

Final Project

USE HTTP PROTOCOL TO IMPLEMENT MEDIA SERVER

0410137 劉家麟

OUTLINE

1. System Configuration
2. Steps in setting up the system
3. How to encode the video for streaming

System Configuration

INTRODUCE THE CONFIGURATION

Configuration

Media Server (Sender)

VLC Player

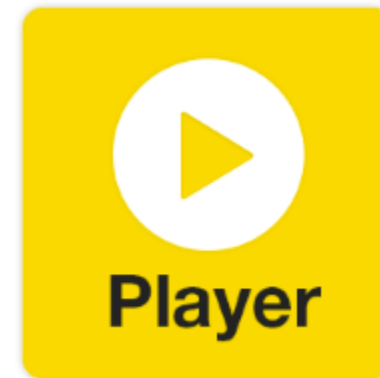
running on Windows 10



Media Player (Receiver)

PotPlayer

running on Windows 10

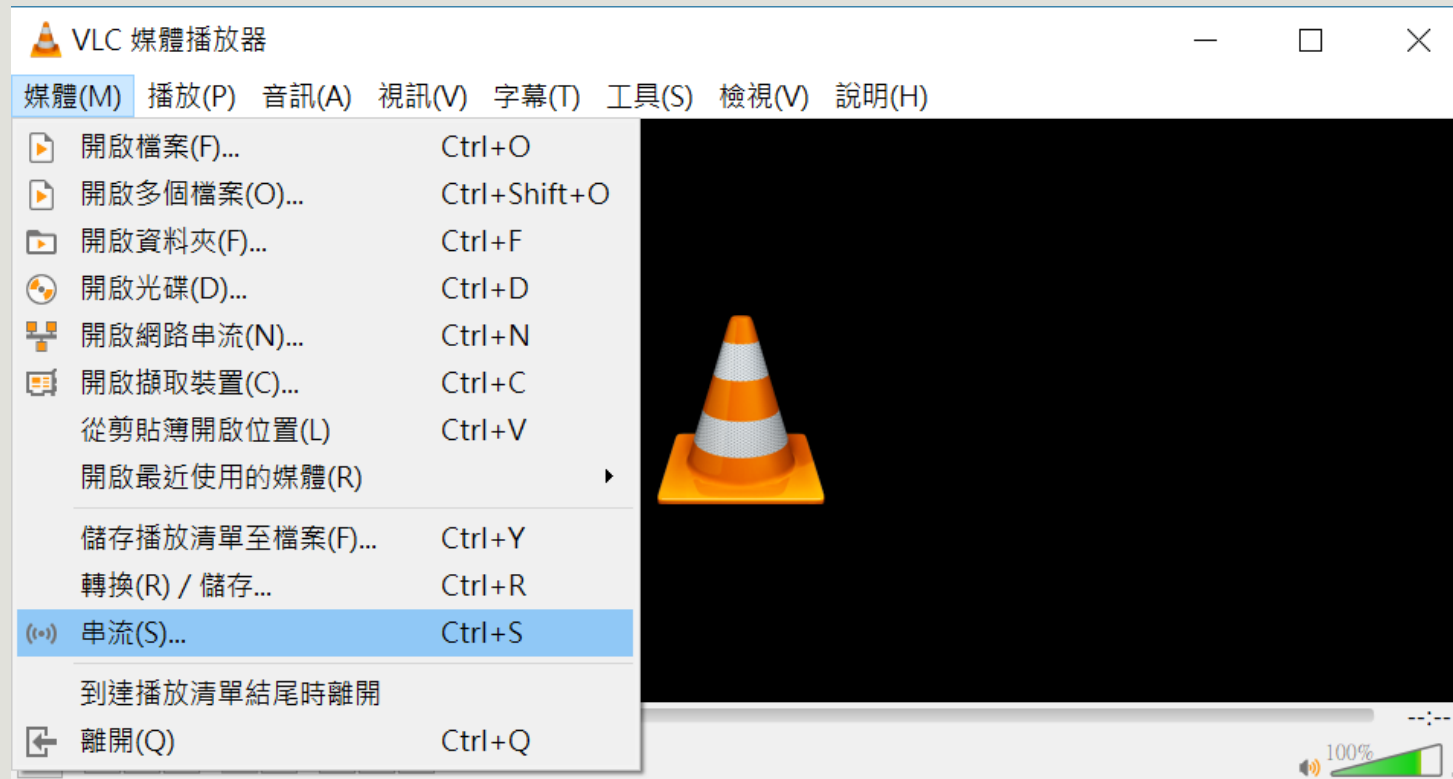


Steps

SETTING UP THE SYSTEM

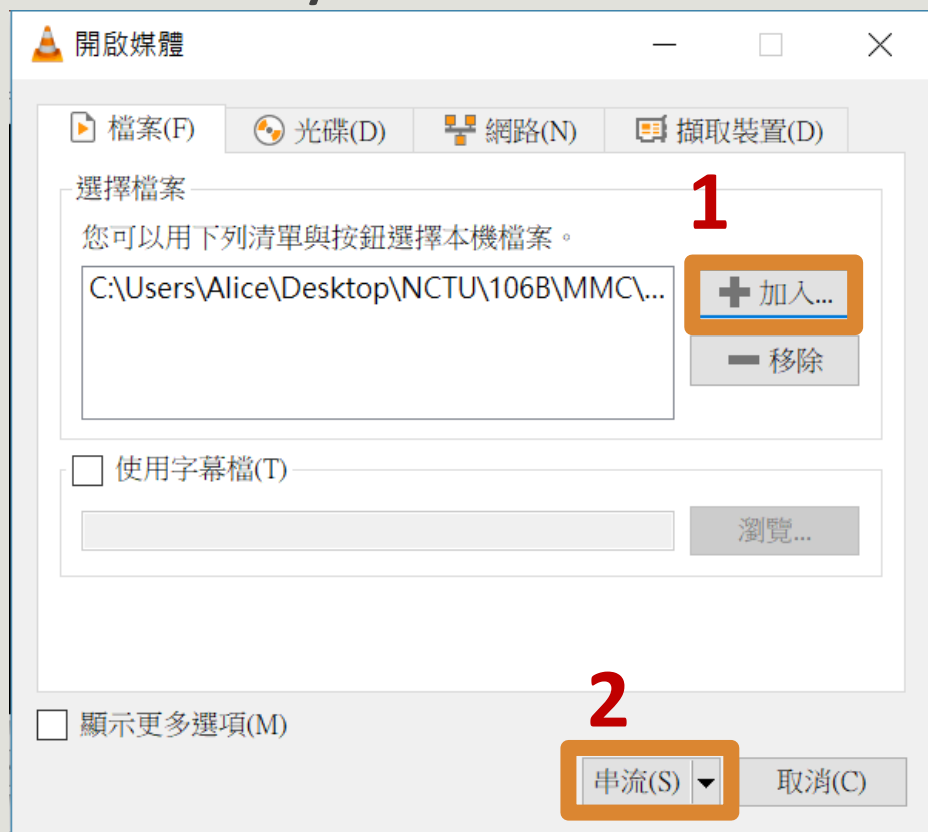
Steps for Media Server (VLC) (1/5)

Open Streaming Function (Ctrl+S)



