

Client Documentation

Software Configuration & Walkthrough

Lachlan Stevens - Digital Signage Program

Client Perspective

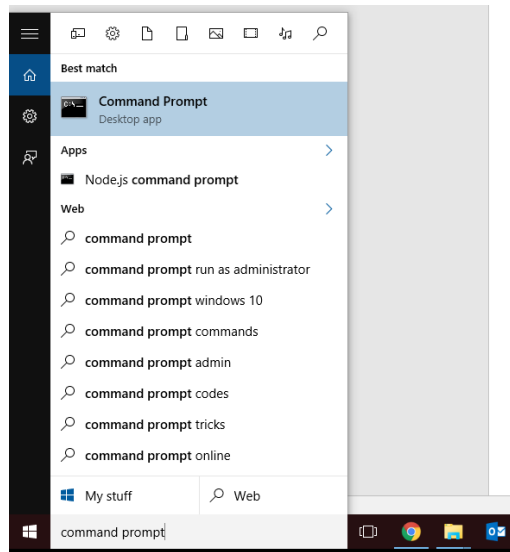
Follow these steps as explained below for the successful execution of the program.

Initiate Server

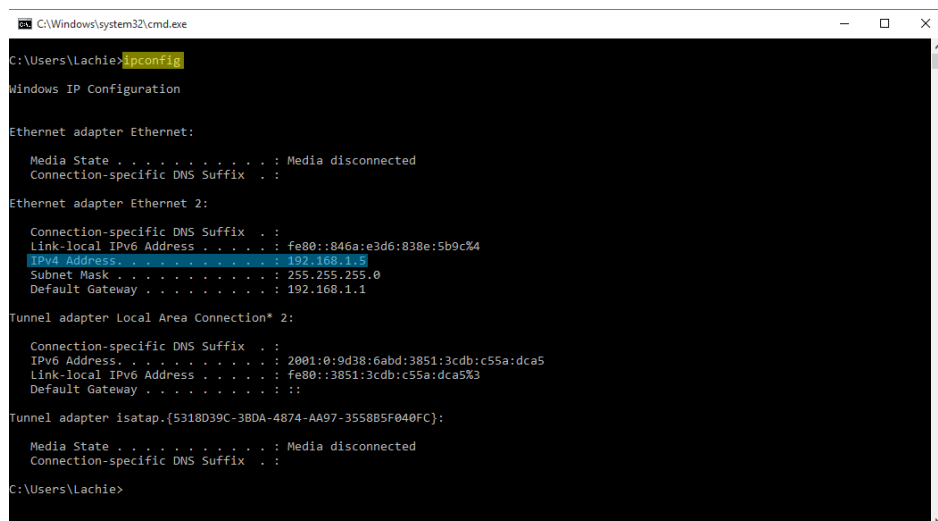
To begin, the server program needs to be initialised in order for the client program to have the capacity to connect to it. These follows steps will be completed on the **server device** and not on the local client computer. Once the server device is up and running, plug in the attached USB and begin following the steps demonstrated below:

Step 1 (Retrieve Server IP)

On **server computer** open up the Windows bar in the bottom left hand corner of the screen (assuming running windows 7,8,8.1 or 10). From here search for 'Command Prompt' as can be noted in the below image.



Select the top result and wait for a black dialog box to show up. Once open enter in command 'ipconfig' and wait for the results to come back. From this refer to the highlighted result in the image below and write down the respective address (note it is very likely to be different from the address highlighted in the image below; (Blue is address, yellow is command)).



