Install GStreamer on Windows

A guide by Zobair

Official documentation

Gstreamer installation official guide is too old and is not updated properly with current technologies.

Official doc:
https://gstreamer.freedesktop.org/documentation/installing/on-windows.html?gi-language=c

Download

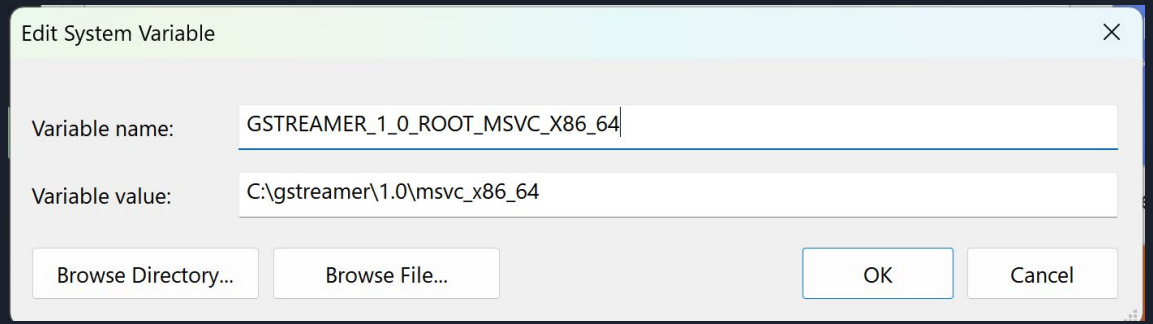
Download both **runtime installer** & **development installer** from **MSVC 64-bit** from below link

https://gstreamer.freedesktop.org/download/#windows

Add Environment Variable to system

Add your installed location to **ENV variable**.

Variable name: GSTREAMER_1_0_ROOT_MSVC_X86_64
Variable value: C:\gstreamer\1.0\msvc_x86_64



Note: Your variable value could be different.