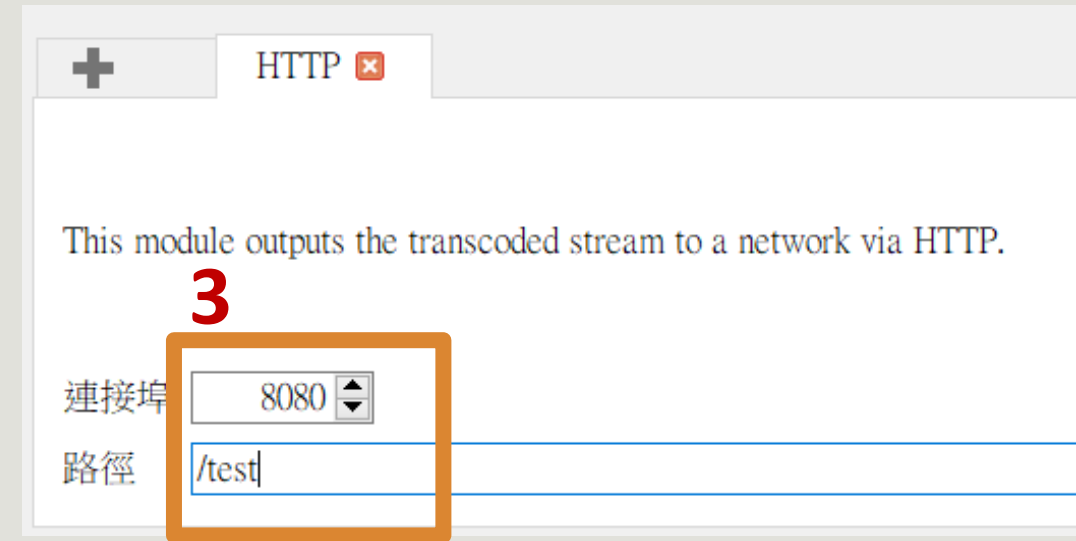
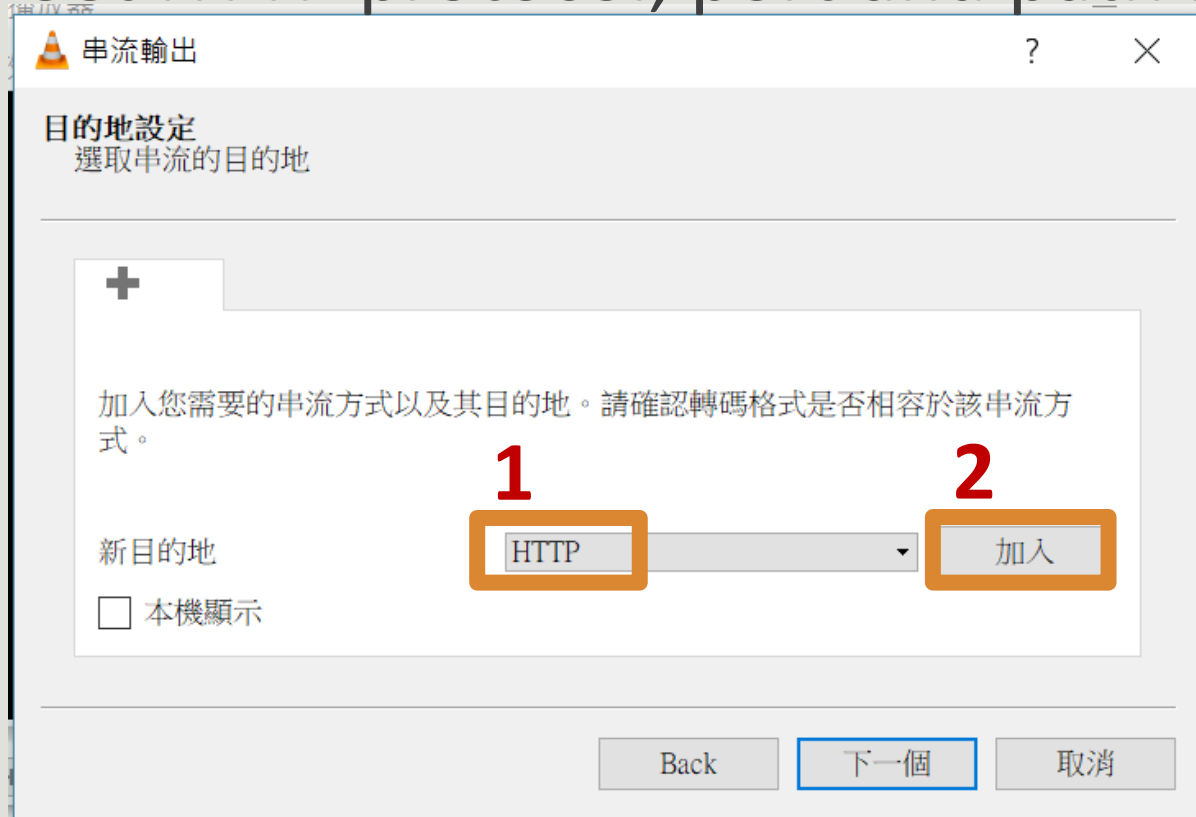
Steps for Media Server (VLC) (2/5)