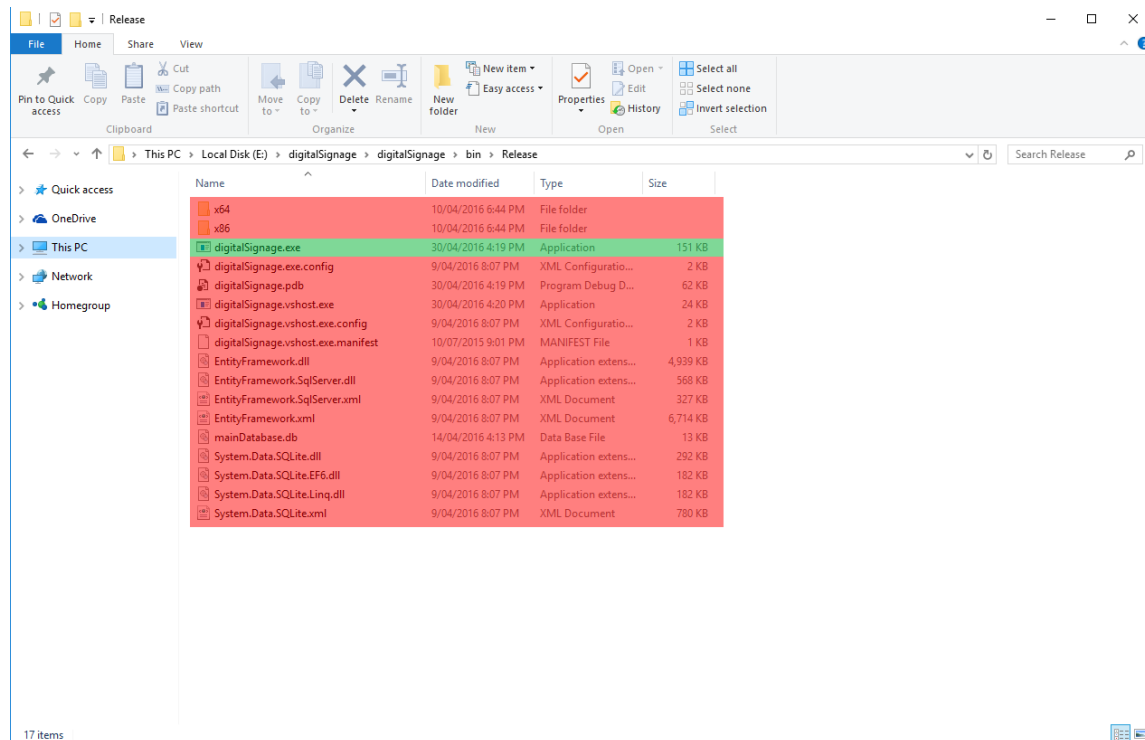
Once respective IP has been found, record on piece of paper and proceed to next step.

Step 2 (Execute Server program)

While remaining on **server computer** navigate from the USB directory to the directory noted in the below image (**E:\digitalSignage\digitalSignage\bin\Release**):

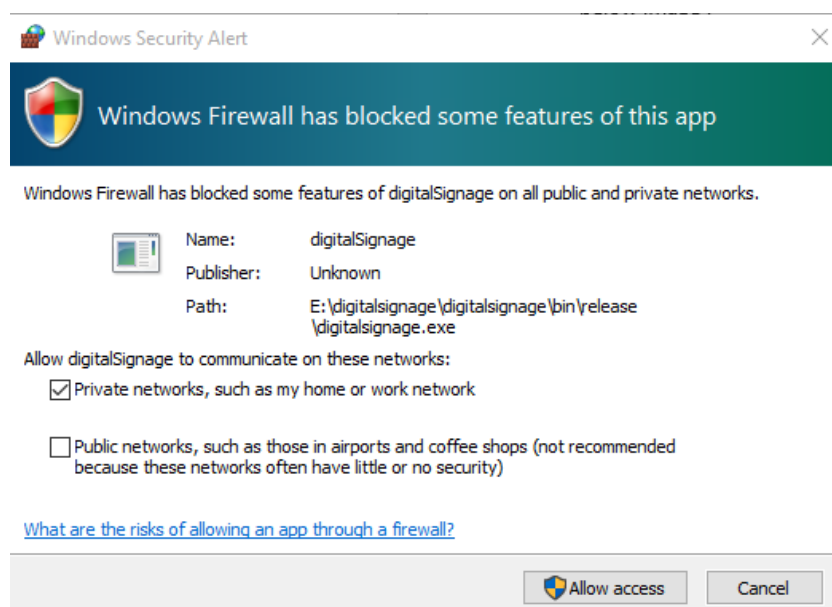
→ This PC → Local Disk (E:) → digitalSignage → digitalSignage → bin → Release

From within this directory select the 'digitalSignage.exe' executable as highlighted green below:



NOTE: ONLY GREEN ITEM SHOULD BE SELECTED, selecting other parts of the program can interfere with the overall processing of the software.

Once initiated there may be a firewall popup, see below:



Simply allow access and the program should continue normally as noted below: (with the obvious changes being with the demonstrated RSS news highlight and the various subject information displayed).

