

# Обработка ошибок WebSDK

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При получении статуса сессии, потока или звонка 'FAILED', метод `Stream.getInfo()` возвращает текстовое описание возникшей ошибки.

## Список ошибок

Ошибка	Текстовое описание
<b>streamStatusInfo</b>	
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 rest /terminate
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
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
<b>callStatusInfo</b>	
FAILED_BY_SESSION_CREATION	Failed by session creation
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
<b>errorInfo</b>	
NONE_OF_MEDIAPROVIDERS_AVAILABLE	None of MediaProviders available
NONE_OF_PREFERRED_MEDIAPROVIDERS_AVAILABLE	None of preferred MediaProviders available
FLASHPHONER_API_NOT_INITIALIZED	Flashphoner API is not initialized
OPTIONS_URLSERVER_MUST_BE_PROVIDED	options.urlServer must be provided
INVALID_SESSION_STATE	Invalid session state
OPTIONS_MUST_BE_PROVIDED	options must be provided
INVALID_CALL_STATE	Invalid call state
EVENT_CANT_BE_NULL	Event can't be null
CALLBACK_NEEDS_TO_BE_A_VALID_FUNCTION	Callback needs to be a valid function
INVALID_SESSION_STATE	Invalid session state
OPTIONS_NAME_MUST_BE_PROVIDED	options.name must be provided
CAN_NOT_SWITCH_CAM	Number of cams is less than 2 or already used custom stream
CAN_NOT_SWITCH_MIC	Number of mics is less than 2 or already used custom stream
LOCAL_ERROR	Local error raised in browser

## Перехват локальных ошибок

При перехвате ошибки, возникшей в локальном браузере, метод `Stream.getInfo()` возвращает значение `Flashphoner.constants.ERROR_INFO.LOCAL_ERROR`. При этом метод `Stream.getErrorInfo()` возвращает описание возникшей ошибки на основе перехваченного исключения, например:

- Requested device not found - отключены все микрофоны или камеры
- Could not start video source - камера захвачена другим приложением (диагностика в Chromium-браузере)
- Failed to allocate videosource - камера захвачена другим приложением (диагностика в Firefox)
- Permission denied - не предоставлен доступ к камере и/или микрофону
- Invalid constraint - выбрано разрешение, которое не поддерживается камерой в Safari

- This provider doesn't support getMediaAccess - используется WSPayer, либо страница публикации открыта через небезопасное соединение (HTTP)

## Пример кода обработки ошибок

В качестве примера рассмотрим код Two Way Streaming версии с хэшем 501f72f, которая доступна для скачивания в сборке [0.5.28.2753.143](#)

[code](#)

```
function setStatus(selector, status, stream) {
    var statusField = $(selector);
    statusField.text(status).removeClass();
    if (status == "PLAYING" || status == "ESTABLISHED" || status == "PUBLISHING") {
        ...
    } else if (status == "FAILED") {
        if (stream) {
            if (stream.published()) {
                switch(stream.getInfo()){
                    case STREAM_STATUS_INFO.STREAM_NAME_ALREADY_IN_USE:
                        $("#publishInfo").text("Server already has a publish stream with the same name, try
using different one").attr("class", "text-muted");
                        break;
                    case ERROR_INFO.LOCAL_ERROR:
                        $("#publishInfo").text("Browser error detected: " + stream.getErrorInfo()).attr
("class", "text-muted");
                        break;
                    default:
                        $("#publishInfo").text("Other: "+stream.getInfo()).attr("class", "text-muted");
                        break;
                }
            } else {
                switch(stream.getInfo()){
                    case STREAM_STATUS_INFO.SESSION_DOES_NOT_EXIST:
                        $("#playInfo").text("Actual session does not exist").attr("class", "text-muted");
                        break;
                    case STREAM_STATUS_INFO.STOPPED_BY_PUBLISHER_STOP:
                        $("#playInfo").text("Related publisher stopped its stream or lost connection").attr
("class", "text-muted");
                        break;
                    case STREAM_STATUS_INFO.SESSION_NOT_READY:
                        $("#playInfo").text("Session is not initialized or terminated on play ordinary stream").
attr("class", "text-muted");
                        break;
                    case STREAM_STATUS_INFO.RTSP_STREAM_NOT_FOUND:
                        $("#playInfo").text("Rtsp stream not found where agent received '404-Not Found'").attr
("class", "text-muted");
                        break;
                    case STREAM_STATUS_INFO.FAILED_TO_CONNECT_TO_RTSP_STREAM:
                        $("#playInfo").text("Failed to connect to rtsp stream").attr("class", "text-muted");
                        break;
                    case STREAM_STATUS_INFO.FILE_NOT_FOUND:
                        $("#playInfo").text("File does not exist, check filename").attr("class", "text-muted");
                        break;
                    case STREAM_STATUS_INFO.FILE_HAS_WRONG_FORMAT:
                        $("#playInfo").text("File has wrong format on play vod, this format is not supported").
attr("class", "text-muted");
                        break;
                    default:
                        $("#playInfo").text("Other: "+stream.getInfo()).attr("class", "text-muted");
                        break;
                }
            }
        }
        statusField.attr("class", "text-danger");
    }
}
```