

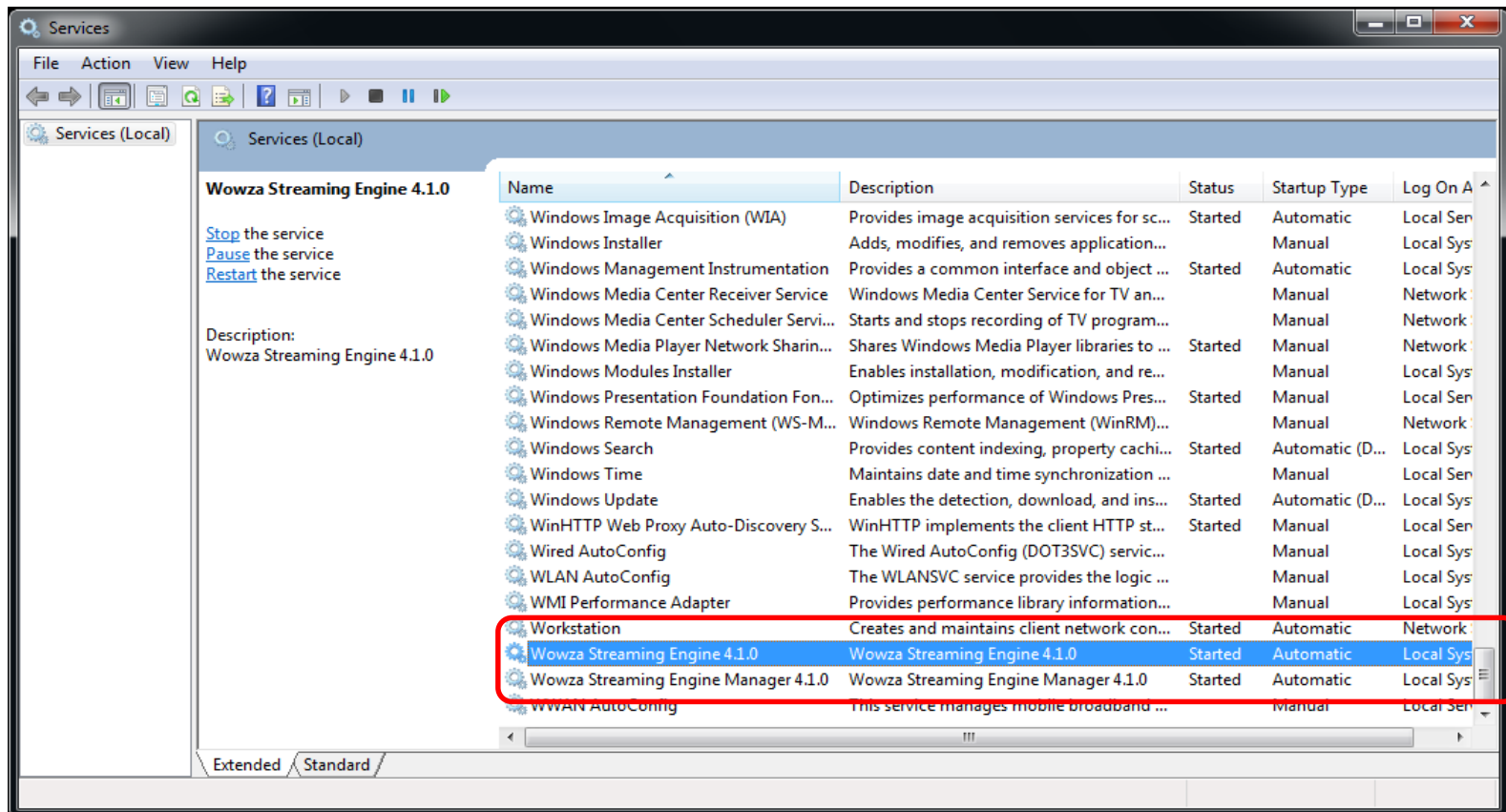
# **QCAP SDK RTMP Web Portal to YouTube Live by WOWZA Guide ENG 1.1.0.160.0**

## **◆ Introduction**

- We will guide user how do RTMP Publish to YouTube by WOWZA.

