

Android SDK error handling

When stream or call `FAILED` status is received, `getInfo()` method returns a description string of error occurred.

Errors list

Error	Description string
streamStatusInfo	
FAILED_BY_ICE_ERROR	Failed by ICE error
FAILED_BY_ICE_TIMEOUT	Failed by ICE timeout
FAILED_BY_ICE_KEEP_ALIVE	Failed by ICE keep alive
FAILED_BY_DTLS_FINGERPRINT_ERROR	Failed by DTLS fingerprint error
FAILED_BY_DTLS_ERROR	Failed by DTLS error
FAILED_BY_HLS_WRITER_ERROR	Failed by HLS writer error
FAILED_BY_RTMP_WRITER_ERROR	Failed by RTMP writer error
FAILED_BY_RTP_ACTIVITY	Failed by RTP activity
STOPPED_BY_SESSION_DISCONNECT	Stopped by session disconnect
STOPPED_BY_REST_TERMINATE	Stopped by <code>/terminate</code> REST API query
STOPPED_BY_PUBLISHER_STOP	Stopped by publisher stop
STOPPED_BY_USER	Stopped by user
FAILED_BY_ERROR	Failed by error
FAILED_TO_ADD_STREAM_TO_PROXY	Failed to add stream to proxy
DISTRIBUTOR_STOPPED	Distributor stopped
PUBLISH_STREAM_IS_NOT_READY	Publish stream is not ready
STREAM_NOT_FOUND	Stream not found
STREAM_NAME_ALREADY_IN_USE	Stream name is already in use

Error	Description string
MEDIASESSION_ID_NULL	MediaSessionId is null
MEDIASESSION_ID_ALREADY_IN_USE	MediaSessionId is already in use
SESSION_NOT_READY	Session not ready
SESSION_DOES_NOT_EXIST	Session does not exist
RTSP_HAS_WRONG_FORMAT	Rtsp has wrong format
FILE_HAS_WRONG_FORMAT	File has wrong format
FAILED_TO_CONNECT_TO_RTSP_STREAM	Failed to connect to rtsp stream
RTSP_STREAM_NOT_FOUND	Rtsp stream not found
RTSPAGENT_SHUTDOWN	RtspAgent shutdown
STREAM_FAILED	Stream failed
NO_COMMON_CODECS	No common codecs
BAD_URI	Bad URI
GOT_EXCEPTION_WHILE_STREAMING_FILE	Got exception while streaming file
REQUESTED_STREAM_SHUTDOWN	Requested stream shutdown
FAILED_TO_READ_FILE	Failed to read file
FILE_NOT_FOUND	File not found
FAILED_TO_CONNECT_TO_ORIGIN_STREAM	Failed to connect to origin stream
CDN_STREAM_NOT_FOUND	CDN stream not found
FAILED_TO_GET_AGENT_STORAGE	Failed to get agent storage
AGENT_SERVICING_ORIGIN_STREAM_IS_SHUTTING_DOWN	Agent servicing origin stream is shutting down
TERMINATED_BY_KEEP_ALIVE	Terminated by keep-alive
TRANSCODING_REQUIRED_BUT_DISABLED	Transcoding is required, but disabled
NO_AVAILABLE_TRANSCODERS	No available transcoder nodes in CDN
callStatusInfo	
FAILED_BY_SESSION_CREATION	Failed by session creation

Error	Description string
FAILED_BY_ICE_ERROR	Failed by ICE error
FAILED_BY_RTP_ACTIVITY	Failed by RTP activity
FAILED_BY_RTMP_WRITER_ERROR	Failed by RTMP writer error
FAILED_BY_DTLS_FINGERPRINT_ERROR	Failed by DTLS fingerprint error
FAILED_BY_DTLS_ERROR	Failed by DTLS error
FAILED_BY_ERROR	Failed by error
FAILED_BY_REQUEST_TIMEOUT	Failed by request timeout
TRANSCODING_REQUIRED_BUT_DISABLED	Transcoding is required, but disabled

Error handling code example

As an example, let's take the [StreamingMinActivity.java](#) class code with hash 17fa60baa5a21bc7398338c530bd7314e0cbfca3, that is available to download in build [1.0.1.49](#)

1. Stream playback error handling

`Stream.getInfo()` [code](#)

```

playStream.on(new StreamStatusEvent() {
    @Override
    public void onStreamStatus(final Stream stream, final StreamStatus
streamStatus) {
        runOnUiThread(new Runnable() {
            @Override
            public void run() {
                ...
                if (StreamStatus.FAILED.equals(streamStatus)){
                    switch (stream.getInfo()){
                        case StreamStatusInfo.SESSION_DOES_NOT_EXIST:
                            mPlayStatus.setText(streamStatus+": Actual
session does not exist");
                            break;
                        case StreamStatusInfo.STOPPED_BY_PUBLISHER_STOP:
                            mPlayStatus.setText(streamStatus+": Related
publisher stopped its stream or lost connection");
                            break;
                        case StreamStatusInfo.SESSION_NOT_READY:
                            mPlayStatus.setText(streamStatus+": Session is
not initialized or terminated on play ordinary stream");
                            break;
                        case StreamStatusInfo.RTSP_STREAM_NOT_FOUND:

```

```

        mPlayStatus.setText(streamStatus+": Rtsp stream
not found where agent received '404-Not Found'");
        break;
        case
StreamStatusInfo.FAILED_TO_CONNECT_TO_RTSP_STREAM:
        mPlayStatus.setText(streamStatus+": Failed to
connect to rtsp stream");
        break;
        case StreamStatusInfo.FILE_NOT_FOUND:
        mPlayStatus.setText(streamStatus+": File does
not exist, check filename");
        break;
        case StreamStatusInfo.FILE_HAS_WRONG_FORMAT:
        mPlayStatus.setText(streamStatus+": File has
wrong format on play vod, this format is not supported");
        break;
        default:{
        mPlayStatus.setText(stream.getInfo());
        }
    }
} else {
    mPlayStatus.setText(streamStatus.toString());
}
});
}
});

```

2. Stream publishing error handling

`Stream.getInfo()` code

```

if (StreamStatus.FAILED.equals(streamStatus)){
    switch (stream.getInfo()){
        case StreamStatusInfo.STREAM_NAME_ALREADY_IN_USE:
            mPublishStatus.setText(streamStatus+": Server already has a
publish stream with the same name, try using different one");
            break;
        default:{
            mPlayStatus.setText(stream.getInfo());
        }
    }
} else {
    mPublishStatus.setText(streamStatus.toString());
}
}

```