

# WinRecs Version 3 Technical Requirements

## Database Server Requirements

### Operating System

**Minimum:** Windows Server 2019 64 bit

**Recommended:** Windows Server 2025 64 bit

### SQL Version

**Minimum:** SQL 2016

**Recommended:** SQL 2022

**SQL Collation:** Latin1\_General\_CI\_AS

### Memory

**Minimum:** 16 GB

**Recommended:** 32 GB

### Processor

**Minimum:** 64 bit 4 CPU

**Recommended:** 64 bit 8 CPU 64

### Storage:

2 GB of space is required for the default WinRecs database. This will grow at an estimated rate of 15 GB per one million WinRecs records

## WinRecs Client Requirements

**.Net Version:** dotnet core 8.x

### Operating System

**Minimum:** 64 bit Windows 10

**Recommended:** 64 bit Windows 11

### Memory

**Minimum:** 8 GB

**Recommended:** 12+ GB

### Storage

**Minimum:** 2 GB required for installation

## Workstation Installation Overview

The MED2020 WinRecs 3™ installer utilizes the Windows user account's local App Data folder (Default location - C:\Users\{ **Windows User Account Name** }\AppData). As a result of this, User Access Rights elevation is not required for the installation of a new workstation client. Additionally, special folder access rights should not be required for the workstation installation of WinRecs 3™. As a result of this, the workstation client installation typically does not interfere with the workstation's system configuration, resulting in a smoother installation.

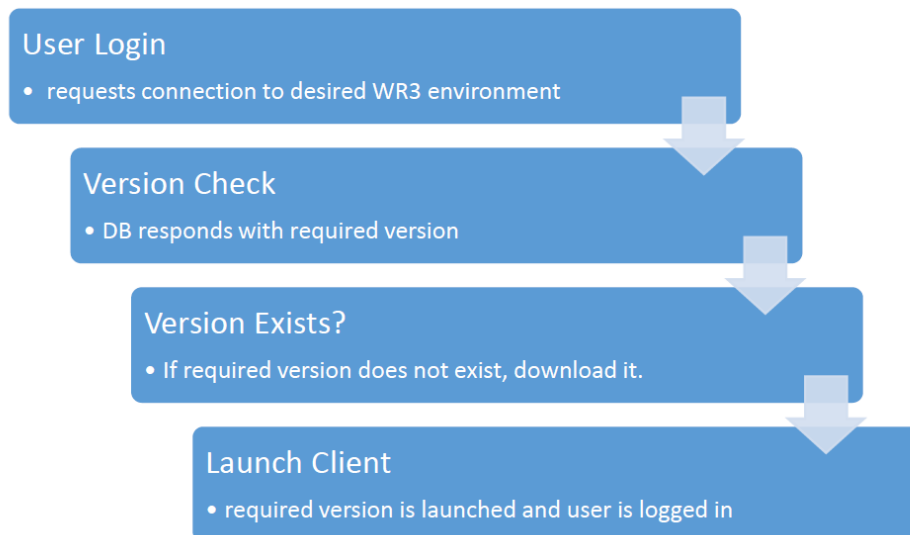
*Warning: If the user's MED2020 app data folder is moved, modified or deleted it may prevent the program from launching or operating correctly. If this occurs, a re-installation will be required.*

The WinRecs client log files are written to the following directory and contain logging for the startup, login and client. These logs can be used as a reference for troubleshooting.  
C:\Users\[username]\AppData\Local\MED2020\Logs

On initial installation of the client, the only component that will get installed will be the MED2020 WinRecs 3 Login (WR3 Login). The WR3 Login will be installed and will be added to the following path under Program Files: ".\MED2020\WinRecs3" and will appear under the Add/Remove Programs under Windows.

### Workflow on user running the WR3 Login:

1. When the user runs the WR3 Login and connects to a given WinRecs 3.0 database (WR3 DB).
2. The WR3 DB database responds with required WR3 client version.
3. WR3 Login checks user's local apps folder for required WR3 client version.
4. If required WR3 client version does not exist, WR3 Login will stream required version and extract it to user's local apps folder.
5. WR3 Login will launch correct WR3 client and log the user into the requested environment.



## Install Directories

The following directories will be used by WR3 auto-updates.

