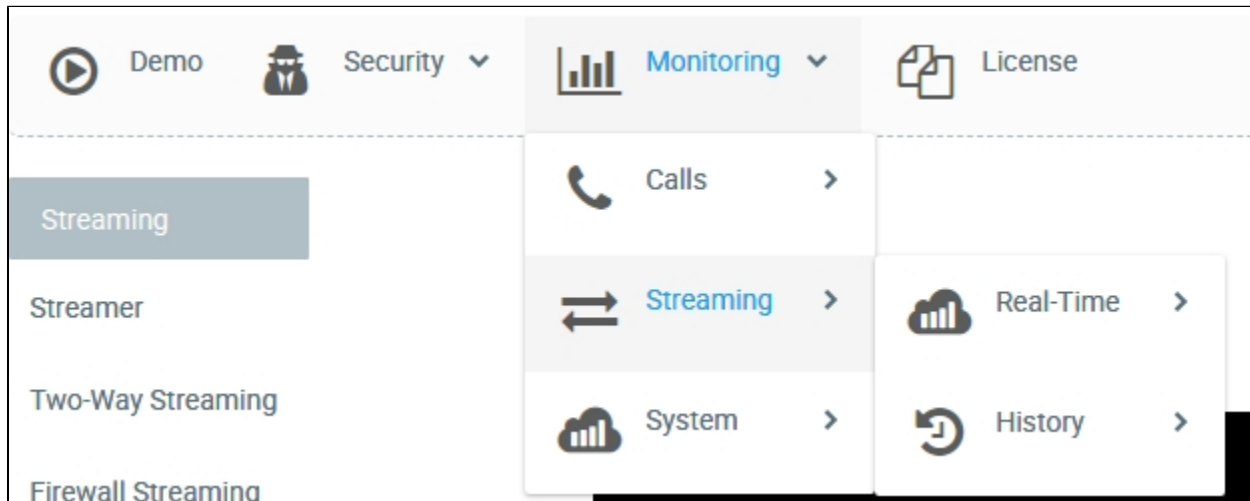


Streams monitoring with web interface

- Current streams
 - Overview
 - Transcoders
 - Details
- Stream history
 - Overview
 - Details

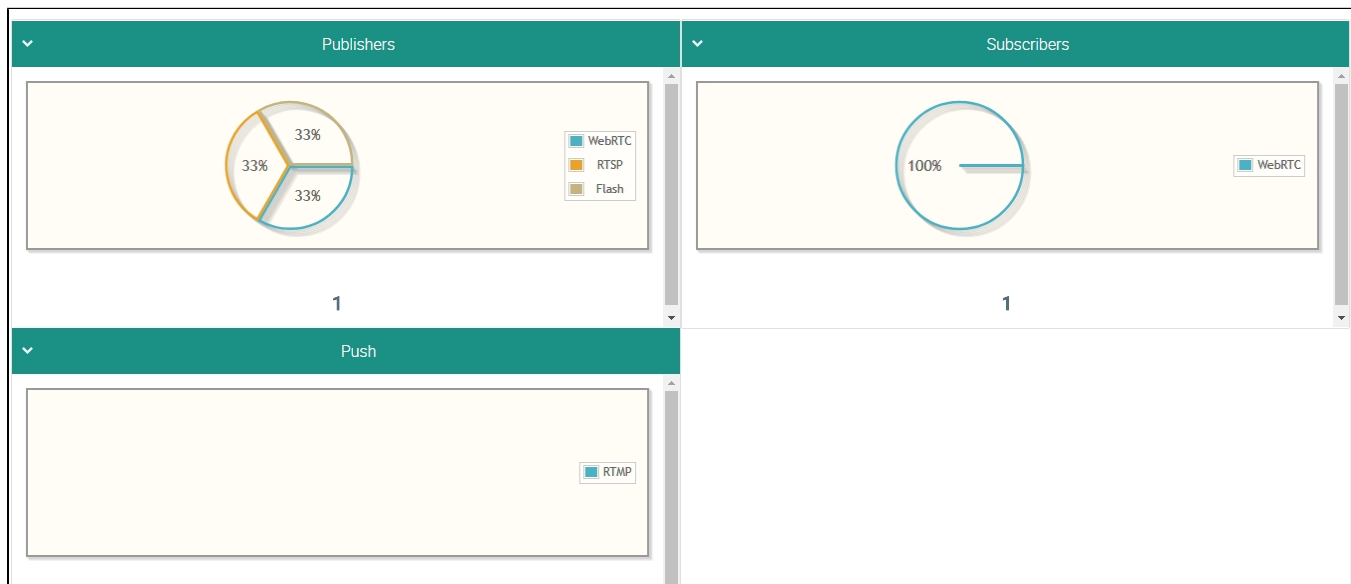
To monitor media streams you should select "Streaming" in the monitoring menu, then select "Real-Time" to view information about current streams or "History" to view history of streams.