Add file you want to stream and stream it



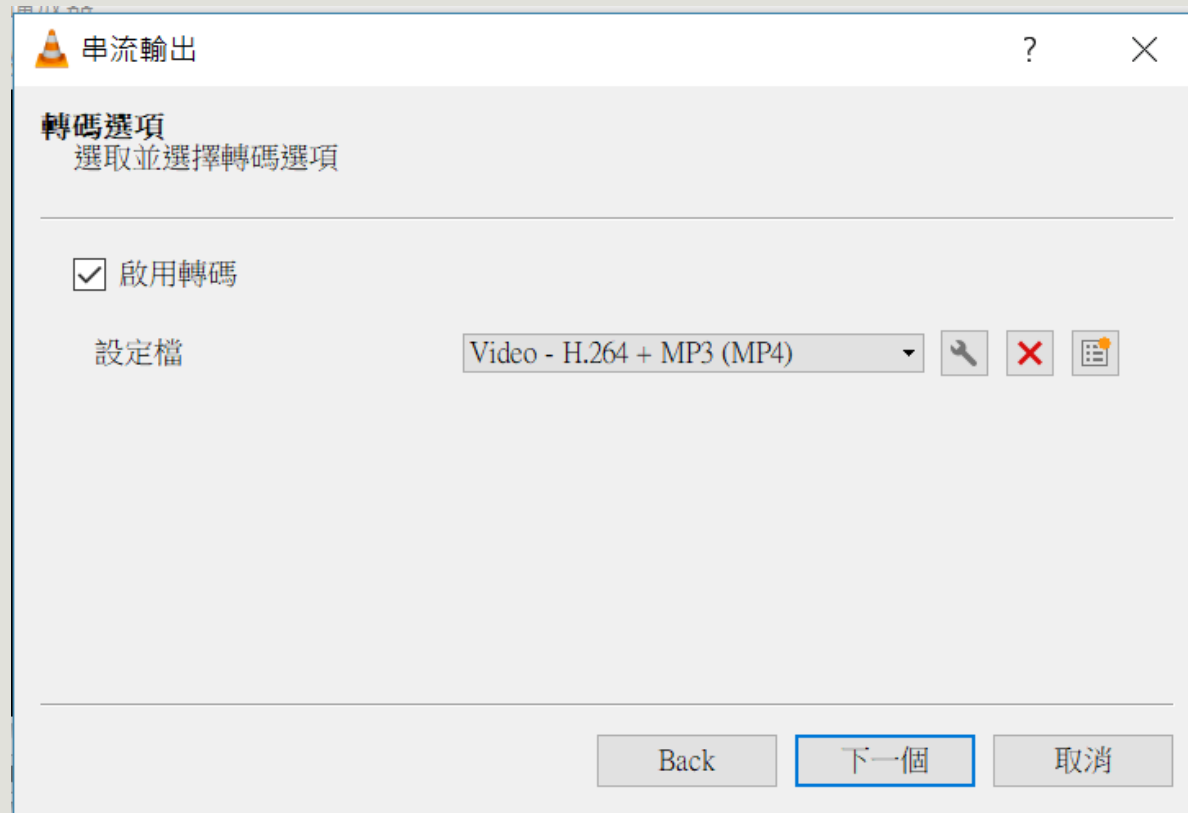
Steps for Media Server (VLC) (3/5)

