MED2020
Health Care Software Inc.

2019

HL7 Interfaces Guide for WinRecs 3

MED2020 Health Care Software Inc.

MED2020 Health Software Inc. (MED2020) is the leading provider of modular health information management solutions for the Canadian health care industry and is headquartered in Ottawa, Ontario. Solutions are offered to assist in capturing, reporting and analyzing health data to support enhanced information sharing, encourage informed decision making and streamline facility operations. MED2020's flagship product, WinRecs, is the foundation for a complementary suite of modules that have also been designed to assist health information management departments with their operational needs.

Contact Details

MED2020 is open Monday to Friday between 07:00 and 19:00 (Eastern Time), except Canadian federal holidays and Ontario provincial holidays.

Head Office

MED2020 Health Care Software Incorporated
4471 Innes Road, Suite #200
Ottawa, Ontario
K4A 1A7

Tel: (613) 830-3761
Fax: (613) 830-2410
Toll Free: (800) 461-2020

E-mail: support@med2020.ca
Web: http://www.med2020.ca

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1   Introduction

This document was written for a moderately technical audience. It is assumed throughout the document that the user is familiar with the fundamental concepts with respect to file and computer.

The information contained in this document is provided to assist with the installation of HL7 for WinRecs 3.

The following instructions detail the process for installing an HL7 Interface for WinRecs 3. HL7 is the industry standard for the exchange of data between systems over an existing network. WinRecs currently supports HL7 version 2.3. The WinRecs HL7 interface accepts incoming data from another hospital system, such as an ADT system, interprets the information received and updates the WinRecs database.

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Note:	The WinRecs 3 HL7 interface is a separate executable running outside of the main WinRecs application. MED2020 recommends that the HL7 interface program be installed on the database server. If you have any questions regarding this process, contact a MED2020 Client Services Representative. Contact information is available above in the section Contact MED2020.

Contact MED2020 **Client Services** for more assistance with any information contained in this document.

2   Installing HL7 Interface

To Install WinRecs 3 HL7 Services (Listener and Queue) run **WinRecs3HL7Setup.exe**

Install package opens:

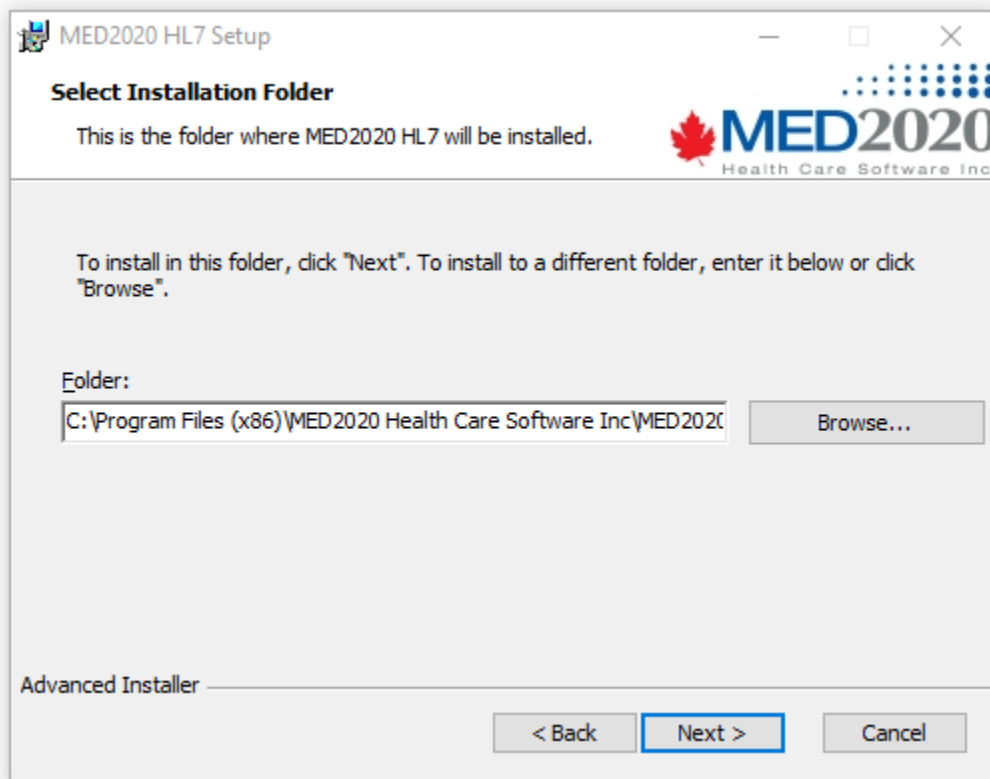| **Note**:	The WinRecs 3 HL7 interface requires minimum .NET 4.0 Framework and WinRecs 3 Database to function.