Yr 12
Line B
Line E

Yr 11
Line E
Line E

Classroom Changes
Teacher Line Period Room
 No classroom changes today

Meeting Reminders

 Nothing planned for today

Special Events

 Nothing planned for today

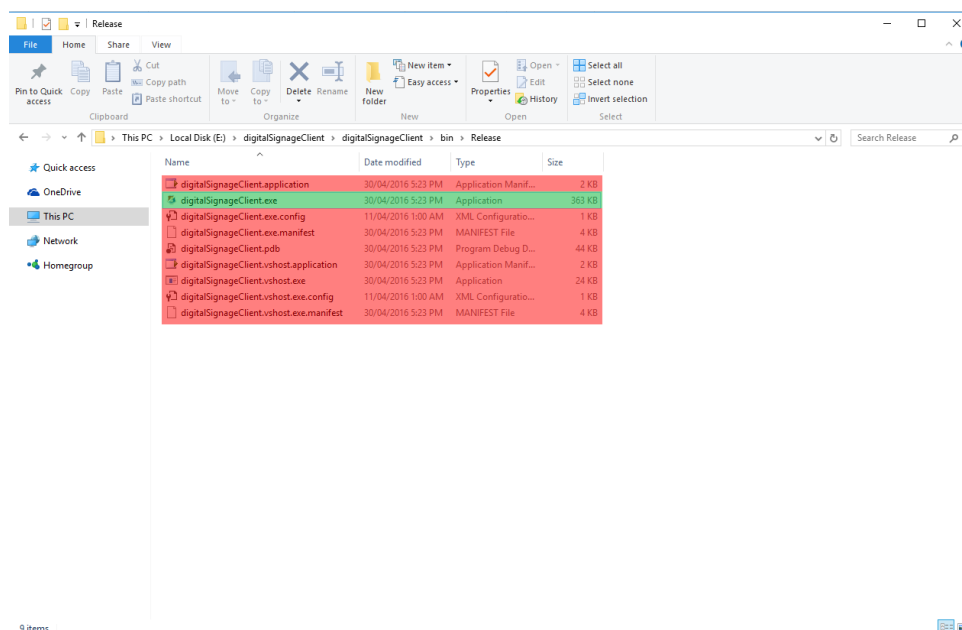
After server is set up following the following steps to correctly connect using the client interface. All following steps should be completed on the **client computer**.

Initiate Client

From the client computer navigate to the directory shown below
(E:\digitalSignageClient\digitalSignageClient\bin\Release):

> This PC > Local Disk (E:) > digitalSignage > digitalSignage > bin > Release

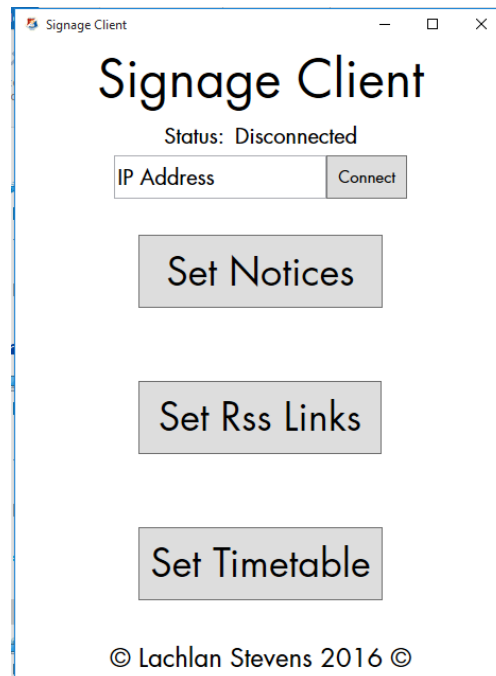
From within the noted directory execute the 'digitalSignageClient.exe' executable as listed in the below image:



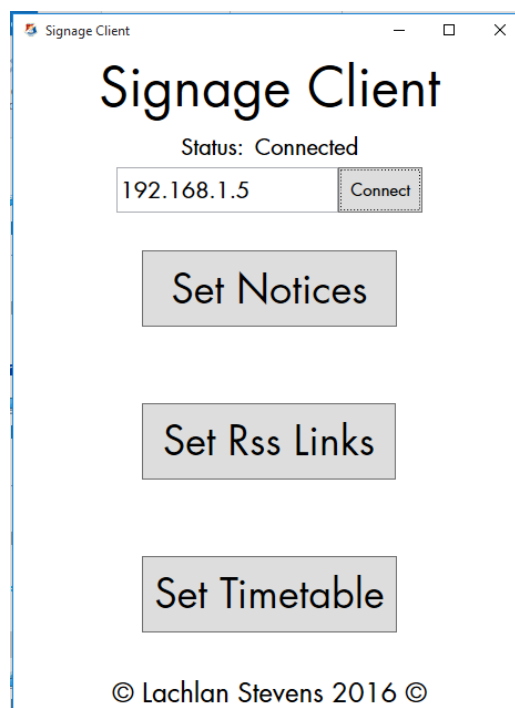
Like before, ensure that only the 'green' item is the executable that is run due to the other executables within that directory will interfere with the overall execution of the program.

