

In order for the solution to work you must first unpack the zip file and successfully build the solution.  
It was built with Visual Studio 2015.

**This will create the necessary service – ThermService**

**The Client Subscription application – Monitor Temperature**

**The Publisher Application – Change Temperature**

The service should be running on your localhost on port 13239

If not then you will need to change the application config files to the correct port .

Client Temperature

Temperature Notify

All

Freezing Point

Freezing Point Notify

All

Boiling Point

Boiling Point Notify

All

Insignificant Variance

0

Temperature Degree

☐ Farenheit

☐ Celsius

Temperature	Degrees	Date	Direction	Prev Temperature	Freezing Point Reached	Boiling Point Reached
					<input type="checkbox"/>	<input type="checkbox"/>

Subscribe Temperature

## **Monitor Temperature.** Client Subscription

**Temperature Notify** – Values can be All, Up, Down. Determines who temp are sent to the subscriber

All – Receive all temperatures

Up – only receive if the temp is on the rise

Down – only receive if temp is on the decline

**Freezing Point / Boiling Point** - Used to override the standard temperature points.

**Freezing Point Notify / Boiling point Notify** – Values can be All, Once

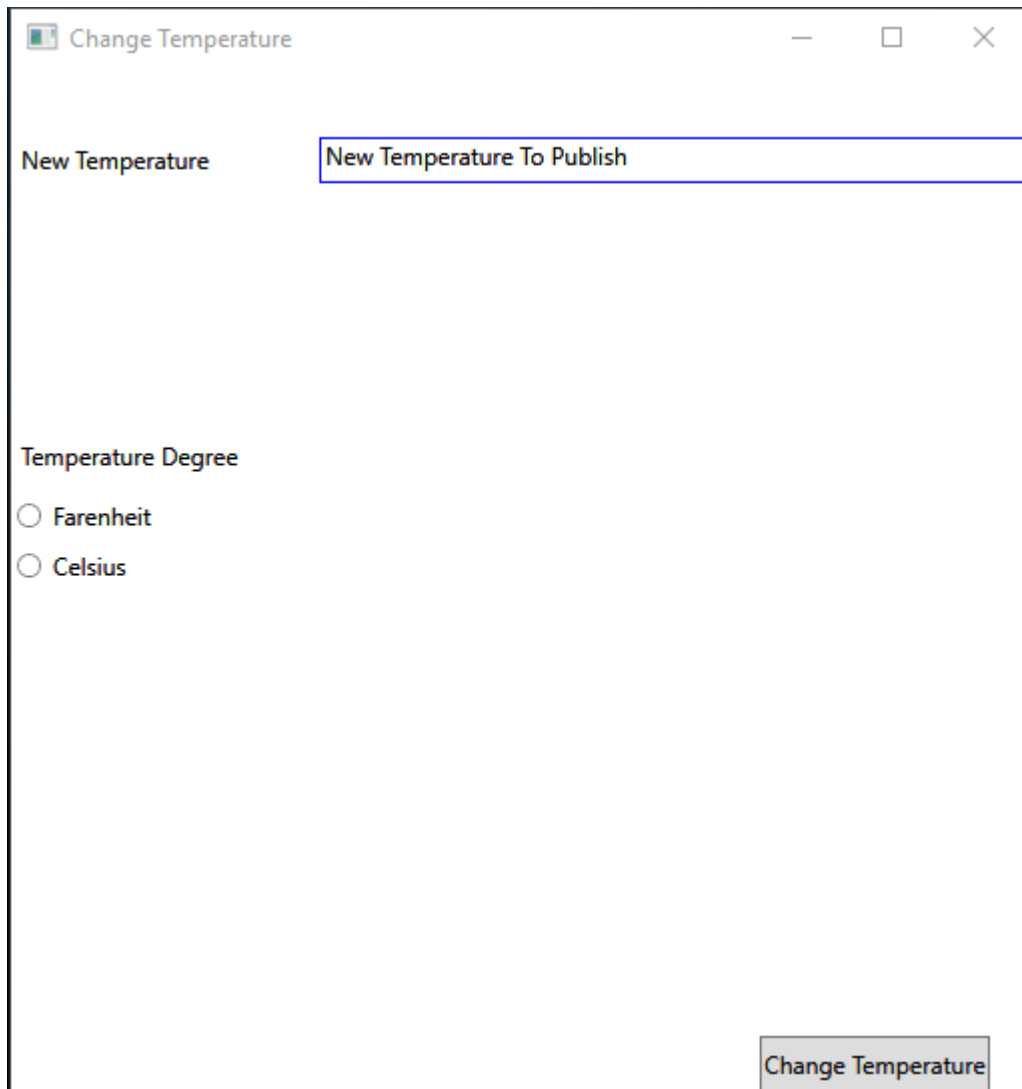
All – notify when the point is reached

Once – only notify once when the point is reached

**Insignificant Variance** - An acceptable variance in the change either up or down to not report a temperature notification.

**Temperature Degrees** – Determines how the temperature is displayed in this subscription.

**Subscribe Temperature** - Submits the subscription to the Service. A unique number will be assigned to this subscription in the Window Title Bar



A screenshot of a Windows-style dialog box titled "Change Temperature". The dialog box has a standard title bar with minimize, maximize, and close buttons. Inside, there is a label "New Temperature" followed by a text input field containing the text "New Temperature To Publish". Below this, there is a label "Temperature Degree" followed by two radio button options: "Fahrenheit" and "Celsius". At the bottom right of the dialog box is a button labeled "Change Temperature".

**Change Temperature** – Use to Publish a new Temperature to the Service.

**New Temperature** – Enter a new value here

**Temperature Degrees** – Determines how the temperature is being publish to the service.

**Change Temperature** – Select to submit to the service