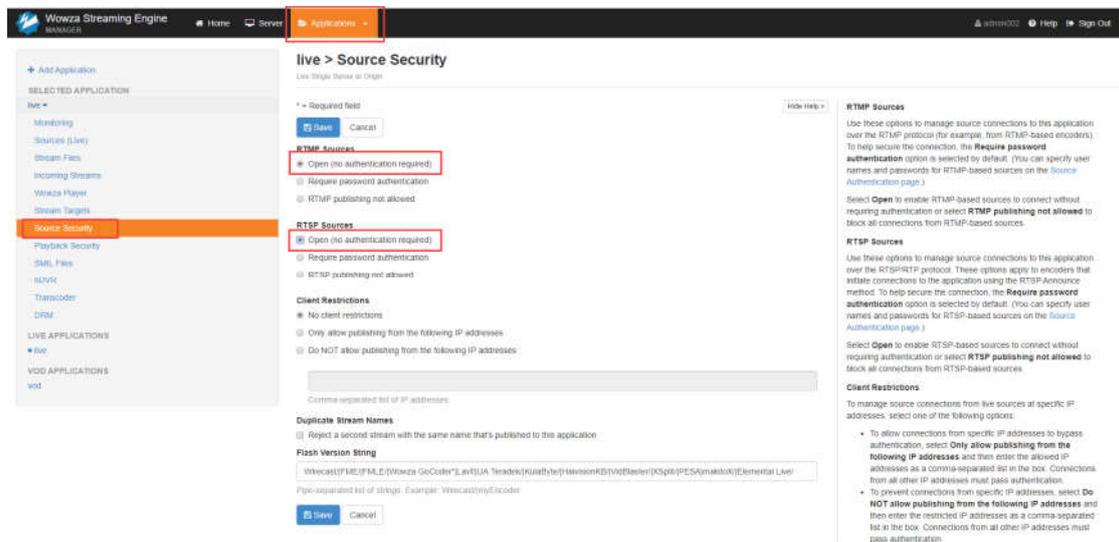


Operation Manual of SRT with Wowza Stream Server

I. Preparation of Wowza Stream Server

- Install Wowza on Linux or Windows.
- Wowza Version 4.7.2 can only support SRT receiving, if you want to send SRT, please install 4.7.3 or higher version.
- Wowza support SRT Version 1.1, and can only receive and send SRT streams through MPEG-TS.

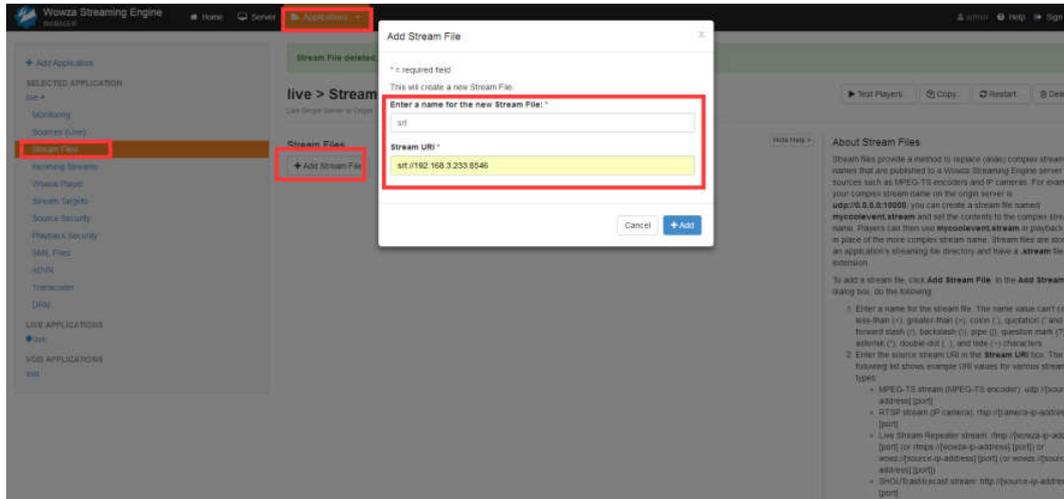
Note: After login in, please click “Source Security”, choose “Open (no authentication requirement)” at RTMP sources and RTSP sources.



