# **ElectronRT DICOM Receiver for Patient Import**

The decimal ElectronRT application supports importing DICOM patients via a DICOM listener/receiver. This guide details the process for enabling and configuring this method of DICOM patient import into the eRT application.

# **DICOM Receiver**

The following guide details how to download, install, and configure the ElectronRT DICOM Receiver to automatically accept and import files into the ElectronRT application for import.

## **Download and Installation**



- 1. Download the ElectronRT DICOM Receiver via
- 2. Extract the ElectronRT\_dicom\_receiver.zip file to an appropriate directory of your choosing (e.g.: C:\ElectronRT\_DICOM\_Receiver)
- 3. Edit the receiver\_config.json file to set the following fields:
  - local\_ae\_title: The name of the listener (Note: this is not explicitly enforced, it's only for reference)
  - 2. **local\_port**: The local port for the listener to monitor on
  - 3. **timeout**: The timeout, in seconds, for which to wait for files/connections. The default value is an appropriate setting.
  - 4. **storage\_location**: The shared network location to save files to that the ElectronRT app will be able to access and monitor (refer to Importing a Patient from a DICOM Receiver for more details on this process within the eRT application).

# **Running Modes**

The ElectronRT DICOM Receiver has two options for running:

#### 1. Running as a Windows Service (recommended)

The following scripts can be used to add, remove, or restart the Windows Service for the ElectronRT DICOM Receiver.



#### Note:

Administrator permissions are required to modify Windows Services, so each of the provided service management scripts



#### below must be run as an administrator.

- service\_install.bat
  - Installs the ElectronRT DICOM Receiver as a Windows Service
- service\_uninstall.bat
  - Removes the ElectronRT DICOM Receiver from the Windows Services
- service restart.bat
  - Restarts the Service if changes are made to the configuration file.

### 2. Running as a Stand Alone Application

The ElectronRT DICOM Receiver can be run as a stand alone application. This option does not require administrative privileges.

- 1. Open Windows Explorer to the ElectronRT DICOM Receiver installation directory
- 2. Run the ElectronRT DICOM Receiver.exe to start the receiver as configured

#### Notes:

- Any time the Computer is restarted (e.g.: windows updates) the stand along application will need to be manually run.
- Any time the receiver\_configuration.json file is changed, the application will need to be manually restarted to load the new configuration

# **ElectronRT DICOM Monitoring and Patient Import**

The following items detail the steps required to configure and use the patients received from the ElectronRT DICOM Receiver within the ElectronRT application:

- 1. Users must set the DICOM Monitoring Directory within the Site Configuration's DICOM Settings block that corresponds to the storage location field set for the ElectronRT DICOM Receiver.
- 2. Once the monitoring directory has been set the Importing a Patient from a DICOM Receiver section provides details how to import patients received from the ElectronRT DICOM Receiver.

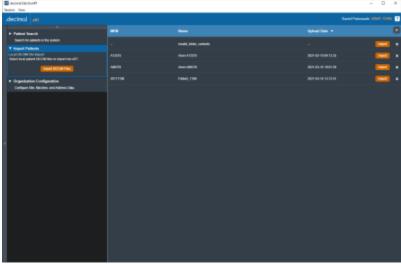


Fig. 1: DICOM Receiver Patients

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