Current streams

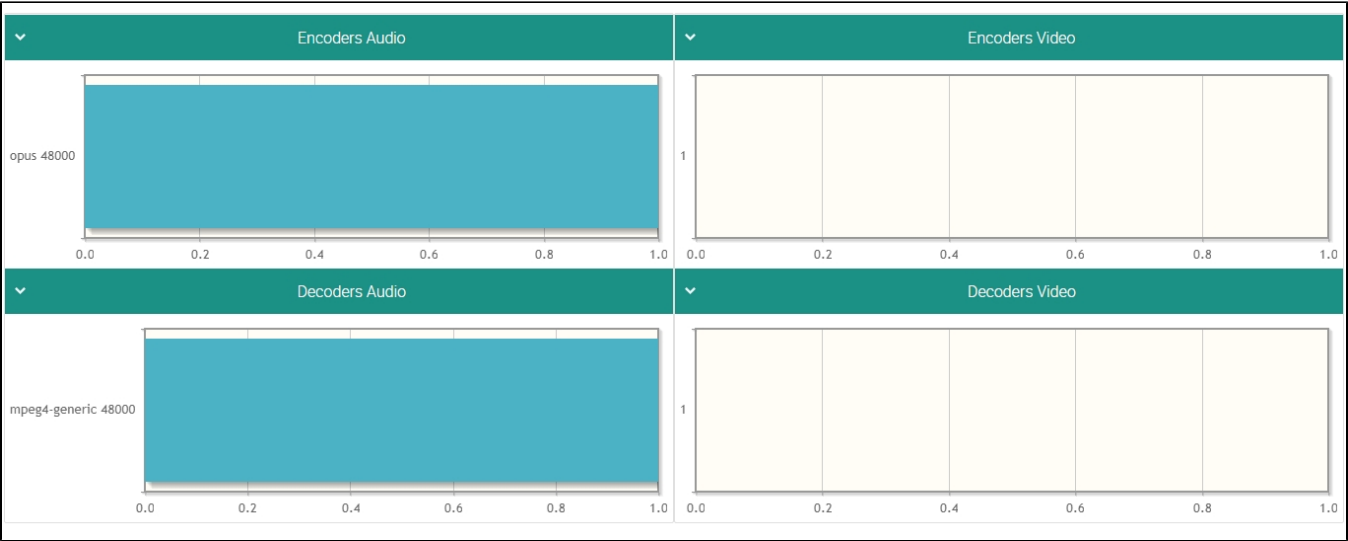
Overview

In the "Overview" section you can find summary of technologies among published streams (Publishers), subscribers (Subscribers) and rebroadcast streams (Push)



Transcoders

In the "Transcoders" section you can find summary of encoders and decoders of audio- and video streams.