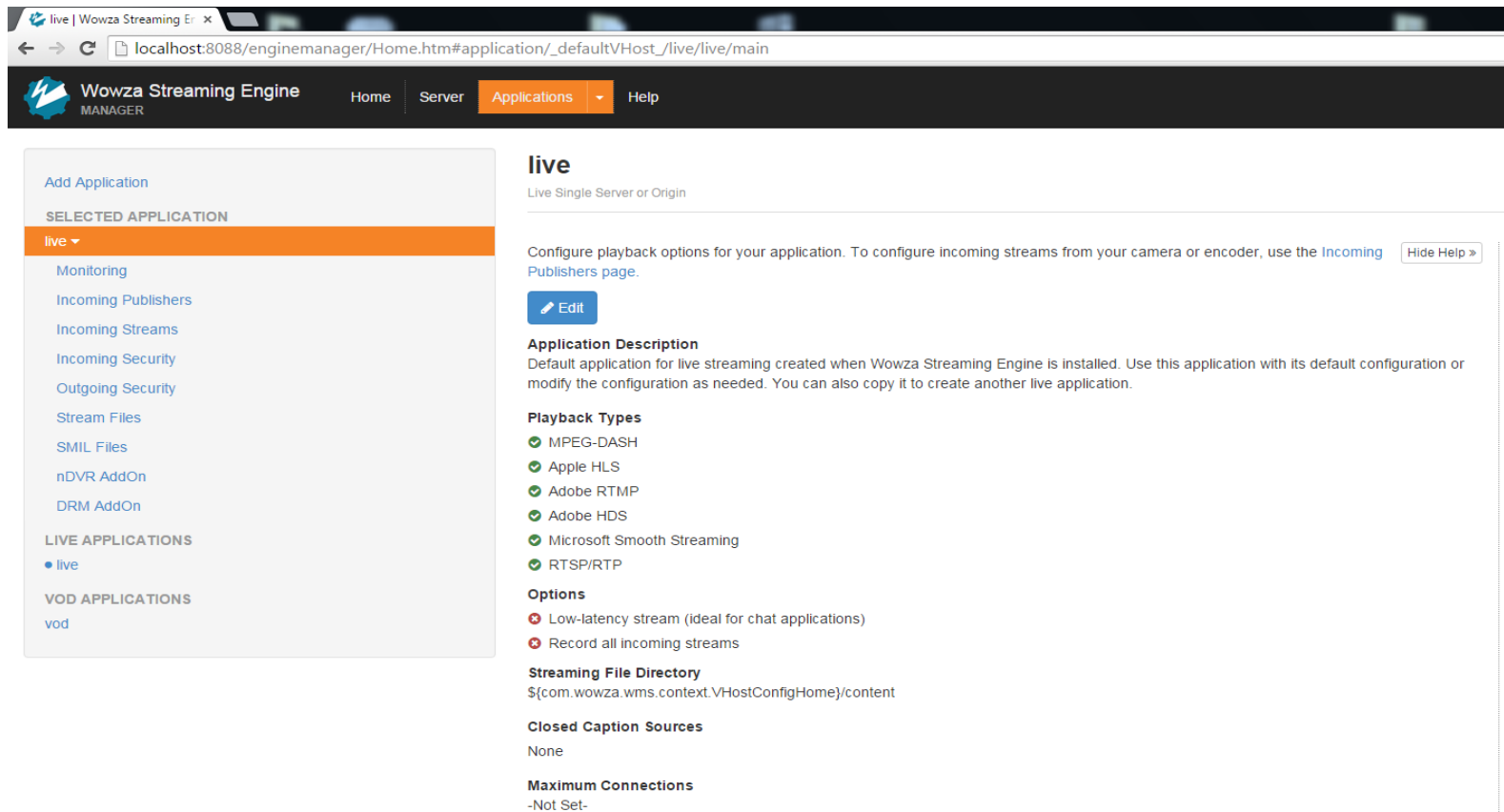
# RTMP Web Portal to YouTube Live by WOWZA

1. Complete WOWZA Setup, and then click services page to start WOWZA status.



# RTMP Web Portal to YouTube Live by WOWZA

2. Start WOWZA Streaming Engine Manager to check applications property.



The screenshot displays the Wowza Streaming Engine Manager web interface. The browser address bar shows the URL: `localhost:8088/enginemanager/Home.htm#application/_defaultVHost/_live/live/main`. The navigation bar includes links for Home, Server, Applications (selected), and Help. The left sidebar lists various application management options, with 'live' selected under 'LIVE APPLICATIONS'. The main content area shows the configuration for the 'live' application, which is described as a 'Live Single Server or Origin'. It provides instructions on configuring playback options and includes an 'Edit' button. The 'Application Description' states it is the default application for live streaming. The 'Playback Types' section lists several supported protocols, all of which are checked: MPEG-DASH, Apple HLS, Adobe RTMP, Adobe HDS, Microsoft Smooth Streaming, and RTSP/RTP. The 'Options' section shows two settings: 'Low-latency stream (ideal for chat applications)' and 'Record all incoming streams', both of which are unchecked. The 'Streaming File Directory' is set to `${com.wowza.wms.context.VHostConfigHome}/content`. The 'Closed Caption Sources' are set to 'None', and the 'Maximum Connections' are set to '-Not Set-'.

live  
Live Single Server or Origin

Configure playback options for your application. To configure incoming streams from your camera or encoder, use the [Incoming Publishers](#) page. [Hide Help »](#)

[Edit](#)

**Application Description**  
Default application for live streaming created when Wowza Streaming Engine is installed. Use this application with its default configuration or modify the configuration as needed. You can also copy it to create another live application.