Click **Next >**

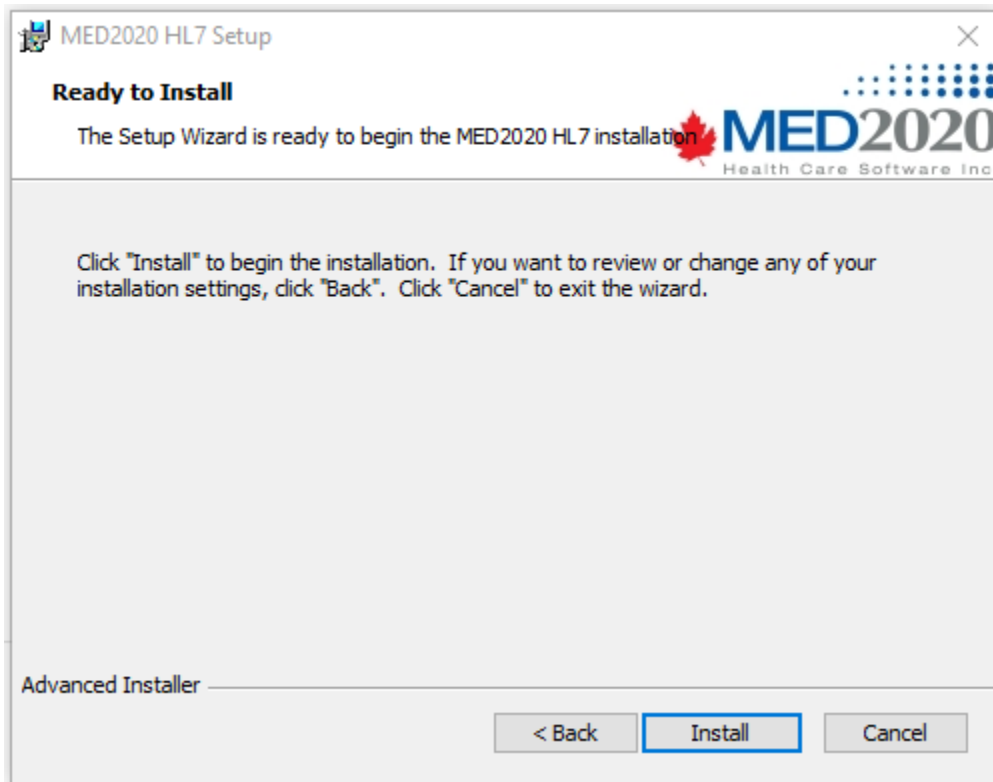Ensure check box "I accept the terms in the License Agreement" is checked and click **Next >**