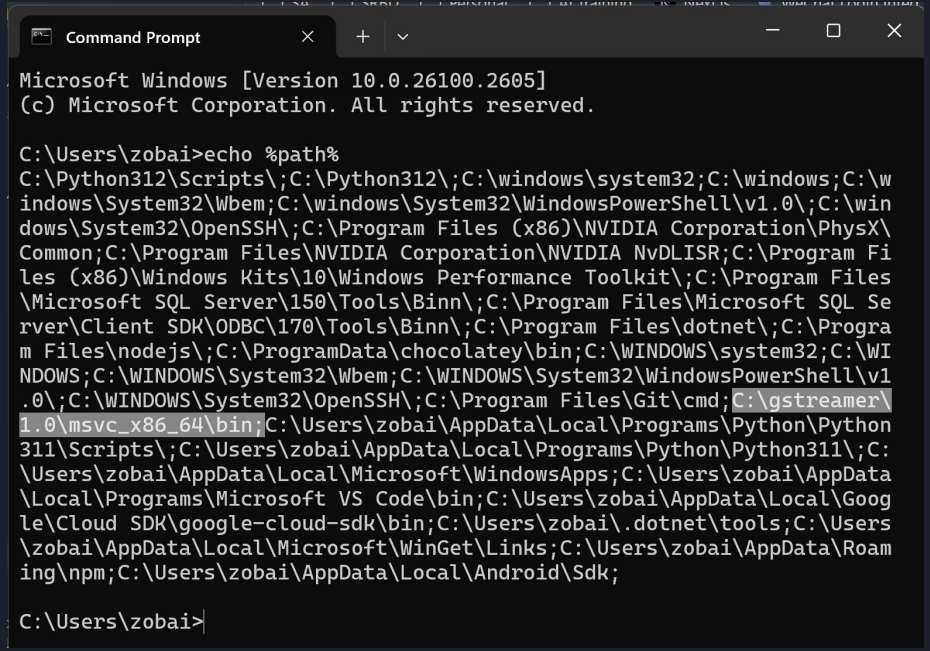
Add Environment Variable Path

Add %GSTREAMER_1_0_ROOT_MSVC_X86_64%\bin to environment variable path

Then restart PC

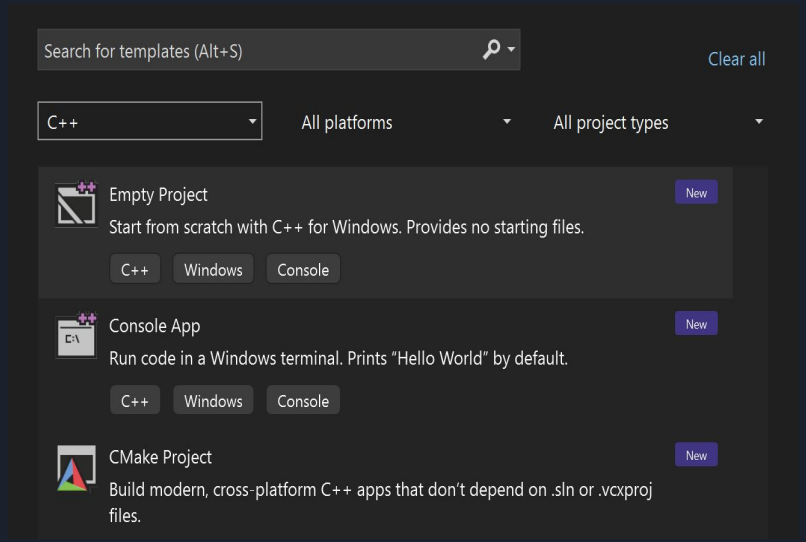
Check Environment Variable Path

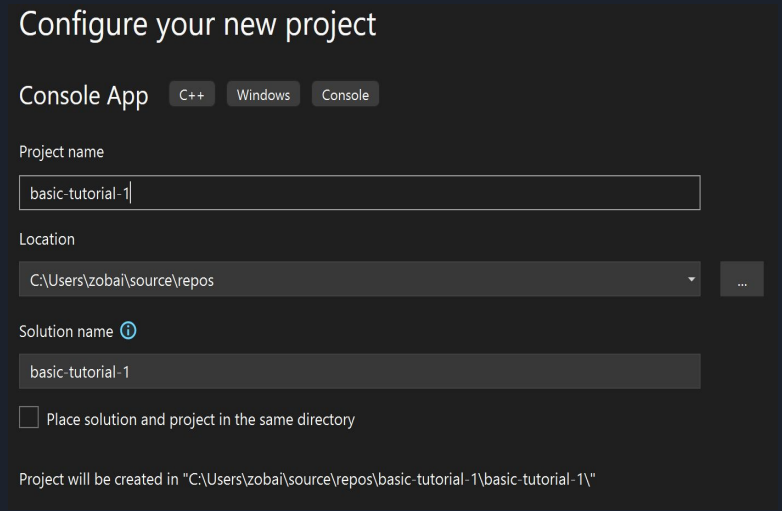
Check if your variable path is added successfully



Create New Project

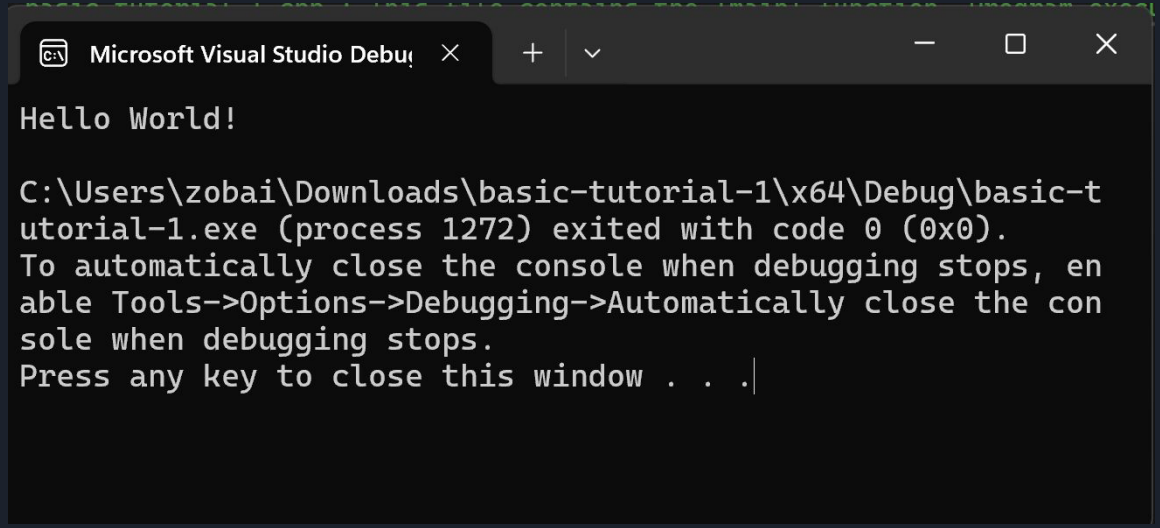
Create new Visual Studio C++ **Console App** named **basic-tutorial-1**





Run Hello World

Check if your hello world project is running successfully



Basic Tutorial 1

Copy basic-tutorial-1.c full code from here and paste to your project
https://gstreamer.freedesktop.org/documentation/tutorials/basic/hello-world.html?gi-language=c

Add properties

Go to Property Manager and add E:\gstreamer\1.0\msvc_x86_64\share\vs\2010\libs\gstreamer-1.0.props to existing property sheet

Fix error

Error: argument of type "int" is incompatible with parameter of type "GstMessageType"

Fix: Try replacing GST_MESSAGE_ERROR | GST_MESSAGE_EOS with (GstMessageType)(GST_MESSAGE_ERROR | GST_MESSAGE_EOS)

Run the project

Run the project.
It will play a video from net.