**Playback Types**

- ☒ MPEG-DASH
- ☒ Apple HLS
- ☒ Adobe RTMP
- ☒ Adobe HDS
- ☒ Microsoft Smooth Streaming
- ☒ RTSP/RTP

**Options**

- ☐ Low-latency stream (ideal for chat applications)
- ☐ Record all incoming streams

**Streaming File Directory**  
`${com.wowza.wms.context.VHostConfigHome}/content`

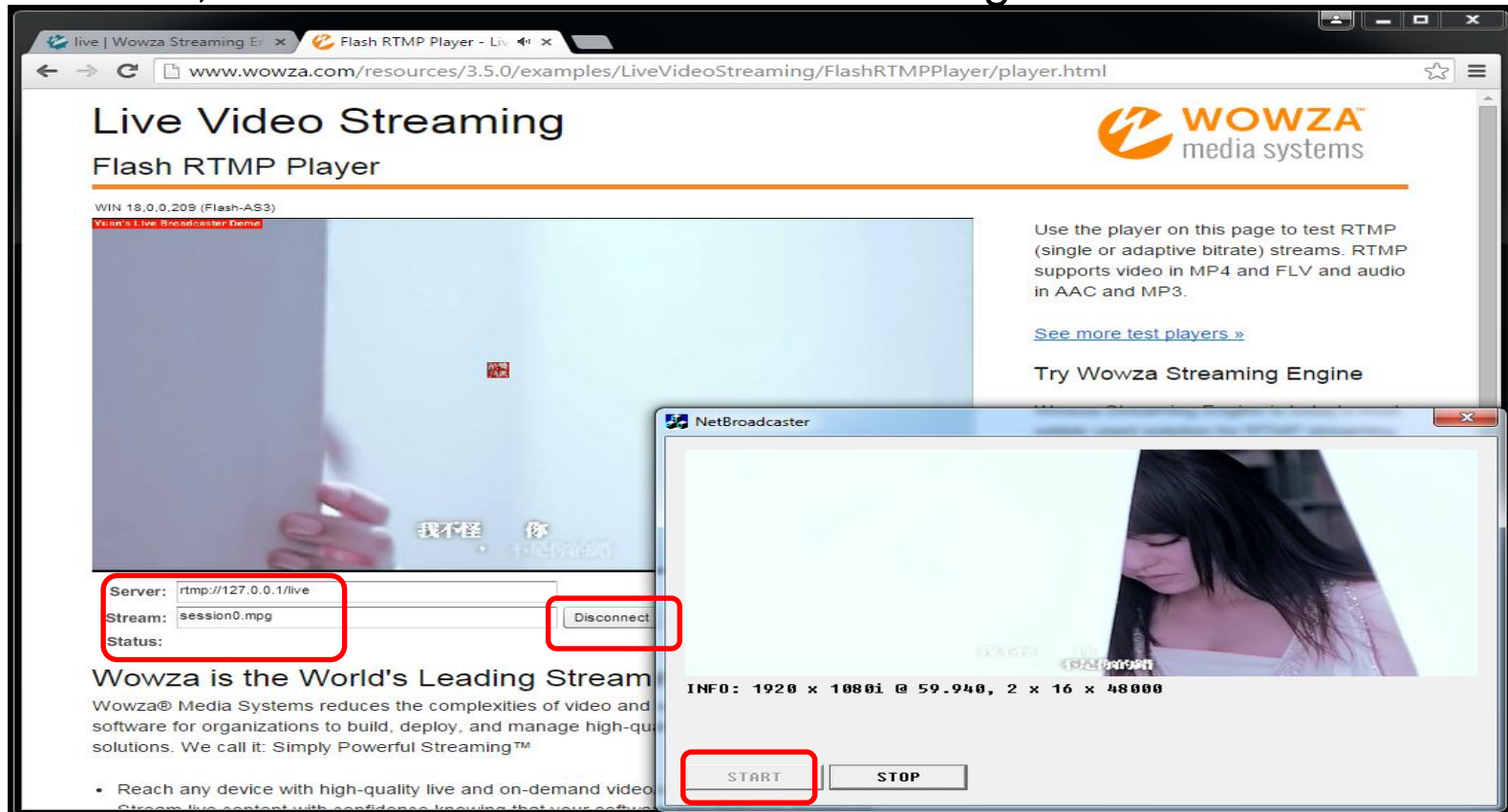
**Closed Caption Sources**  
None