Default folder path for client install is C:\Program Files (x86)\MED2020 Health Care Software Inc\MED2020 HL7\. Edit if required.
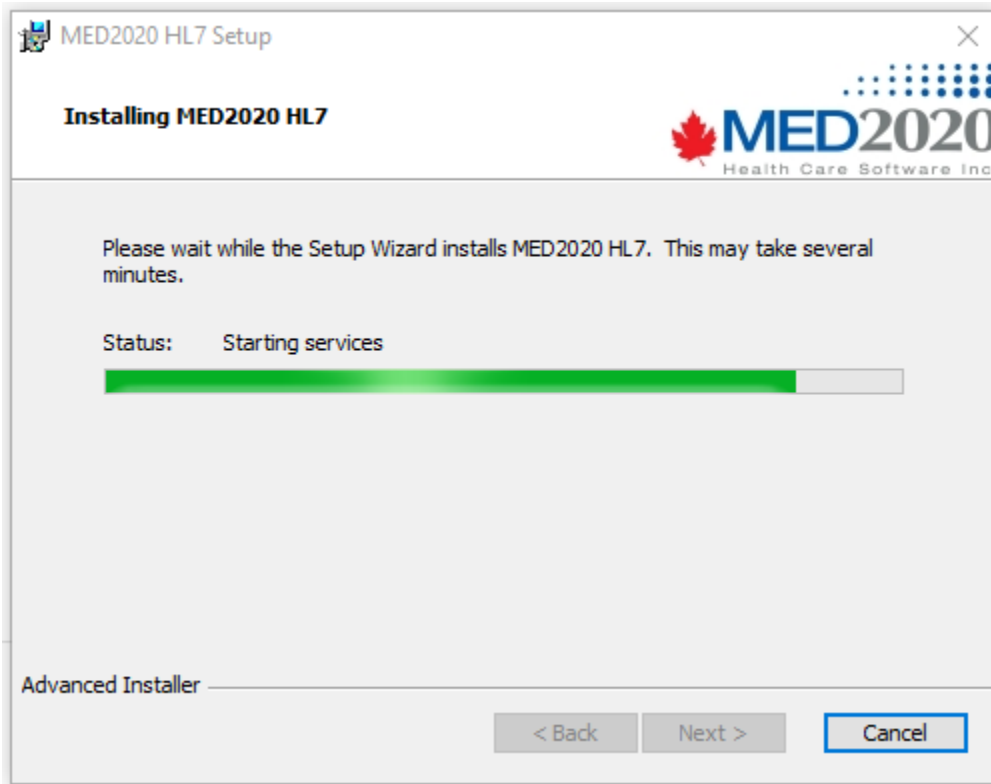
Click **Next >**

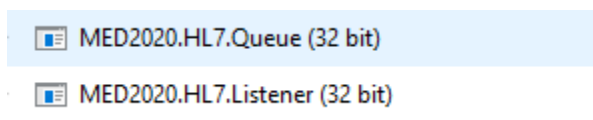Setup is now complete. Click **Next >** to begin installation

Install process commences

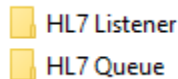When installation is completed you will see the below screen. Click **Finish**

Task Manager will now show the two new services:

3 Configuring HL7 Interface

The install package creates two folders HL7 Listener and HL7 Queue. The default path is "C:\Program Files\MED2020\WinRecs HL7"
Your MED2020 HL7 folder content should look like this:

In each folder, you will find a settings file to configure "settings.json":

- C:\Program Files\MED2020\WinRecs HL7\HL7 Listener\settings.json
- C:\Program Files\MED2020\WinRecs HL7\HL7 Queue\settings.json