Configure Server (using client interface)

Home page

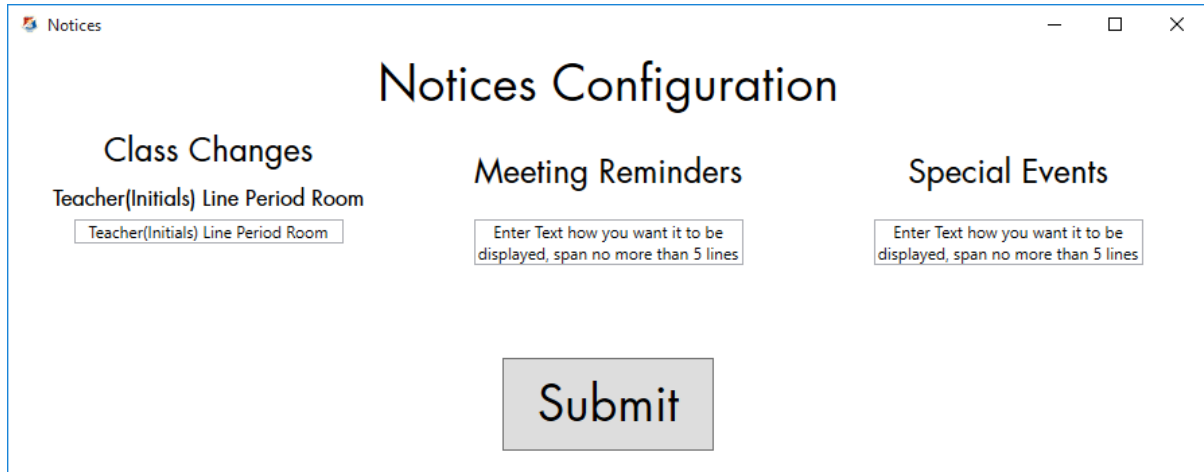


Upon execution of the program the above image is what you, the user will be greeted with. From here the first step is to enter in the server IP address (as previously written down), select connect and if all previous steps have been follows correctly a popup box saying 'Connection Success' will be shown alongside the Status being modified to 'Connect'. Refer to the image below for a screenshot of this updated main window state.



Notices

Upon a successful connection the other buttons on the main interface will become accessible, when the first button is selected “Set Notices” a notices dialog form will display giving the user options to configure the notices displayed on the server interface. Refer below for a screenshot of the respective form.



The screenshot shows a window titled "Notices" with a close button. The main heading is "Notices Configuration". Below this, there are three columns for configuration:

- Class Changes**: Includes a label "Teacher(Initials) Line Period Room" and a text input field containing "Teacher(Initials) Line Period Room".
- Meeting Reminders**: Includes a text input field with the placeholder "Enter Text how you want it to be displayed, span no more than 5 lines".
- Special Events**: Includes a text input field with the placeholder "Enter Text how you want it to be displayed, span no more than 5 lines".