II. Receive SRT streams

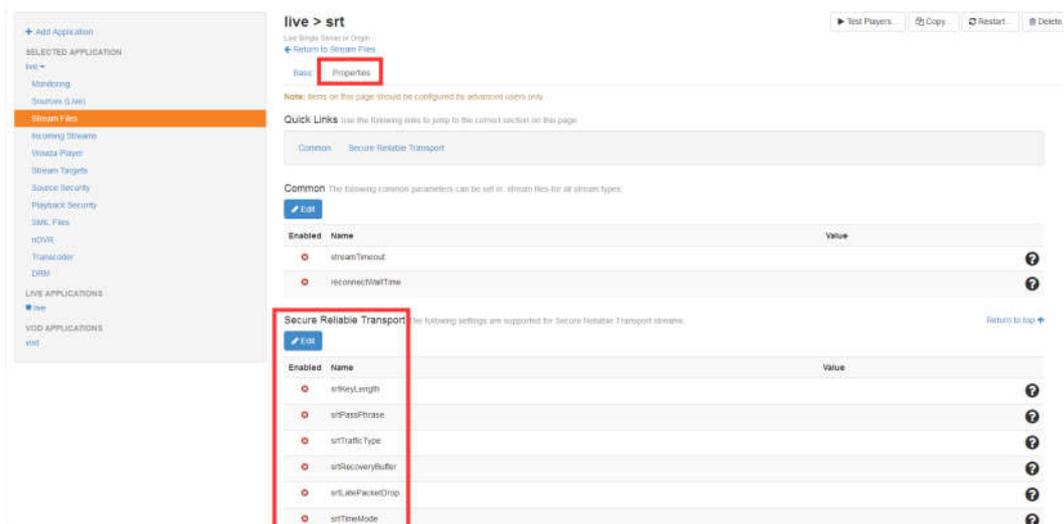
Login Wowza to receive SRT stream, first you need to create a SRT stream folder.

1、Click “Application”--“Stream Files”--“Add Stream file”, enter a name of “srt” for new stream file, URL address: srt://Wowza-ip: listener port. Click “Add ” for saving.

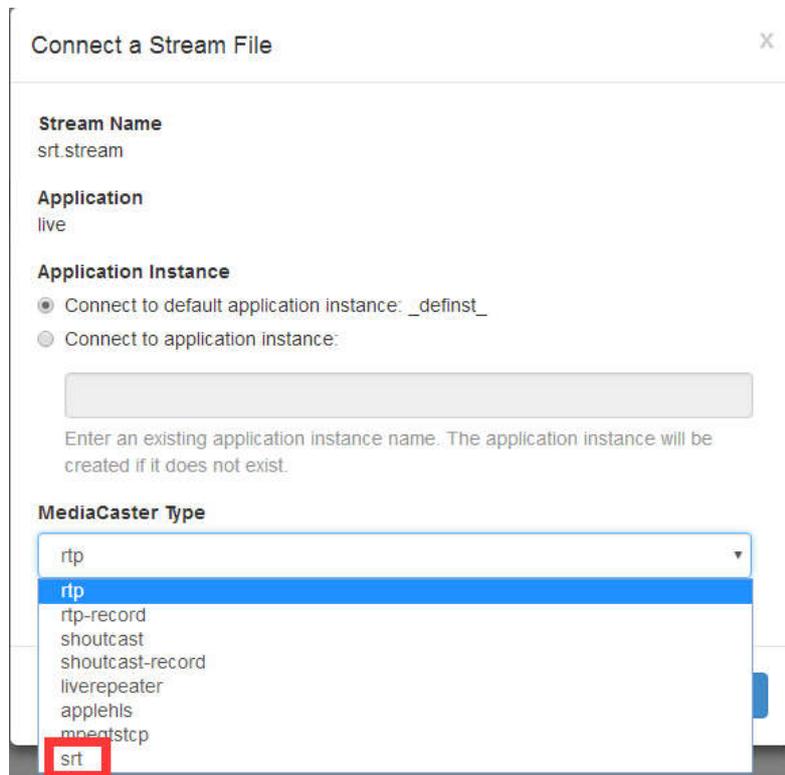
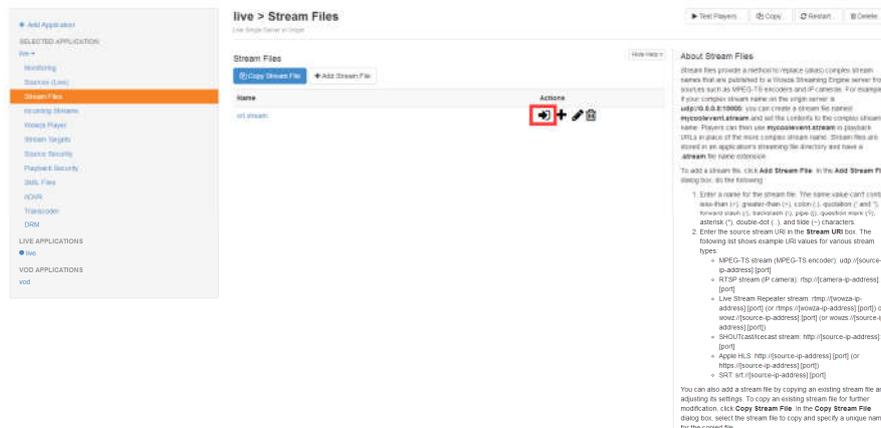


