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## Introduction

This viewer offers an alternative to examine a series of DICOM image files, possibly with ROI contours when each such series is located within a separate directory.

## Build and Usage

At this stage the program requires **Qt 5.3** and a Linux environment (version 5.3.2 was used, perhaps slightly older ones work also). While it has the potential for true multi-platform usage, a few changes are still needed for removing Linux specific dependencies (e.g. the module reading the DICOM files).

A standard Qt build process is needed hence running the next two commands in the `src` directory will do the build:

```
qmake; make;
```

If successful, the executable should be visible at `src/.rel/dcmview` for the default, release mode build.

## Usage

The viewer can be used by adding on the command line the directory where the DICOM data is located. Once the UI is shown and data loaded, press '**F1**' for a brief list of controls.

e.g.

```
dcmview dir_name
```

## ToDo's

At this stage there are many useful future features to consider in addition to the multi-platform support mentioned before. While there is little point to create an extensive list, a few items are mentioned below:

- Support for loading directories from the UI.
- Enhanced histogram and color/gray curves controls.
- Extensions for the rudimentary 3-D view.

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