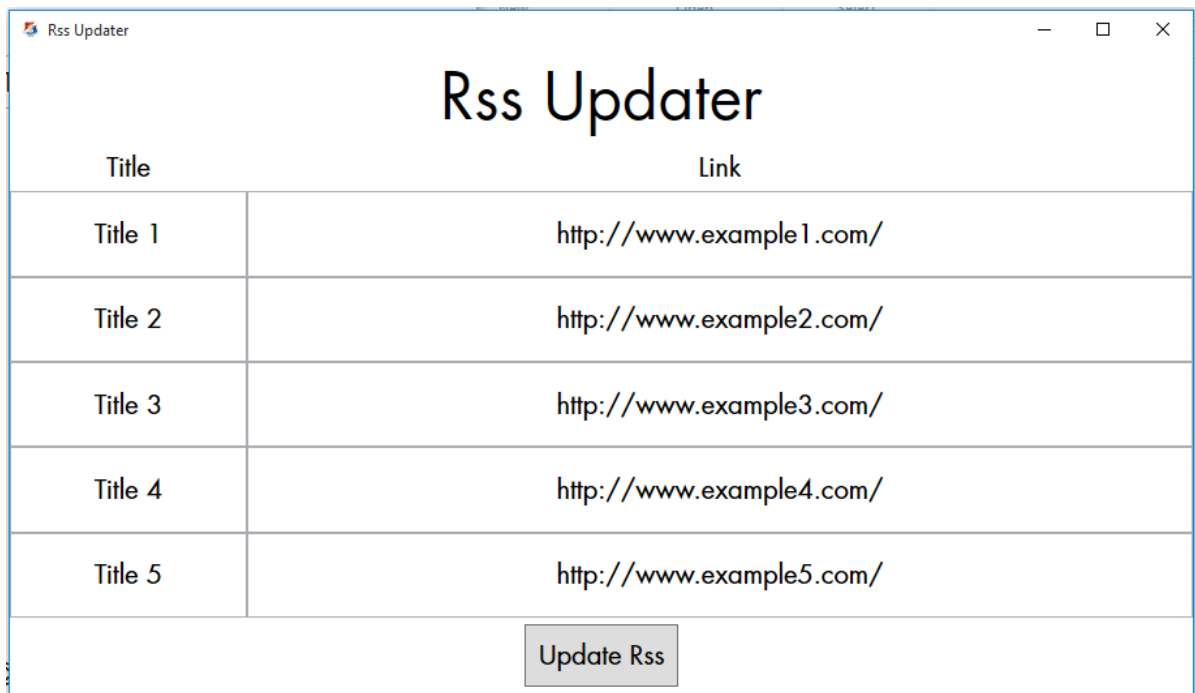
At the bottom center is a large "Submit" button.

This form is relatively straight forward to follow from a user’s perspective as each separate part of the form does a clear specific function. **NOTE: Whatever is entered on this form is what will be displayed, this is a limitation of the current version of this program but will be addressed in future updates to the interface**

Once the submit button is pressed, the data will be sent to the server to be processed into the database. Allow for up to 15 minutes for the server to update the onscreen information.

RSS Links

Upon selection of the next button “Set Rss Links” the form shown below will open, allowing the user the ability to modify the news entries displayed on the server.



The screenshot shows a window titled "Rss Updater" with a close button. The main heading is "Rss Updater". Below this is a table with two columns: "Title" and "Link".

Title	Link
Title 1	http://www.example1.com/
Title 2	http://www.example2.com/
Title 3	http://www.example3.com/
Title 4	http://www.example4.com/
Title 5	http://www.example5.com/

At the bottom center is an "Update Rss" button.

Once the form is completed and the 'Update Rss' button is pressed a 15-minute interval should be allowed in order for the server to update the news feeds. Upon submission a dialog box will be shown indicating a successful 'handshake' between the client and server.

Timetable

When the time table button is selected another form will display allowing the user the ability to configure what lines are for each year level within the college. This form will open in full screen allowing for maximum occupancy of space to be implemented by the child elements of this form.

Timetable Configuration

Yr: [dropdown]

Mon	Tue	Wed	Thu	Fri	Mon	Tue	Wed	Thu	Fri
[button]	[button]	[button]	[button]	[button]	[button]	[button]	[button]	[button]	[button]
[button]	[button]	[button]	[button]	[button]	[button]	[button]	[button]	[button]	[button]
[button]	[button]	[button]	[button]	[button]	[button]	[button]	[button]	[button]	[button]
[button]	[button]	[button]	[button]	[button]	[button]	[button]	[button]	[button]	[button]
[button]	[button]	[button]	[button]	[button]	[button]	[button]	[button]	[button]	[button]
[button]	[button]	[button]	[button]	[button]	[button]	[button]	[button]	[button]	[button]

Submit

As can be noted within the top right there is a combo box allowing for the entry of Year Level information, with future updates of this program allowing for automatic updates of the current database information.

Upon completing each entry field with the respective line number, the submit button will be able to be pressed. Once pressed the given information will be sent to the server. Allow for a 15-minute interval window to allow for the processed information to be displayed on the server.

Exiting

To exit the client program and close the connection between the client and the server, simply exit the main window.

NOTE: when program is closed all of the other currently open forms will be exited, resulting in a loss of data in some cases. Please ensure that all data entered is successfully submitted to the server before a shutdown.