

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.

Wowza Streaming Engine 🔹 Home 😛 :	Server D. August and and a server			Alaman 🖶 Bala 🕪 Sga G
	-	Add Stream File		
+ Add Application	Stream File deleted	* = required field		
BELECTED APPLICATION	live > Stream	This will create a new Stream File		First Payers Of Copy Citestart S Deater
Market and American American	Lie Jege lie er often	Enter a name for the new Stream File: "		
Boarran (Jms)		sit		
Contrast and a second	Stream Files	Stream URI *	There is a second second	About Stream Files
money levers	+ Abq Stream File	srt.//192.168.3.233.8546		Shearn hes provide a method to replace (area) compare shearn rankes that are published to a Waxes Streaming English server to
Wome Payer				sources such as NPEG TS encoders and IP canceas. For example
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		Gancei + Add		mycoolevent stream and set the contents to the compare theam name. Players can then use mycoolevent stream in phytiack UP
				er place of the more complex stream name. Bitmam files are stored
				extension
Threader				To add a stream file, cask Add Stream File, in the Add Stream File shalog how do the tolowing
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• Ann				asturian (*), dooble-dut (;), and lide (-) characters
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				address[[port]
				 Ki in presu de causcal un dramen é exposed.
				 Live Sheam Repeater sheam thing //persea p-addre found on three desires a addressi found) or
				scent v[scores-ib-augusta] (boul) (or scent v[scores-
				 BHOUTE active raid stream: http://jscuri.e.ip.address/j
				[port]

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.

+ Add Application SELECTED APPLICATION Ive - Mandong	Live > set Live lange there is drawn for the set of the set fails Property	► Test Players	\$1 Copy	O Restart	# Delete
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	srffmeMode				0



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.

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Darry (Let)	Ry Copy Dimen File	383/02	network that any public a network or repart or uness compensations networks that any published to a Works Streaming Drighe server for yources such as MFED-TS encoders and iP camerae. For example
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rtp			*
rtp rtp-record shoutcast shoutcast-re	ecord		
applehls srt			



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

nary Stream SKI-1	S rushing raid	anieters
Open SRT service	Yes	×
Handshake Mode	CALLER	¥
Address	192.168.3.233	
Port	8546 (Please fill in the value	• of 0-65536)
Transport Delay(ms)	125 (Please fill in the value (
Advanced Settings	Close	T

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)	Active Streams Streams available for recording CReftesh View by Stream View by Group	via this application.		Hide He
Stream Files	Default Instance (_definst_)			-
Wowza Player	Stream	Status	Actions	
Stream Targets	→ srt.stream	Active	●C×	
Source Security	srt://192.168.3.233:8546			

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





III. Send SRT stream

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

🥙 Wowza Streaming Engine 🛛 🖷 Home 🖵	Server Applications -			∆ntrantiti Ø Holp Di Sign Out
+ Add Application	live > Stream Targe	ets		
nor-	Configure delivery of itve source st	treams to stream target destinations for red	stribution. Existing stream targets are not active until this Hide Hel	About Stream Targets
Monthing Scores (Jun) Steam Plan Income Steam	Stature is enabled Status: O Not Enabled Add Sman Target Enable	e Stream Targets		Use this feature to send incoming two source streams to one or more destinuitors that is example the source attents to users. You can send source streams to destinution work an stream stream Cloud ¹⁹⁹ , content detivery networks (CDMs), and even to other (Wocca Bitreaming Engine instances, Steam Engine destinations allow yoo to
Workiza Player	Stream Target	Status	Actiona	scale and add redundancy to your live streaming workflow. For more information, see CP How to use CDNs and services to dottribute live streams.
Source Security Playback Security SMIL Files	There are no stream targets. Cl	lick Add Stream Target to create a new tar	get.	To direct your live source stream to a stream target destination, click Add Stream Target, and then follow the instructions. After you finish adding a stream target. It's displayed alphabetically by destination, protocol, and then stream target name.
nDVR				For each stream target in the list, you can perform the following actions to manage it:
Transcoler ORM LIVE APPLICATIONS • INP VOD APPLICATIONS Vod				 To edit the stream target settings, cick the Edit icon. To make a copy of the stream target, cick the Edit icon. To make a copy of the stream target, cick the Edit icon. To share a copy of the stream target, cick the Edit icon. To turn on a stream target as two stream targets can thave the same name. To turn on a stream target so it can send the source stream to the compared destination, cick the Edit icon. The source stream from the stream target to its destination, cick the Editable con.

Choose SRT:

live > Strea	im Targets				
Live Single Server or Or	igin				
← Return to Stream	Targets				
Select the destinatio	n for your stream targe	t			
Wowza Target Dest	inations				
E.	E				
Wowza Streaming Engine™	Wowza Streaming Cloud™	Wowza CDN™			
Learn more	Learn more	Learn more			
Third-Party Target I	Destinations				
Akamai	C-J Alibaba Cloud	f		MIRROR IMAGE	TATA
Akamai	Alibaba	Facebook Live	Limelight	Mirror Image Internet	Tata Communications
Learn more	Learn more	Learn more	Learn more	Learn more	Learn more
You Tube					
Learn more					
Generic Target Des	tinations				
IC	MPEG-TS	RTMP	RTP	SC	SRT
Icecast2	MPEG-TS	RTMP	RTP	Shoutcast	SRT
Learn more	Learn more	Learn more	Learn more	Learn more	Learn more



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

live > SRT	
Live Sinale Server or Origin	
Return to Stream Targets	
	Hide Help »
SRT Configuration	
* = Required Field	
Stream Target Name *	
SRT	
Source Stream Name *	
live2	
Destination Host *	
192.168.3.138	
Destination Port *	
8894	
Recovery Buffer	
400	
Secure SRT	
✓ Use secure SRT	
Key Length *	
AES-128	×
Passphrase *	
Cancel	Add this target

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 > I		Streams				
Active Str	eams Streams a	available for reco	plication.			Hide Help »
C Refresh	View by Stream	View by Group				
Default Inst Stream	ance (_definst_)			Status	Actions	
→ live2 rtmp://1	92.168.3.201.471	33		Active	٠	



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

live > Stream Targets

Configure delivery of live source existing stream targets.	streams to stream target destinations for redistrit	bution. Disabling this feature will deactivate all	Hide Help »
Status: 🔿 Enabled			
+ Add Stream Target Disa	ible Stream Targets C Refresh Auto-refr	esh	
Stream Target	Status	Actions	
Stream Target	Status	Actions	

4、 <u>Kiloview video decoder</u> 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	SRT]
URL address	RTSP RTMP RTMPS RTP UDP HTTP SRT	0
* Connection Mode	Listener ~	
* Listener Port	8894)
* Latency(ms)	125	(0~5000)
Encryption	none	
* Passphrase		
* Bandwidth(%)	25	(5%~100%)
* Payload Size	1316	(0~1456)
	Cancel OK Hide advance setting	



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

Stream Target	Status	Actions
SIRT	Active	聋惶७ேඞ
SRT (srt)		