Local Disk (C:) > Program Files > MED2020 > WinRecs HL7 > HL7 Listener

Name	Date modified	Type	Size
settings.json	3/8/2019 3:01 AM	JSON File	1 KB
Newtonsoft.Json.xml	11/27/2018 5:59 PM	XML File	683 KB
Newtonsoft.Json.dll	11/27/2018 6:07 PM	Application extens...	660 KB
MED2020.Zipper.dll	3/20/2019 3:06 AM	Application extens...	15 KB
MED2020.Utils.Logging.dll	3/20/2019 3:06 AM	Application extens...	39 KB
MED2020.Services.Common.dll	3/20/2019 3:07 AM	Application extens...	50 KB
MED2020.HL7.Parser.dll	3/20/2019 3:07 AM	Application extens...	19 KB
MED2020.HL7.ListenerWorker.dll	3/20/2019 3:16 AM	Application extens...	21 KB
MED2020.HL7.Listener.exe.config	4/9/2018 10:17 AM	CONFIG File	2 KB
MED2020.HL7.Listener.exe	3/20/2019 3:23 AM	Application	14 KB
MED2020.DynamicLoad.Legacy.dll	3/20/2019 3:06 AM	Application extens...	5 KB
MED2020.DynamicLoad.Interfaces.dll	3/20/2019 3:06 AM	Application extens...	6 KB
MED2020.DynamicLoad.dll	3/20/2019 3:06 AM	Application extens...	44 KB
MED2020.DataAccess.dll	3/20/2019 3:06 AM	Application extens...	318 KB
MED2020.Common.dll	3/20/2019 3:07 AM	Application extens...	41 KB
MED2020.ClassInterfaces.dll	3/20/2019 3:06 AM	Application extens...	277 KB

3.1 Editing the settings.json file

Both the Listener and Queue settings.json files contain these keys that requires you to edit according to your set up. To edit a settings.json file, right click the file and open up the file in notepad or another text editor.