Set HTTP protocol, port and path name



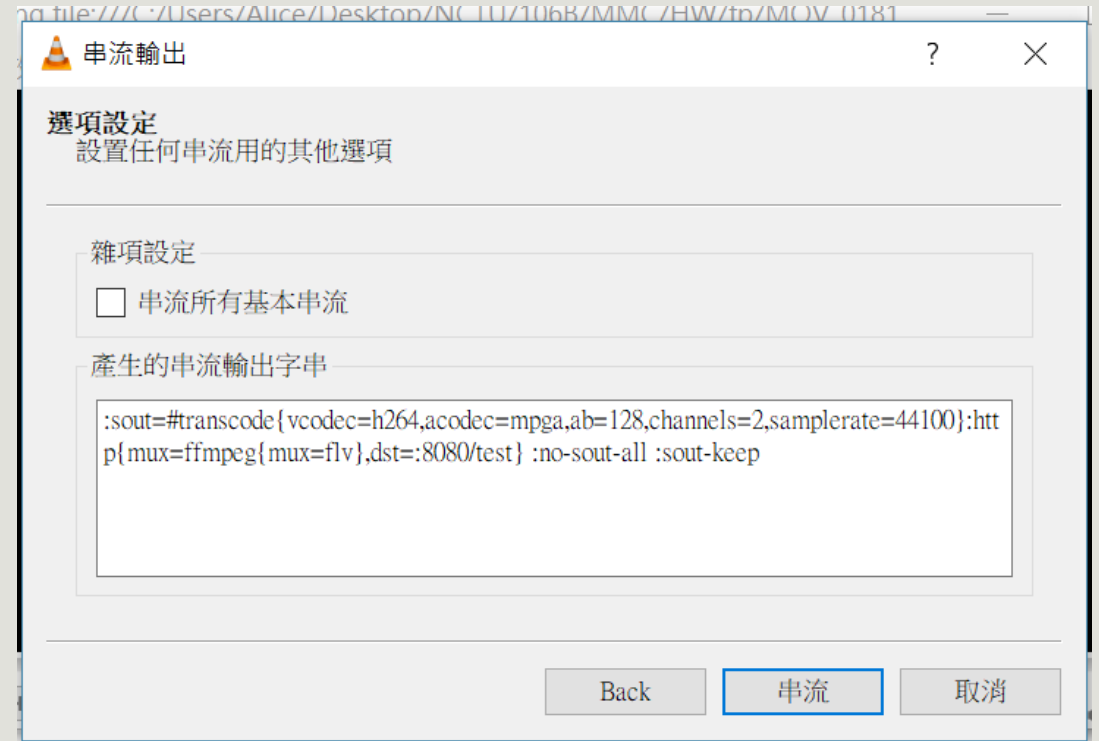
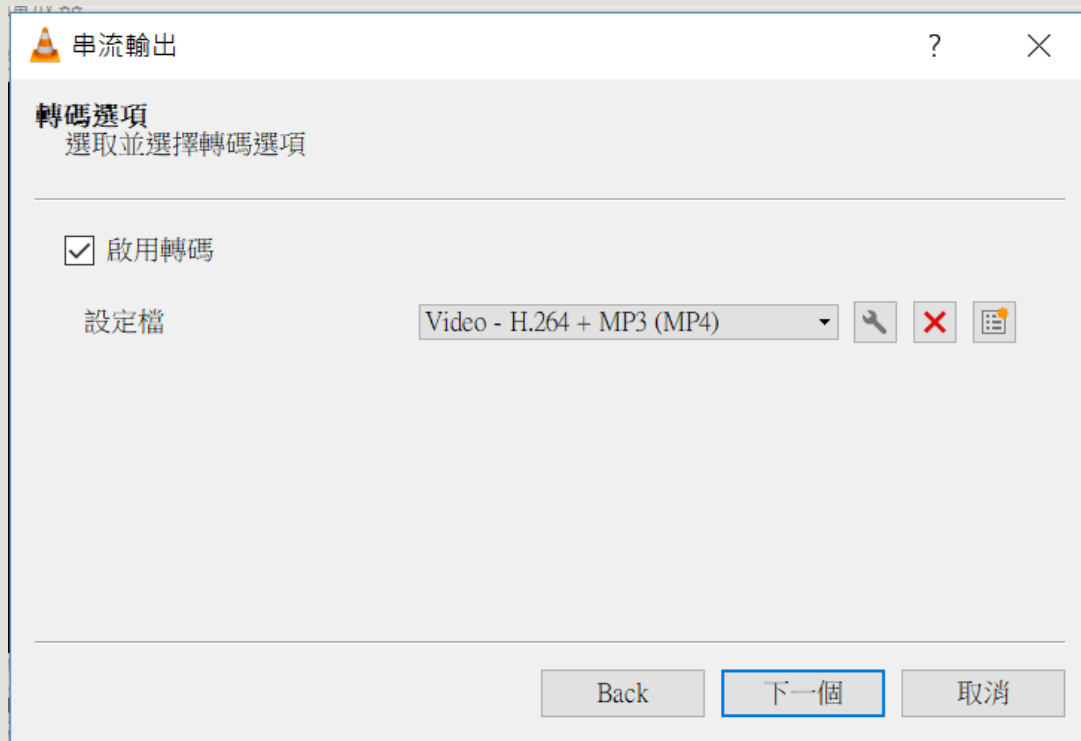
Steps for Media Server (VLC) (4/5)