Note: Listener port is the same configuration as the port of SRT sender

2、Click “Properties” to set SRT receiving parameters, the default encryption method is not encrypted, with latency 400ms, only supporting SRT stream packed by MPEG-TS. Please configure the corresponding parameters according to SRT sender.



3、 Click the icon , in the pop-up dialog box, drop down the MediaCaster Type option box, select “SRT”, click “Save” to start the SRT receiving.



4、 The configuration of the **KILOVIEW encoder** (SRT sender). The handshake mode is CALLER, the address is the Wowza server address, and the port and receiver are in consistent.

Primary Stream SRT-TS Pushing Parameters

Open SRT service

Handshake Mode

Address

Port
(Please fill in the value of 0-65536)

Transport Delay(ms)
(Please fill in the value of 0-5000)

Advanced Settings

5、 Click “Incoming Streams” to refresh the status of the stream receiving. If the flow status is "Active", it shows a normal connection.



live ▾

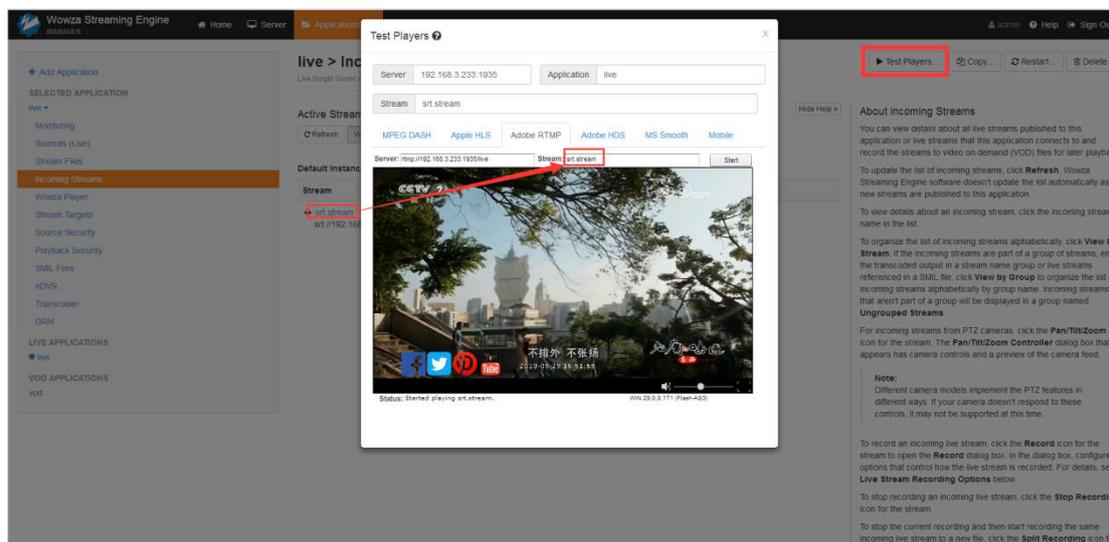
- Monitoring
- Sources (Live)
- Stream Files
- Incoming Streams**
- Wowza Player
- Stream Targets
- Source Security
- Playback Security