**Maximum Connections**  
-Not Set-

# RTMP Web Portal to YouTube Live by WOWZA

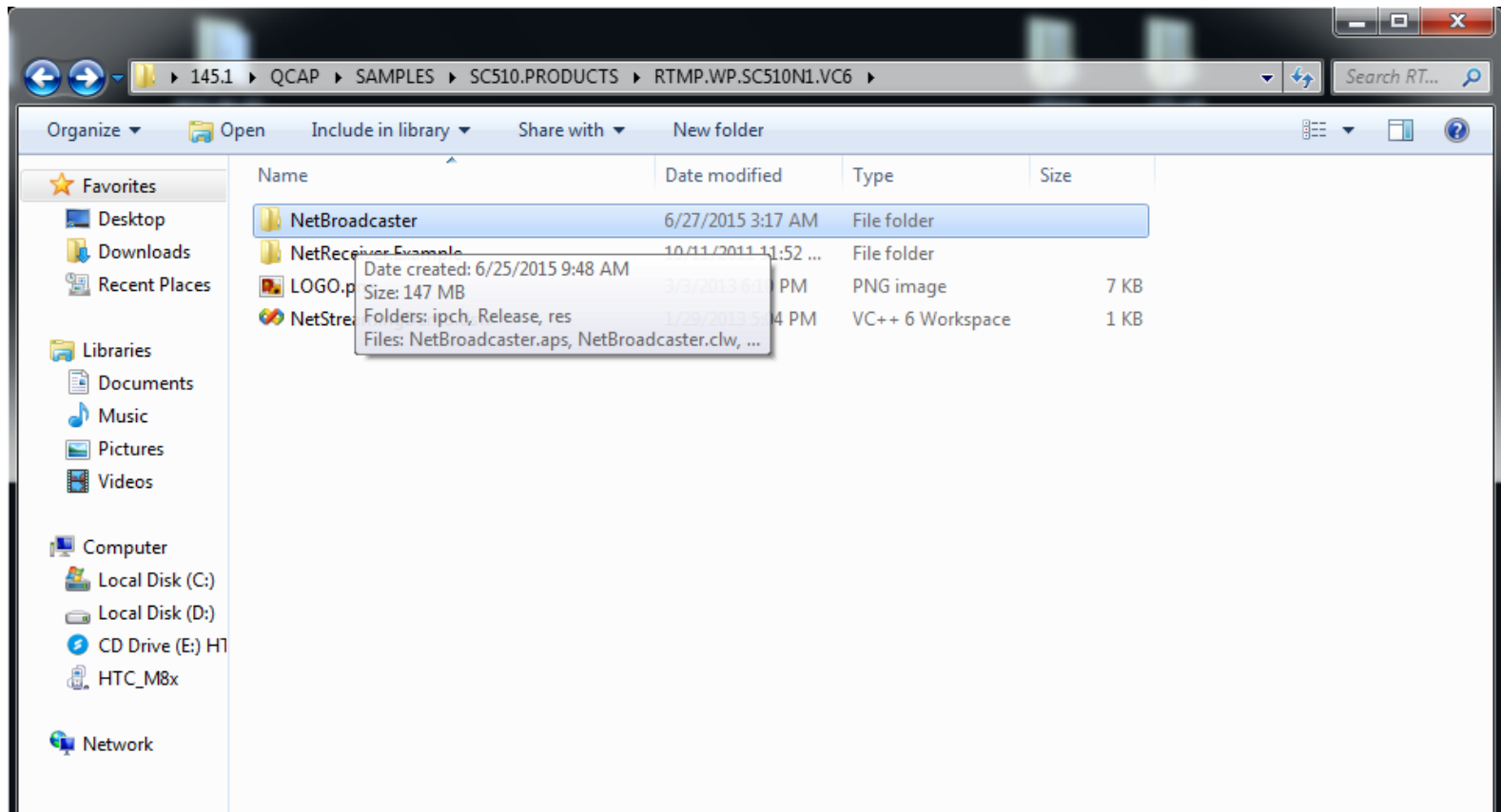
3. Specify server URL and Stream URL.

If it success, user can see Live Video Streaming on WOWZA.



# RTMP Web Portal to YouTube Live by WOWZA

4. Select Demo Sample RTMP.WP.Sample of NetBroadcast folder.



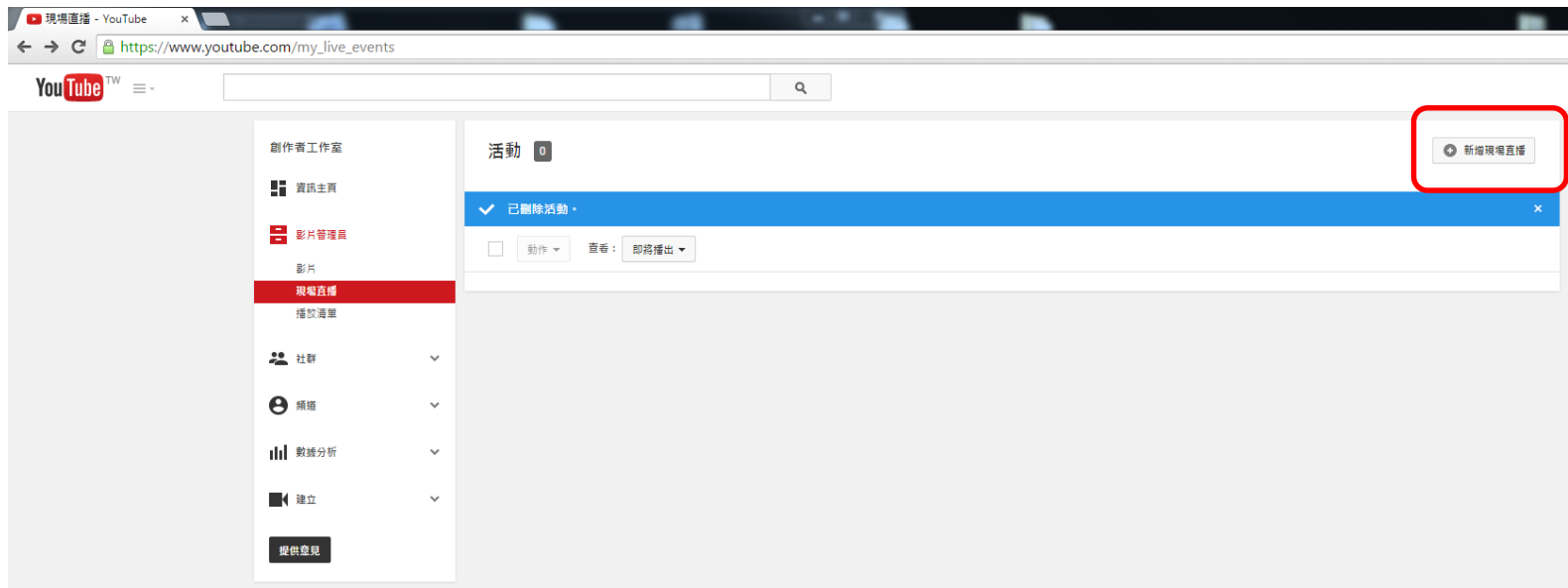
# RTMP Web Portal to YouTube Live by WOWZA