Choose Encoder (Codec), use H.264+MP4 here



Steps for Media Server (VLC) (5/5)

Choose Encoder (H.264+MP4 here), and stream it



Steps for Media Player (Pot) (1/3)


Open w/ URL to open HTTP stream



Steps for Media Player (Pot) (2/3)

Type URL: http://your_IP:port/name

開啟位址

 在下方輸入您需要播放的檔案網址。

例) <http://www.daum.net/test.mp3>

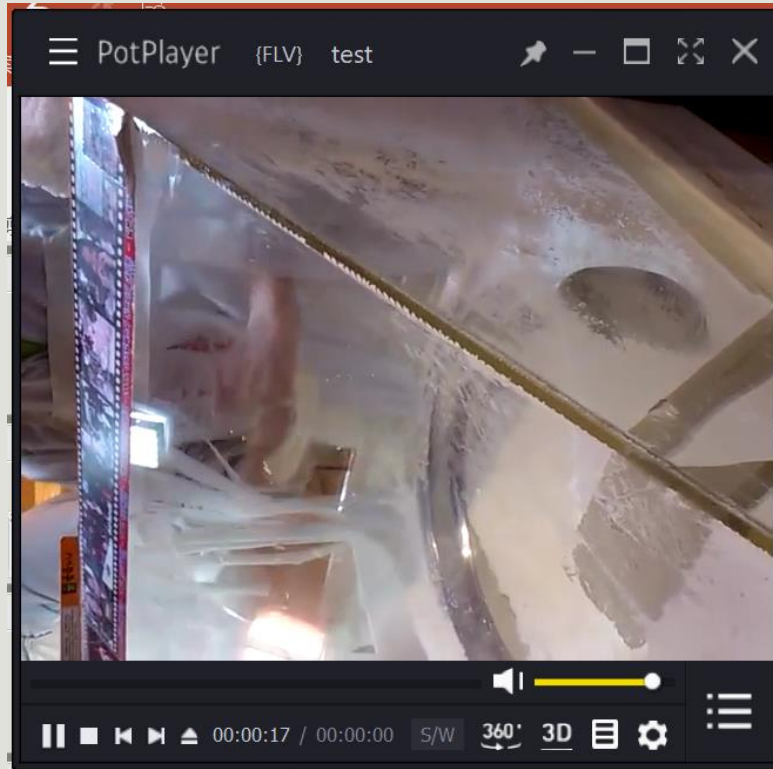
☒ 儲存使用者輸入的位址至清單中

☐ 預設使用剪貼簿中的可用位址

☒ 同時開啟字幕

Steps for Media Player (Pot) (3/3)