Details

The "Details" section displays a list of streams being published or rebroadcast by WCS at this moment

Streams - Real-Time - Details						
	name	tech	audio	video	mediaSessionId	sessionId
	rtmp://planetaonline.cdnvideo.ru/rr/channel_5	Flash			ec138cf0-847f-42fa-a0ef-1d6330c4a6db	rtmp://planetaonline.cdnvideo.ru/rr/channel_5-1496d59e-deed-4162-bea4-b923a278d739
▼	4be5	WebRTC	opus	H264	22a57be0-5754-11e8-a76e-a3e12265b0d5	/5.44.168.45:58094/95.191.131.64:8443
	4be5	WebRTC	opus	H264	24c1cc30-5754-11e8-a76e-a3e12265b0d5	/5.44.168.45:58094/95.191.131.64:8443
▼	rtmp://str81.creacast.com/grandlillevt/low	Flash	mpeg4-generic	H264	18d7b025-5726-43db-8f80-542470835549	rtmp://str81.creacast.com/grandlillevt/low-0b1ae745-bc2b-42cf-81b5-947f1a374835
	rtmp://str81.creacast.com/grandlillevt/low	WebRTC	opus	H264 640x360	39b03a00-5754-11e8-82b8-b7cf398c3775	/5.44.168.45:58106/95.191.131.64:8443

The table shows the following stream parameters:

- Stream name
- Publishing/rebroadcasting technology
- Audio codec
- Video codec
- Media session identifier
- Session identifier

You can view details about a stream by clicking it in the table

rtmp://str81.creacast.com/grandlilletv/low, 18d7b025-5726-43db-8f80-542470835549



Description

Transcoding Groups

Charts

Player

name	rtmp://str81.creacast.com/grandlilletv/low
mediaSession	18d7b025-5726-43db-8f80-542470835549
tech	Flash
audio	mpeg4-generic
video	H264
uptime	168 sec
rtmpUrl	
status	PUBLISHING
sessionId	rtmp://str81.creacast.com/grandlilletv/low-0b1ae745-bc2b-42cf-81b5-947f1a374835
recordName	
appKey	defaultApp

The "Description" tab also shows:

- Current duration of the broadcast
- URL via the server that receives rebroadcasting of this stream via RTMP
- Stream status
- File name of the stream record, if recording is on

On the "Transcoding Groups" tab you can see stream transcoding information:

rtmp://str81.creacast.com/grandlilletv/low, 18d7b025-5726-43db-8f80-542470835549



Description

Transcoding Groups

Charts

Player

Proxy

mpeg4-generic

0

H264

1

Encoding

opus

1

On the "Charts" tab there are graphical representation of changes in stream parameters:

rtmp://str81.creacast.com/grandlilletv/low, 18d7b025-5726-43db-8f80-542470835549



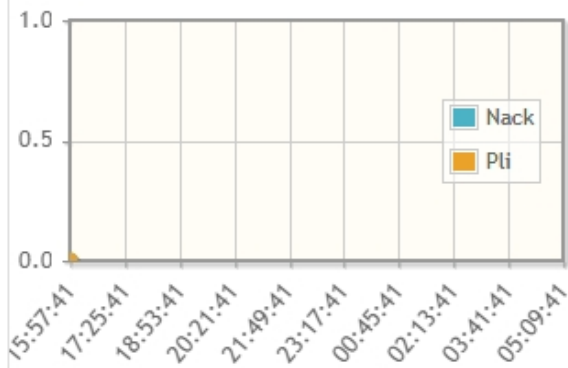
Description

Transcoding Groups

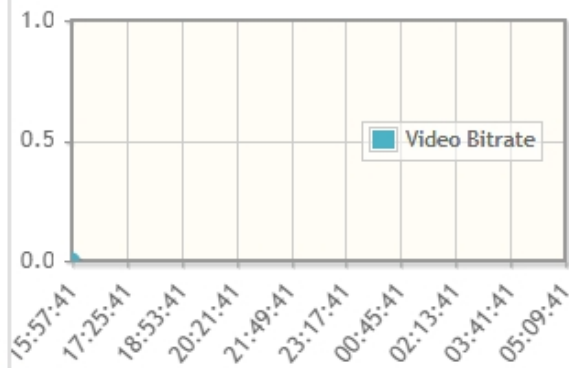
Charts

Player

▼ NACK and PLI



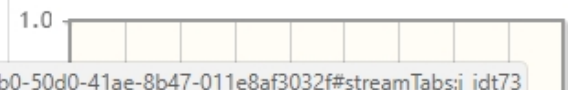
▼ Video Bitrate



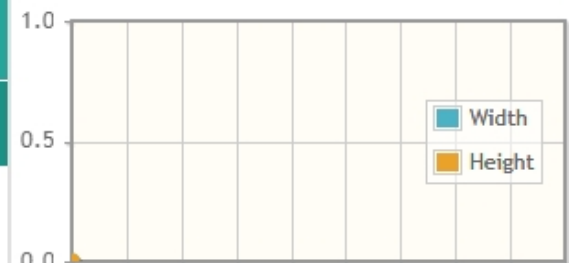
► FPS

► Audio Bitrate

▼ Timecodes



▼ Resolution



37021b0-50d0-41ae-8b47-011e8af3032f#streamTabs:1 idt73

- NACK and PLI - the number of NACK and PLI packets
- Video Bitrate
- FPS - frames per second
- Resolution - resolution of the frame
- Audio Bitrate
- Timecodes

The "Player" tab features the embedded stream player:

rtmp://str81.creacast.com/grandlilletv/low, 18d7b025-5726-43db-8f80-542470835549

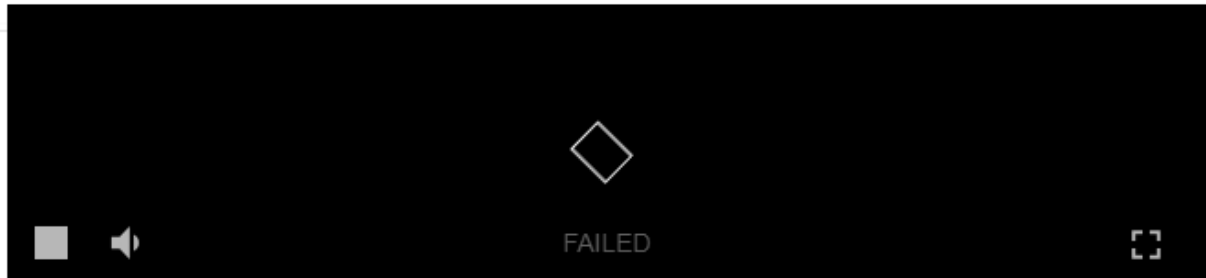


Description

Transcoding Groups

Charts

Player

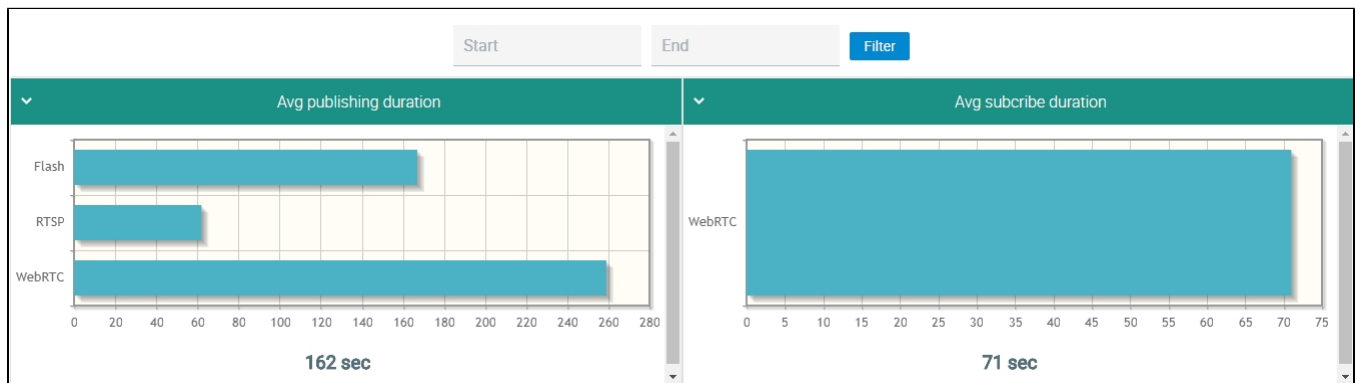


Stream history

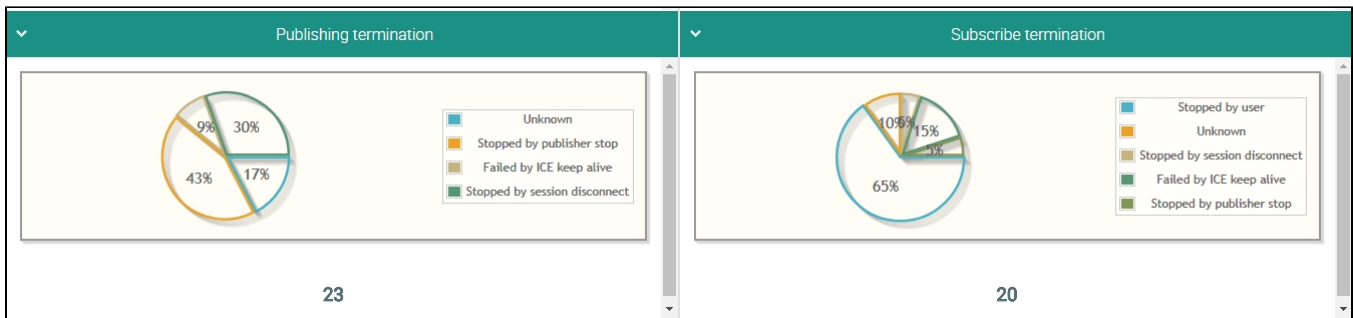
Overview

The "Overview" section offer summary information about:

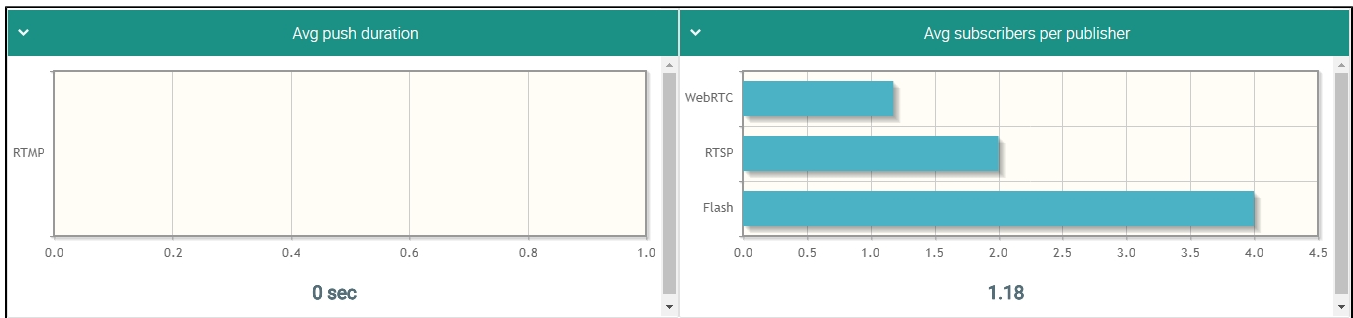
- average stream publishing duration;
- average subscribe duration;



- reasons for publishing termination;
- reasons for subscribe termination;



- average duration of rebroadcast streams (push);
- average subscribers to publishers ratio.



Details

The "Details" menu display the list of streams published/subscribed by WCS

Streams - History - Details

25/04/2018 00:0015/05/2018 00:00FilterReset Filters

(1 of 6) << < 1 2 3 4 5 6 > >> 5 ▾

mediaSessionId ▾	name ▾	tech	type ▾ all publ subsc	start ▾	end ▾	sessionId ▾	parent ▾	status ▾ All	reason ▾	record ▾ all yes no
44d569c0-4884-11e8-aa30-9df3398c7e3d	f806	WebRTC	subscrib	25.04.2012:29	25.04.2012:29	/5.44.168.45:52199/95.191.131.64:8443	414b0a80-4884-11e8-aa30-9df3398c7e3d	STOPPE	Stopped by user	no
414b0a80-4884-11e8-aa30-9df3398c7e3d	f806	WebRTC	publish	25.04.2012:29	25.04.2012:29	/5.44.168.45:52199/95.191.131.64:8443		UNPUBL	Stopped by publishe stop	no
fef2c910-4e7e-11e8-98d5-299131253b9e	9f37	WebRTC	subscrib	03.05.2003:06	03.05.2003:07	/5.44.168.45:52596/95.191.131.64:8443	fb1d08f0-4e7e-11e8-98d5-299131253b9e	STOPPE	Stopped by user	no