Here is an example of the contents of a settings.json file. The colour has been added in this guide as a reference.
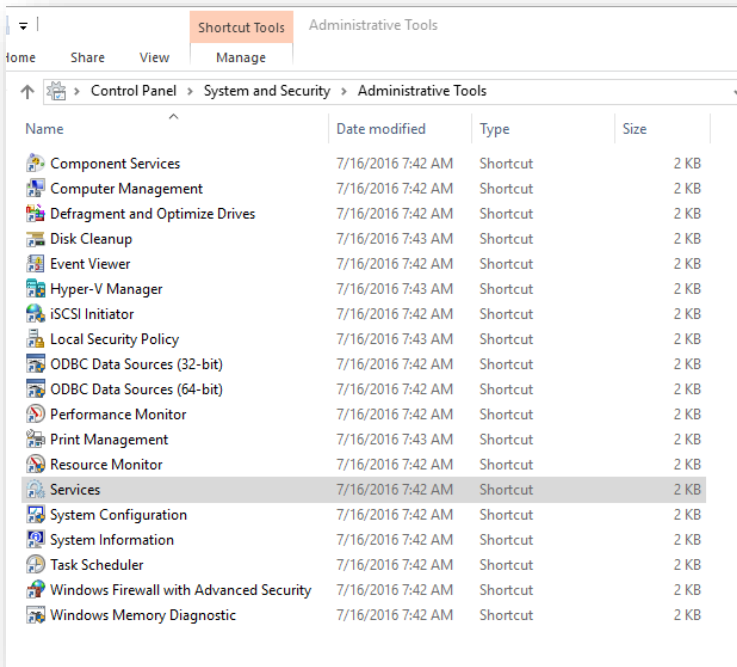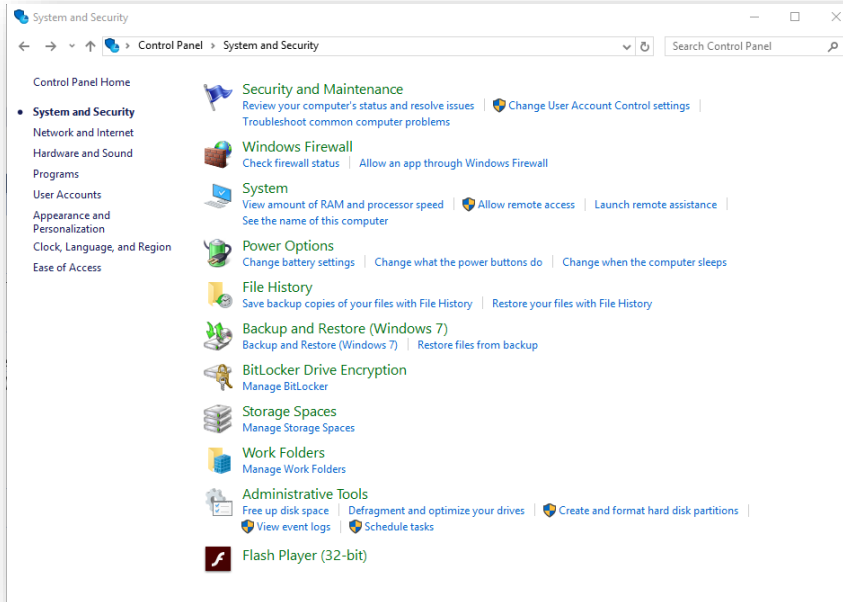
```
{
  "environments": [
    {
      "enabled": true,
      "name": "Live",
      "server": "SQL_SERVER",
      "database": "DATABASE_LIVE",
      "ports": [ 2020 ]
    },
    {
      "enabled": false,
      "name": "Test",
      "server": "SQL_SERVER",
      "database": "DATABASE_TEST",
      "ports": [ 2021, 2222 ]
    }
  ]
}
```
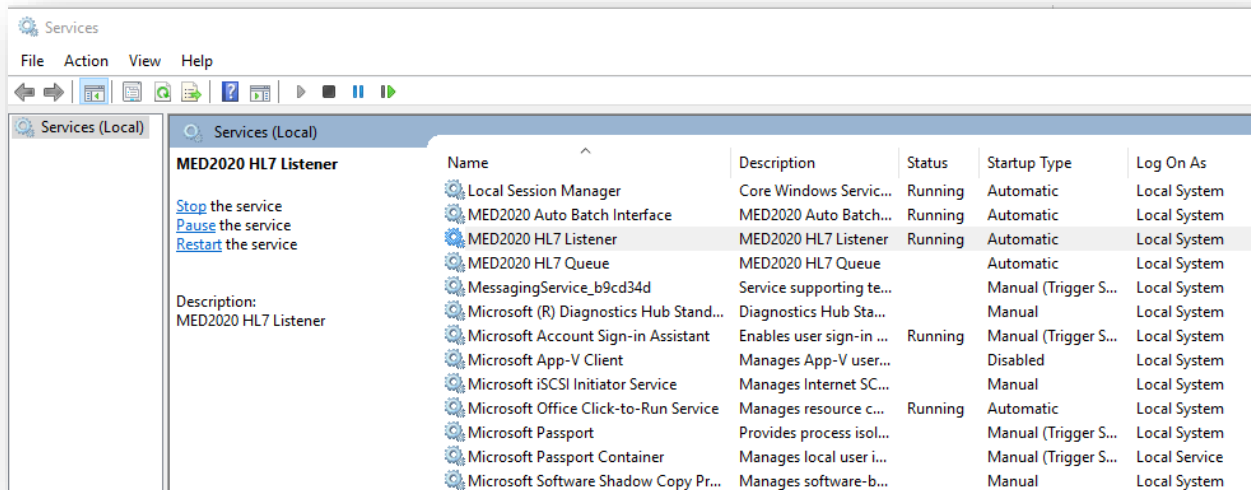
Legend:

"enabled" – A value of "true" will activate and a value of "false" will deactivate.

"name" – This is a description of the HL7 feed. Any value can be used as long as it is unique.

"**server**" – Enter the server name or IP address of the applicable database

"**database**" – Enter the database name to receive the HL7 feed

"**ports**" – The TCP/IP port used by the HL7 sender. If there are multiple ports, separate with commas. (Not applicable for HL7 Queue settings.json file)

4 How to Stop and Start HL7 Services on WinRecs Server

Go to Control Panel → System Security → Administrative Tools

Double click Services

There are two HL7 services:
- MED2020 HL7 Listener
- MED2020 HL7 Queue

To Stop a service right click on the service and select stop
To Start a service right click the service and select start

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