Active Streams Streams available for recording via this application. Hide Help >

Default Instance (default)

Stream	Status	Actions
→ srt_stream srt://192.168.3.233:8546	Active	  

6、 Click “Test Players” in the upper right corner of the page, it can play the received SRT stream. Take the playing with Adobe RTMP as an example:
The play address is: `rtmp://Wowza-ip:1935/live/srt.stream`



Wowza Streaming Engine

live > Incoming Streams

Test Players

Server: 192.168.3.233:1935 Application: live

Stream: srt_stream

MPEG DASH Apple HLS Adobe RTMP Adobe HDS MS Smooth Mobile

Server: srt://192.168.3.233:8546 Stream: srt_stream

Video player showing a live stream of a cityscape.

About Incoming Streams

You can view details about all live streams published to this application or live streams that this application connects to and record the streams to video on demand (VOD) files for later playback.

To update the list of incoming streams, click **Refresh**. Wowza Streaming Engine software doesn't update the list automatically as new streams are published to this application.

To view details about an incoming stream, click the incoming stream name in the list.

To organize the list of incoming streams alphabetically, click **View by Stream**. If the incoming streams are part of a group of streams, enter the transcoded output in a stream name group or live streams referenced in a SML file, click **View by Group** to organize the list of incoming streams alphabetically by group name. Incoming streams that aren't part of a group will be displayed in a group named **Ungrouped Streams**.

For incoming streams from PTZ cameras, click the **Pan/Tilt/Zoom** icon for the stream. The **Pan/Tilt/Zoom Controller** dialog box that appears has camera controls and a preview of the camera feed.

Note:
Different camera models implement the PTZ features in different ways. If your camera doesn't respond to these controls, it may not be supported at this time.

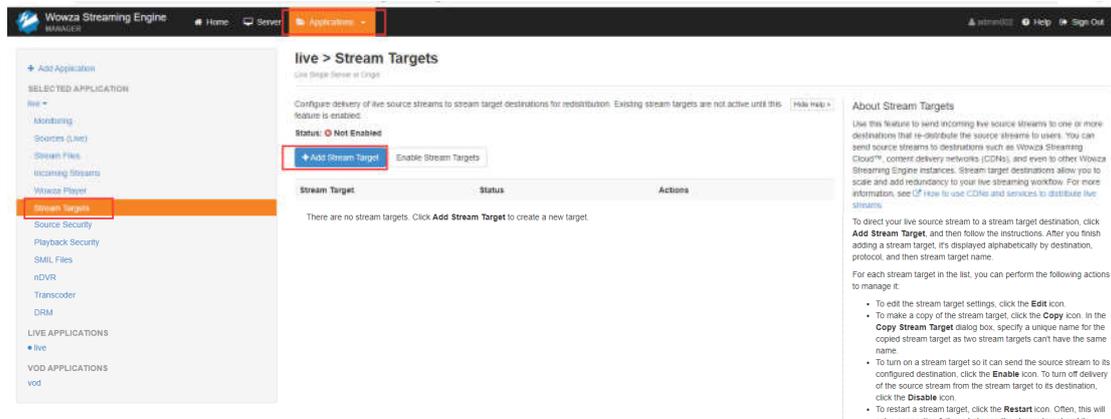
To record an incoming live stream, click the **Record** icon for the stream to open the **Record** dialog box. In the dialog box, configure options that control how the live stream is recorded. For details, see **Live Stream Recording Options** below.

To stop recording an incoming live stream, click the **Stop Recording** icon for the stream.

To stop the current recording and then start recording the same incoming live stream to a new file, click the **Split Recording** icon for the stream.

III. Send SRT stream

1、Click "Application" - "Stream Targets" - "Add Stream Target".