The table shows the following stream parameters:

- Media session identifier
- Stream name
- Stream publishing/subscribe technology
- Stream type: published, subscribed
- Beginning of broadcast
- End of broadcast
- Session identifier
- Parent media session identifier
- Status
- Reason for publishing/subscribe termination

- The list of stream history can be filtered:

You can view details about the stream by clicking it in the table

- by the specified period;
- by stream type;
- by status
- by availability of the record

You can view details about the stream by clicking it in the table

rtmp://str81.creacast.com/grandlilletv/low, 3e422a64-68cd-43ed-bd79-aeb16b6c268b

Description	Charts
name	rtmp://str81.creacast.com/grandlilletv/low
mediaSession	3e422a64-68cd-43ed-bd79-aeb16b6c268b
tech	Flash
audio	mpeg4-generic
video	H264
uptime	sec
rtmpUrl	
status	PUBLISHING
sessionId	rtmp://str81.creacast.com/grandlilletv/low-045c8170-5eae-4acd-8cff-ebea14f8b577
recordName	
appKey	defaultApp

The "Description" tab additionally shows these parameters:

- Broadcasting duration
- URL of the server receiving broadcasting of this stream via RTMP
- File name of the stream record, if the stream was recorded

On the "Charts" tab you can see graphical representation of stream parameters:

rtmp://str81.creacast.com/grandlilletv/low, 18d7b025-5726-43db-8f80-542470835549



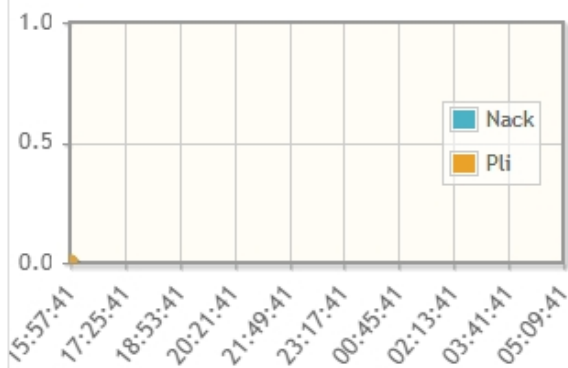
Description

Transcoding Groups

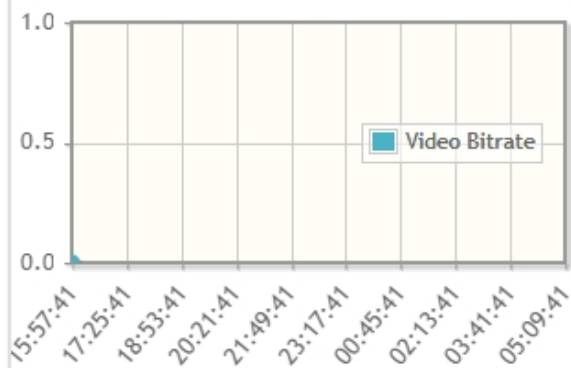
Charts

Player

▼ NACK and PLI



▼ Video Bitrate



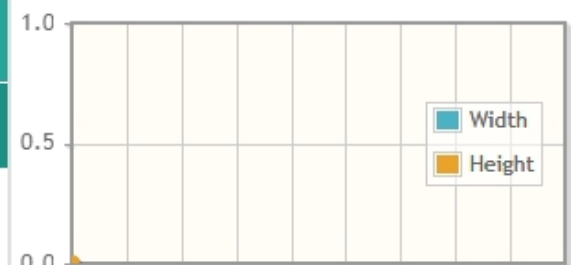
► FPS

► Audio Bitrate

▼ Timecodes



▼ Resolution



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- NACK and PLI - the number of NACK and PLI packets
- Video Bitrate
- FPS - frames per second
- Resolution - resolution of the frame
- Audio Bitrate
- Timecodes