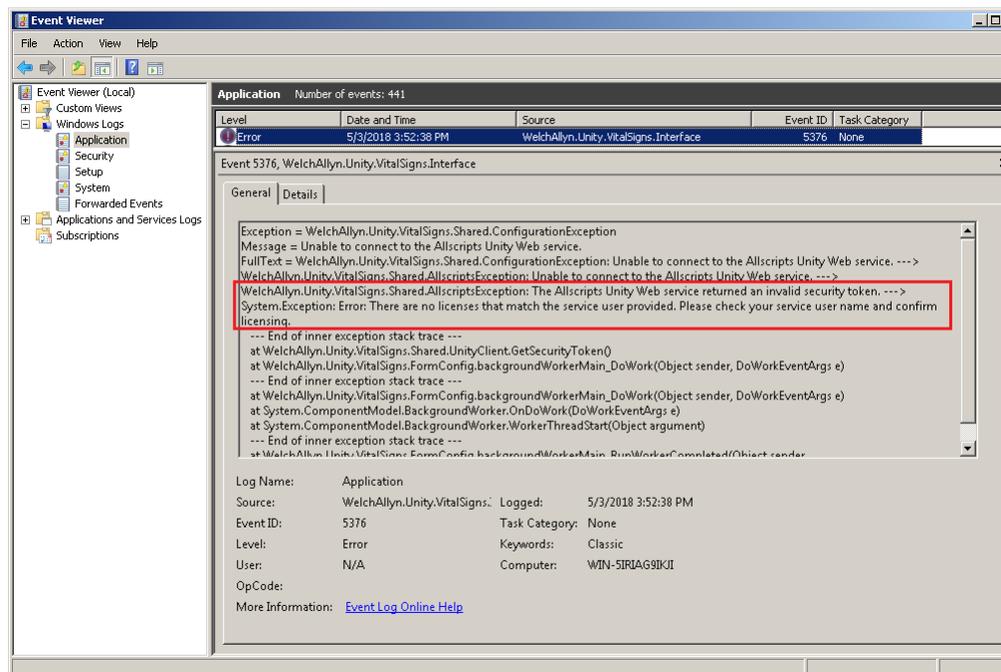
This is the indication that the Unity application cannot communicate to Allscripts because the service credentials have expired. The resolution is to install Partner Connect to manage the Allscripts Vitals Service Credentials.

Administrative deployment

The Welch Allyn Allscripts Unity Vital Signs Interface software can be deployed in an unattended fashion. Any deployment infrastructure capable of managing Windows Installer technology (MSI) should support installation of the software. Windows Installer properties are used for configuration when performing unattended management. All public properties must be specified in uppercase. Any properties or values containing spaces must be enclosed in double quotes. Refer to "Windows Installer Property guide" for a complete list of Windows Installer properties.

- To perform unattended installation with default features installed and no configuration on both 32-bit and 64-bit platforms:

    msiexec /i "[Path]\Welch Allyn Vital Signs Allscripts Interface Setup.msi" /qn PROPERTY=value

- Unattended uninstallation of a Windows Installer program requires the product code GUID:

    32-bit:

    msiexec /x 84586078-8A7F-4FDB-A8AC-1D09FD2737EC /qn

    64-bit:

    msiexec /x C42383DA-5C8C-46B1-86F7-BCCCF0F1480C /qn

Windows Installer Property guide

The following table lists the Installer properties. Values may be overridden by the Installer user interface.

Installer property	Description
WEBSERVICEURL	Allscripts Unity Web service address.
TIMEOUT	Connectivity SDK ActiveX timeout (in ms), used for asynchronous operations.
CLIENTACCOUNTNUMBER	Allscripts Unity Web service client account number, also known as the "Ubiquity ID."