5. Click Live Events of Video Manager.



# RTMP Web Portal to YouTube Live by WOWZA

## 6. Create New Live Events.



# RTMP Web Portal to YouTube Live by WOWZA

## 7. Input Title and Select Custom Encoder.

The screenshot shows the YouTube 'Create Live Event' interface. On the left is a sidebar with navigation options: 創作工作室, 資訊主頁, 影片管理員, 影片, 現場直播 (highlighted), 播放清單, 社群, 頻道, 數據分析, 建立, and 提供意見. The main content area is titled 'Live Streaming Test' and has two tabs: '基本資訊' (Basic Information) and '進階設定' (Advanced Settings). The '基本資訊' tab is active. It contains a title input field with 'Live Streaming Test' entered, a duration dropdown set to '2:00', a time zone dropdown set to '台灣 (GMT+08:00) 台北', a description text area, and a tags input field with '標記 (例如愛因斯坦、飛天豬、混播)'. To the right of the main form is a '公開' (Public) dropdown, a thumbnail placeholder, and social sharing options. Below these is the '類型' (Category) section, where '自訂 (更多編碼選項)' (Custom (More encoding options)) is selected. At the bottom right, there are buttons for '取消' (Cancel) and '建立活動' (Create Event). A warning message at the bottom states: '提醒：對於您即時串流播放的所有內容 (包括所有實錄內容)，您已同意您擁有其版權、獲得適當授權或已取得使用權利。' (Warning: For all content you stream live (including all recorded content), you agree you own the rights, have obtained proper authorization, or have obtained the right to use it.)

建立新活動 - YouTube

https://www.youtube.com/my\_live\_events?action\_create\_live\_event=1

YouTube TW

創作工作室

資訊主頁

影片管理員

影片

現場直播

播放清單

社群

頻道

數據分析

建立

提供意見

資訊與設定

Live Streaming Test

基本資訊 進階設定

Live Streaming Test

今天 2:00 新增直播時間

台灣 (GMT+08:00) 台北 編輯

說明

標記 (例如愛因斯坦、飛天豬、混播)

建議標籤: + Streaming Media (Industry)

提醒：對於您即時串流播放的所有內容 (包括所有實錄內容)，您已同意您擁有其版權、獲得適當授權或已取得使用權利。 [瞭解詳情](#)

公開

替影片加上訊息

同時分享到：

類型

自訂 (更多編碼選項)


取消 建立活動

某些變更尚未儲存。 取消 建立活動



# RTMP Web Portal to YouTube Live by WOWZA

8. Select a Bitrates and Copy RTMP URL and RTMP Stream.  
For Example : **RTMP URL/ RTMP Stream**



The screenshot shows the YouTube Live Event setup interface. The left sidebar contains navigation links: 社群, 頻道, 數據分析, 建立, and 提供意見. The main content area is titled "選擇編碼器的最大承受位元率" (Select the maximum bitrate the encoder can handle). It includes a dropdown menu for "基本掛取" (Basic) with a selected value of "3000 Kbps - 6000 Kbps (1080p)". Below this, there are checkboxes for "啟用 60fps" and "自訂內容掛取". The "編碼器" (Encoder) section is titled "選擇編碼器" (Select encoder) and includes a dropdown menu for "其他編碼器". The "設定編碼器" (Configure encoder) section is titled "複製並貼入編碼器" (Copy and paste into encoder) and includes a text input field for "串流名稱" (Stream name) with the value "tim904021.9zaj-v1aw-42p6-e92e". Below this is a text input field for "主要伺服器網址" (Primary server address) with the value "rtmp://x.rtmp.youtube.com/live2". The "啟用編碼器" (Enable encoder) section is titled "啟動編碼器" (Start encoder) and includes a checkbox for "啟用字幕" (Enable subtitles). The "前往現場中檢室" (Go to live room) section is titled "現場中檢室" (Live room) and includes a link to "現場中檢室" (Live room).