1. C:\Program Files\MED2020\WinRecs3
2. C:\Users\[UserName]\APPDATA\Roaming\MED2020\WinRecs3
3. C:\Users\[UserName]\APPDATA\Local\MED2020\WinRecs3\2020.1.001
4. C:\Users\[UserName]\APPDATA\Local\MED2020\WinRecs3\2020.1.002
5. C:\Users\[UserName]\APPDATA\Local\MED2020\WinRecs3\2020.2.001

#1 is where the WR3 Login will be installed.

#2 is where runtime resources will be created such as login configuration files, log files, etc. The size of the user's app data roaming folder should not change from what it currently is to any significant degree with this proposal.

#3-5 is where the client is installed to. This is the folder (APPDATA\Local\Programs) designated by Microsoft Windows for any applications that are installed in single user mode.

## Login XML Configuration File

The Login.xml file is used to save a list of server and databases that a user can login to and that will be available in the login screen drop down list.

## Possible Locations

There are 3 locations in which the LogIn.xml can reside.

1. **Machine level folder:** Place the LogIn.xml configuration file in the "Machine level folder" to make the same login selections available to all users that share that specific machine. The "Machine level folder" is located here: "C:\ProgramData\MED2020\WinRecs3".
2. **Local user folder:** Place the LogIn.xml configuration file in the "Local user folder" to configure user-specific login selections for a given user's Windows login for that specific machine. The "Local user folder" is located here: "C:\Users\[UserName]\APPDATA\local\MED2020\WinRecs3".
3. **Roaming user folder:** Place the LogIn.xml configuration file in the "Roaming user folder" to configure user-specific login selections for a given user's Windows login across the network. For this to function properly, roaming profiles need to be enabled in Active Directory. The "Roaming user folder" is located here: "C:\Users\[UserName]\APPDATA\roaming\MED2020\WinRecs3".

## Precedence Rules

The precedence of a given login configuration file is determined based on its location. This means that the settings defined in one Login.xml file will supersede the settings defined in another Login.xml file depending on where it is located.

The “Roaming user folder” takes precedence over both the “Local user folder” and the “Machine level folder” locations. This means that if a login configuration file has been placed in the “Roaming user folder”, any login configuration file(s) that exist in the “Local user folder” and/or the “Machine level folder” will be ignored.

The “Local user folder” takes precedence over the “Machine level folder” only. This means that if a login configuration file has been placed in the “Local user folder”, any login configuration file(s) that exist in the “Machine level folder” will be ignored. A login configuration file placed in the “Local user folder” will be ignored however, if there is a login configuration file that exists in the “Roaming user folder”.

The “Machine level folder” is last in the precedence order of login configuration file locations. This means that a login configuration file placed in the “Machine level folder” will only work if there are no other login configuration files located in either the “Roaming level folder” or the “Local user folder”. In other words, if either the “Roaming level folder” or the “Local user folder” contains a login configuration file, then the login configuration file located in the “Machine level folder” will be ignored.

## Disable Free Text Login

There is another option available. In the Login screen the user can enter free text to connect to any server or database. This can be disabled by setting the option attribute "disableFreeText = 'true'" in the root <login/> element. If this is set, the user will only be able to select the environments configured in the Login.xml file

## Sample Login.xml Configuration File

```
<?xml version='1.0'?>
<!-- This file represents the log in server/database options -->
<login disableFreeText = 'true' >
  <server>
    <accessID>1</accessID>
    <name>TestServer</name>
    <databases>
      <database>TestDB_1</database>
      <database>TestDB_2</database>
      <database>TestDB_3</database>
    </databases>
  </server>
  <server>
    <accessID>1</accessID>
    <name>PreProdServer</name>
    <databases>
      <database>PreProdDB</database>
    </databases>
  </server>
  <server>
    <accessID>1</accessID>
    <name>LiveServer</name>
    <databases>
      <database>LiveDB</database>
    </databases>
  </server>
</login>
```

</server>  
</login>

## **Future Requirements**

MED2020 Health Care Software supports Canadian hospitals in the submission of accurate and complete data to provincial ministries and to CIHI. As technologies are quickly changing, it is necessary to periodically review and to upgrade the technologies that WinRecs v3 relies on. This includes, but is not limited to, the database that stores your health records information. This reduces risk to your data and helps to ensure submission compliance at critical times. Contact [support@med2020.ca](mailto:support@med2020.ca) for further information on the requirements roadmap for WinRecs.