Then, you can view the video thru HTTP



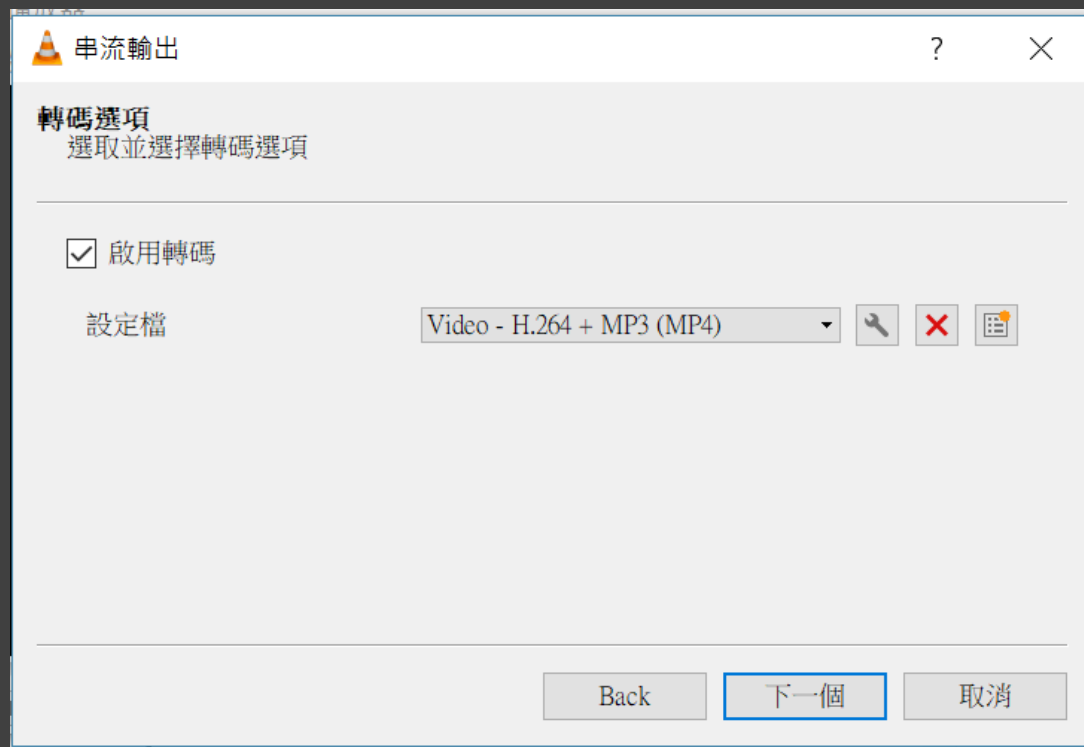
Video source: shot by myself

How to Encode Video

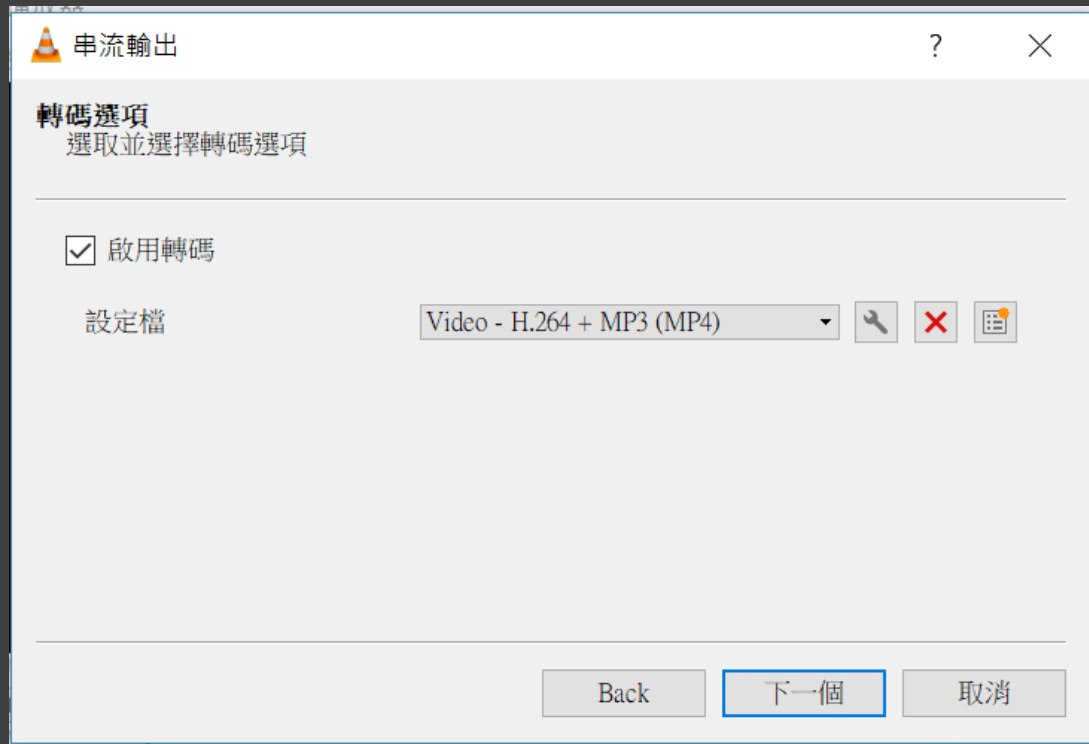
H.264 / MP4

H.264 / MP4

Just like step 5 of Media Server



H.264 / MP4



- Coding of AV objects
- High compression rate
- Good performance