YouTube

https://www.youtube.com/my\_live\_events?camera\_tab=0&action\_edit\_live\_event\_stream=1&event\_id=OyAHyXtxFFc

社群

頻道

數據分析

建立

提供意見

選擇編碼器的最大承受位元率 \*  
選擇您的編碼器對應的最大持續輸出範圍。

☒ 基本掛取

3000 Kbps - 6000 Kbps (1080p)

☐ 啟用 60fps

☐ 自訂內容掛取

編碼器

YouTube 現場活動支援多種編碼器。請從下列選項中選取一種編碼器，然後按照操作說明進行。

其他編碼器

1. 設定編碼器  
[建議設定](#)

2. 複製並貼入編碼器  
在編碼軟體的設定選項中輸入串流名稱和網址。

串流名稱

tim904021.9zaj-v1aw-42p6-e92e

主要伺服器網址

rtmp://x.rtmp.youtube.com/live2

備用伺服器網址

rtmp://y.rtmp.youtube.com/live2?backup=1

3. 啟動編碼器  
啟動編碼器，然後將您的串流影片傳送給我們。

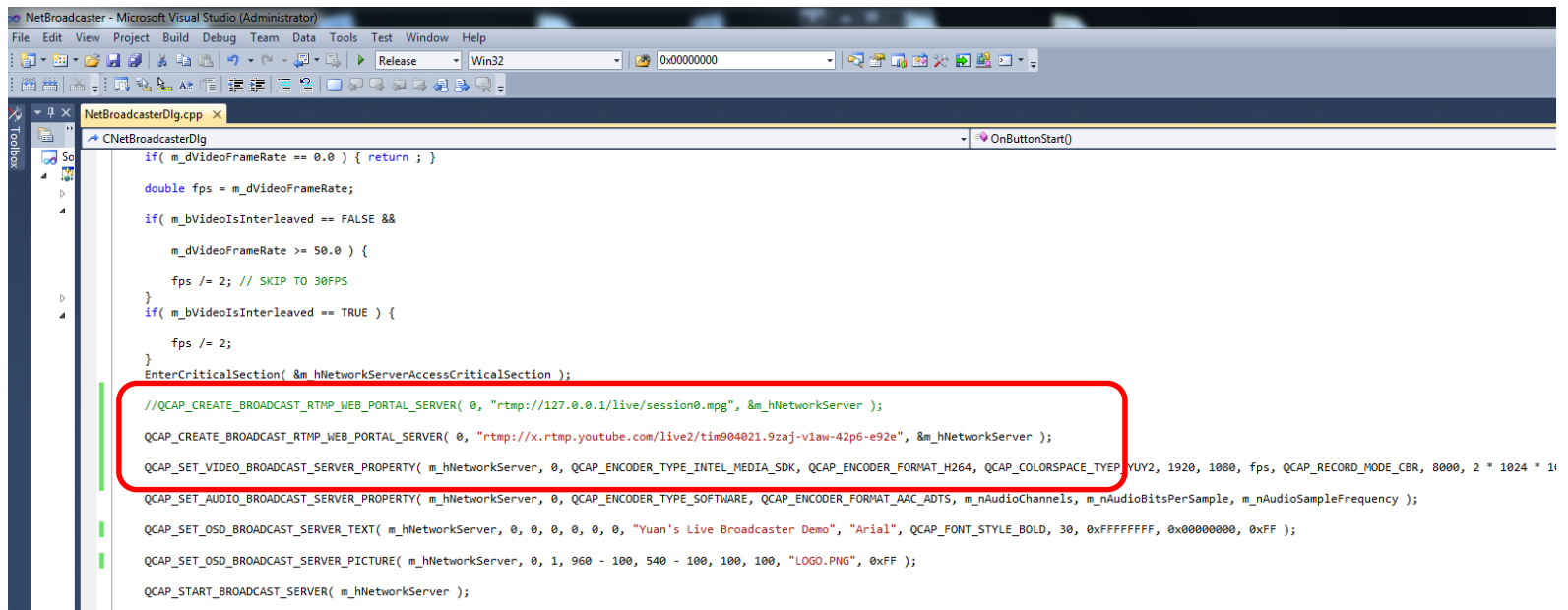
4. 前往現場中檢室。  
[現場中檢室](#)可讓您預覽及開始串流活動。

字幕

☐ 啟用字幕 (需要支援的服務供應商/軟體)