Choose SRT:

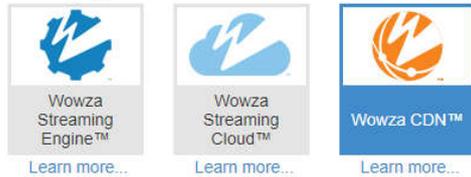
live > Stream Targets

Live Single Server or Origin

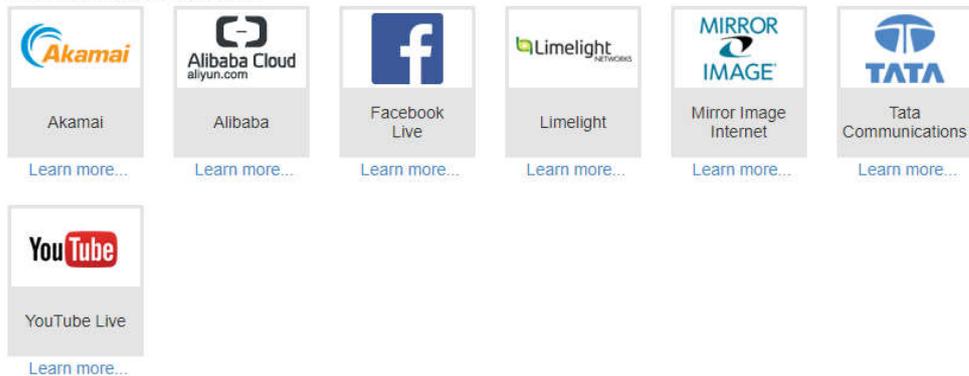
[Return to Stream Targets](#)

Select the destination for your stream target:

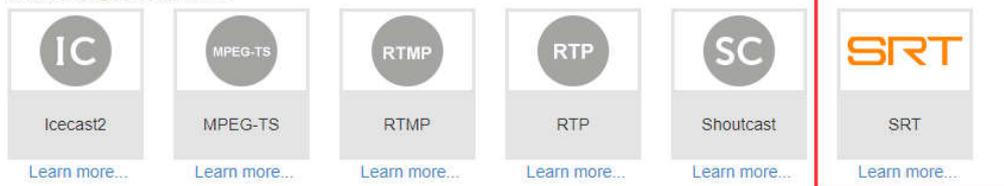
Wowza Target Destinations



Third-Party Target Destinations



Generic Target Destinations



2、 Set the SRT parameters, target address, port and other parameters, and start sending SRT after adding.

live > SRT
Live Single Server or Origin
[← Return to Stream Targets](#)

[Hide Help >](#)

SRT SRT Configuration

* = Required Field

Stream Target Name *

Source Stream Name *

Destination Host *

Destination Port *

Recovery Buffer

Secure SRT
 Use secure SRT

Key Length *

Passphrase *

Note: Please fill the source name that Wowza server needs to send in "Source Stream Name". For example "live2", the source status must be "Active" for normal connection.

live > Incoming Streams
Live Single Server or Origin

[Hide Help >](#)

Active Streams Streams available for recording via this application.

Default Instance (_definst_)

Stream	Status	Actions
→ live2 rtmp://192.168.3.201:47133	Active	

3、Click "Enable Stream Targets" to start the streaming service. If receiving normally, the status will be "Active".

live > Stream Targets

Live Single Server or Origin

Configure delivery of live source streams to stream target destinations for redistribution. Disabling this feature will deactivate all existing stream targets. Hide Help >>

Status: Enabled

+ Add Stream Target

Disable Stream Targets

Refresh

Auto-refresh

Stream Target	Status	Actions
 SRT (srt)	Waiting...	   

4、Kiloview video decoder receiving Settings (SRT receiver). In the handshake mode, please chose Listener, the port configuration should be in consistent with the Wowaz sender, for other settings, please refer to Wowza sender configuration.

Add Source

* Name

URL address RTSP RTMP RTMPS RTP UDP HTTP SRT ?

* Connection Mode

* Listener Port

* Latency(ms) (0~5000)

Encryption

* Passphrase

* Bandwidth(%) (5%~100%)

* Payload Size (0~1456)

Cancel OK Hide advance setting

5、 When the target receives normally, Wowza server status displays as "Active".

Stream Target	Status	Actions
SRT SRT (srt)	 Active	    