# RTMP Web Portal to YouTube Live by WOWZA

9. Enter RTMP URL addresses.



```
NetBroadcaster - Microsoft Visual Studio (Administrator)
File Edit View Project Build Debug Team Data Tools Test Window Help
Release Win32 0x00000000
NetBroadcasterDlg.cpp
CNetBroadcasterDlg OnButtonStart()

if( m_dVideoFrameRate == 0.0 ) { return ; }

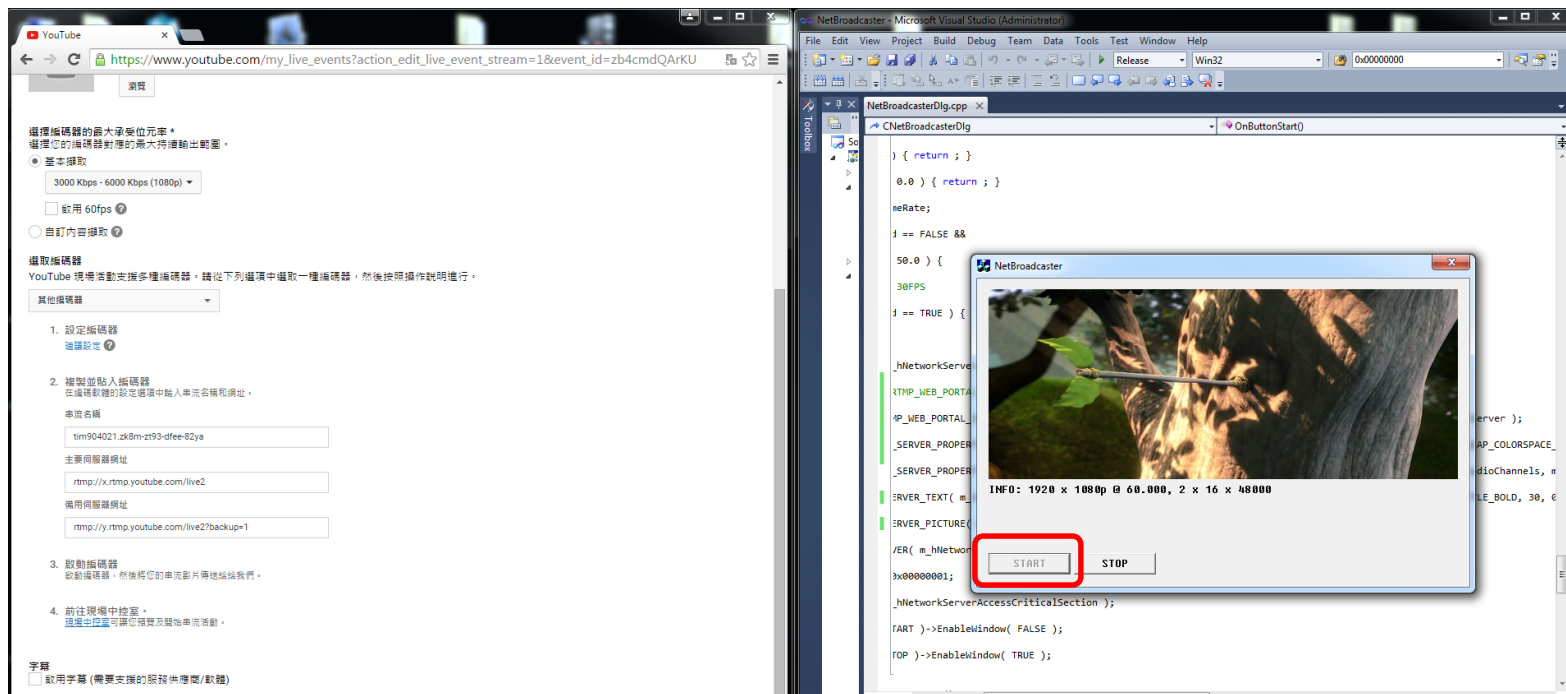
double fps = m_dVideoFrameRate;

if( m_bVideoIsInterleaved == FALSE &&
    m_dVideoFrameRate >= 50.0 ) {
    fps /= 2; // SKIP TO 30FPS
}
if( m_bVideoIsInterleaved == TRUE ) {
    fps /= 2;
}
EnterCriticalSection( &m_hNetworkServerAccessCriticalSection );

//QCAP_CREATE_BROADCAST_RTMP_WEB_PORTAL_SERVER( 0, "rtmp://127.0.0.1/live/session0.mpg", &m_hNetworkServer );
QCAP_CREATE_BROADCAST_RTMP_WEB_PORTAL_SERVER( 0, "rtmp://x.rtmp.youtube.com/live2/tim904021.9zaj-v1aw-42p6-e92e", &m_hNetworkServer );
QCAP_SET_VIDEO_BROADCAST_SERVER_PROPERTY( m_hNetworkServer, 0, QCAP_ENCODER_TYPE_INTEL_MEDIA_SDK, QCAP_ENCODER_FORMAT_H264, QCAP_COLORSPACE_TYEP_YUY2, 1920, 1080, fps, QCAP_RECORD_MODE_CBR, 8000, 2 * 1024 * 1024 );
QCAP_SET_AUDIO_BROADCAST_SERVER_PROPERTY( m_hNetworkServer, 0, QCAP_ENCODER_TYPE_SOFTWARE, QCAP_ENCODER_FORMAT_AAC_ADTS, m_nAudioChannels, m_nAudioBitsPerSample, m_nAudioSampleFrequency );
QCAP_SET_OSD_BROADCAST_SERVER_TEXT( m_hNetworkServer, 0, 0, 0, 0, 0, 0, "Yuan's Live Broadcaster Demo", "Arial", QCAP_FONT_STYLE_BOLD, 30, 0xFFFFFFFF, 0x00000000, 0xFF );
QCAP_SET_OSD_BROADCAST_SERVER_PICTURE( m_hNetworkServer, 0, 1, 960 - 100, 540 - 100, 100, 100, "LOGO.PNG", 0xFF );
QCAP_START_BROADCAST_SERVER( m_hNetworkServer );
```

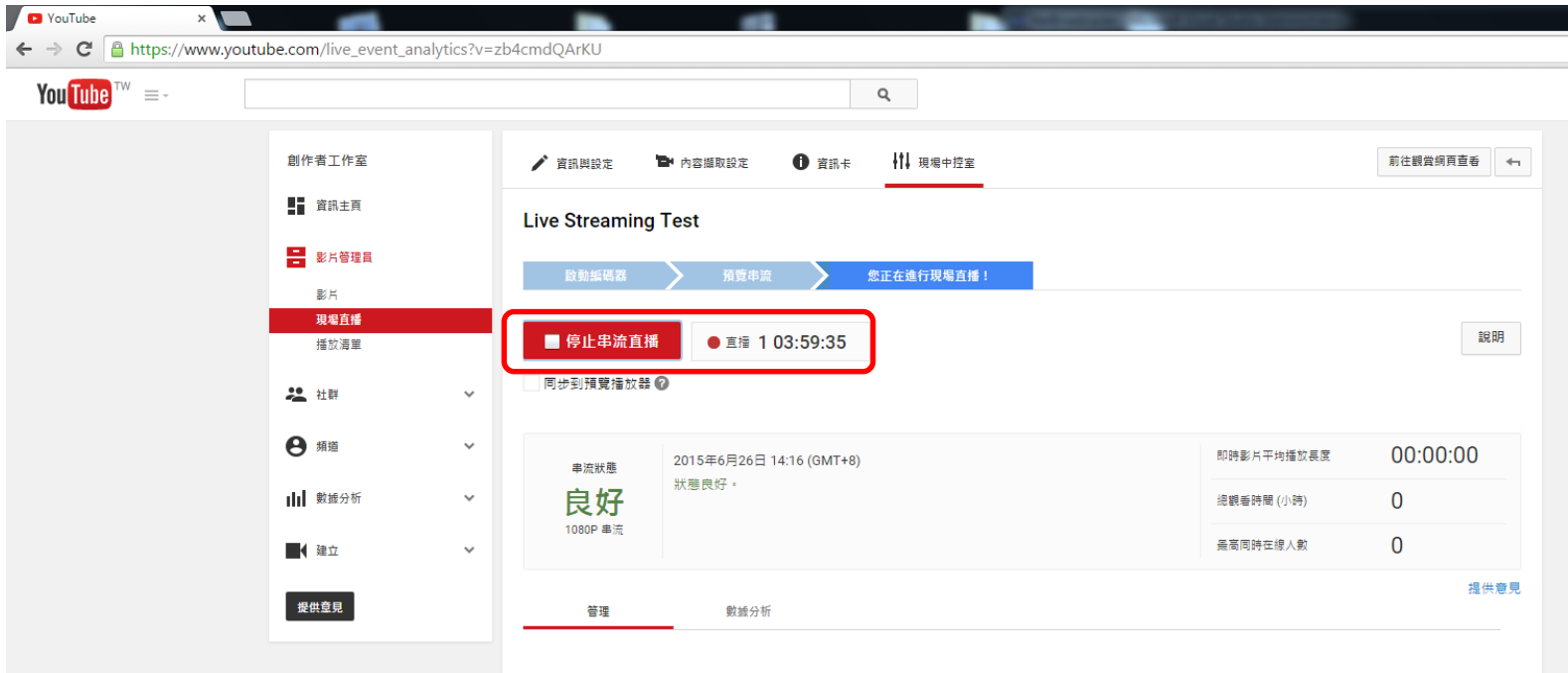
# RTMP Web Portal to YouTube Live by WOWZA

## 10. Start RTMP Web Portal Streaming.



# RTMP Web Portal to YouTube Live by WOWZA

## 11. Start Live Streaming on YouTube.



The screenshot shows the YouTube Live Streaming Test interface. The left sidebar contains navigation links: 創作工作室, 資訊首頁, 影片管理員, 影片, 現場直播 (highlighted), 播放清單, 社群, 頻道, 數據分析, 建立, and 提供意見. The main content area is titled 'Live Streaming Test' and includes a progress bar with three steps: 啟動編碼器, 預覽串流, and 您正在進行現場直播!. Below the progress bar, a red box highlights the '停止串流直播' button and the '直播 1 03:59:35' status. The interface also displays a '串流狀態' (Streaming Status) section with a '良好' (Good) status and a '1080P 串流' (1080P Streaming) label. The '數據分析' (Data Analysis) section shows the following metrics:

串流狀態	2015年6月26日 14:16 (GMT+8)	即時影片平均播放長度	00:00:00
良好	狀態良好。	總觀看時間 (小時)	0
1080P 串流		最高同時在線人數	0

The interface also includes a '管理' (Manage) tab and a '數據分析' (Data Analysis) tab. A '提供意見' (Provide Feedback) link is located at the bottom right.

# RTMP Web Portal to YouTube Live by **WOWZA**

12. You Will See Live Streaming on YouTube.

