

Web client JSAPI

Overview

Web client JSAPI lets you manage some of the in-meeting functions from web. The functions that are exposed include: init meeting config, join meeting, show/hide invite function, show/hide meeting header, get attendees list, call out, invite by phone, mute, unmute, mute all, unmute all, rename, expel, record, lock meeting, leave meeting, end meeting.

Loading Zoommtg.js

```
<script src="https://d24cgw3uvb9a9h.cloudfront.net/static/90077/js/api/zoommtg.js"></script>
```

Browser support

The zoommtg.js is currently support in: Internet Explorer 10+, Google Chrome, Safari, and Mozilla Firefox with their latest version

JavaScript API Methods

The following methods are available in the library, and all interfaces are called by the Zoommtg object. The argument is an object. In addition to the parameters that each interface needs to pass, there are the following general parameters:

Success: The callback function executed when the interface call succeeds

Error: The callback function executed when interface call fails

Success response sample:

Object {method: "showMeetingHeader", status: true, errorCode: 0, errorMessage: null, result: null} // status is true

Error response sample:

Object {method: "rename", status: false, errorCode: 3003, errorMessage: null, result: null} // status is false

Error codes

SUCCESS: 0,

FAIL: 1,

ERROR_NOT_HOST: 3003, // not meeting host

WRONG_MEETING_PASSWORD: 3004, //wrong meeting password

MEETING_NOT_START: 3008 //meeting not start

● Init Zoom Meeting Config

Parameters	Must Have?	Default	Description
Debug	N	False	Turn on debug mode can print log in browser console log
leaveUrl	Y		Post message page url after leave meeting, like "http://www.zoom.us"
showMeetingHeader	N	true	Show or hide the meeting header, include

			meeting number and topic
disableInvite	N	False	Enable or disable invite function
disableCallOut	N	False	Enable or disable call out function
disableRecord	N	False	Enable or disable record function
disableJoinAudio	N	False	Enable or disable join audio function

Response:

Object {debug: true, leaveUrl: "http://www.zoom.us"}

Sample:

```
Zoommtg.init({
    debug: false,
    leave url: "",
    success: function(res){}
    error: function(res){}
})
```

- Generate signature

Parameters	Must Have?	Default	Description
meetingNumber	Y		Zoom meeting number
apiKey	Y		Account developer REST APIs credential
apiSecret	Y	"	Account developer REST APIs credential
role	Y		Meeting role, only allow 0 or 1 //0 is attendee, 1 is host.

Sample:

```
Var signature = ZoomMtg. generateSignature ({
    meetingNumber: 123456789,
    apiKey: "",
    apiSecret: "",
    role: 0
});
```

This method will return the signature.

- Join meeting

Parameters	Must Have?	Default	Description
meetingNumber	Y		Zoom meeting number
userName	Y		Your name in meeting
passWord	N	"	Meeting password, if no password, set "
apiKey	Y		REST APIS Credential API key
signature	Y		Security signature verification Please see the appendix 1

Sample:

```
ZoomMtg.join({
    meetingNumber: 123456789,
```

```

        userName: 'JSAPI-user',
        passWord: "",
        signature: "",
        apiKey: "",
    });

```

- Show/hide invite function

Parameters	Must Have?	Default	Description
Show	Y		If hide, the invite function will not be able to use

Response:
Object {method: "showInviteFunction", status: true, errorCode: 0, errorMessage: null, result: null}

Sample:
ZoomMtg.showInviteFunction({
 Show: false
})

- Show/hide call out function

Parameters	Must Have?	Default	Description
Show	Y		If hide, the call out function will not be able to use

Sample:
ZoomMtg.showCalloutFunction ({
 Show: false
})

- Show/hide meeting header

Parameters	Must Have?	Default	Description
Show	Y		Show or hide the meeting header, include meeting number and topic.

Response:
Object {method: "showMeetingHeader", status: true, errorCode: 0, errorMessage: null, result: null}

Sample:
ZoomMtg.showMeetingHeader ({
 Show: false
})

- Show/hide record function

Parameters	Must Have?	Default	Description
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Show	Y	If hide, the record function will not be able to use
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Sample:

```
ZoomMtg. showRecordFunction ({
    Show: false
})
```

- Show/hide call out function

Parameters	Must Have?	Default	Description
Show	Y		If hide, the call out function will not be able to use

Sample:

```
ZoomMtg. showCalloutFunction ({
    Show: false
})
```

- Show/hide join audio function

Parameters	Must Have?	Default	Description
Show	Y		If hide, the join audio function will not be able to use

Sample:

```
ZoomMtg. showJoinAudioFunction ({
    Show: false
})
```

- Get current attendees list

Without required parameters

Response:

```
Object {method: "getAttendeeslist", status: true, errorCode: 0, errorMessage: null, result:
Object}
```

Sample:

```
ZoomMtg. getAttendeeslist ({})
```

- Call out

The method will invite yourself join meeting by phone

Parameters	Must Have?	Default	Description
phoneNumber	Y		Phone number

Response:

```
Object {phoneNumber: "+8618625244063", success: function, error: function}
```

Sample

```
ZoomMtg.callOut({
    phoneNumber:' +1234567'
});
```

- Invite user by phone

Parameters	Must Have?	Default	Description
phoneNumber	Y		Phone number
userName	Y		User name

Response:

Object {phoneNumber: "", userName: "eason", success: function, error: function}

Sample:

```
ZoomMtg. inviteByPhone ({
    phoneNumber: '+1234567',
    userName: 'eason'
});
```

- Mute/unmute

Parameters	Must Have?	Default	Description
userId	Y		User id
mute	Y		Mute:true, mute Mute:false, unmute

Response:

Object {method: "mute", status: true, errorCode: 0, errorMessage: null, result: null}

Sample:

```
ZoomMtg. mute ({
    phoneNumber: '+1234567',
    userName: 'eason'
});
```

- Mute/unmute all

Only host has permission of this method

Parameters	Must Have?	Default	Description
muteAll	Y		Muteall:true, mute all Muteall:false, unmute all

Response:

Object {method: "muteAll", status: true, errorCode: 0, errorMessage: null, result: null}

Sample:

```
ZoomMtg. mute ({
    phoneNumber: '+1234567',
    userName: 'eason'
});
```

- Rename

Only host has permission of this method

Parameters	Must Have?	Default	Description
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userId	Y	User id
oldName	Y	Old user name
newName	Y	New user name

Response:

Object {method: "rename", status: true, errorCode: 0, errorMessage: null, result: null}

Sample:

```
ZoomMtg.rename({
  userId: 16797696,
  oldName: 'eason',
  newName: 'client',
});
```

- Expel user

Only host has permission of this method

Parameters	Must Have?	Default	Description
userId	Y		User id

Response:

Object {method: "expel", status: true, errorCode: 0, errorMessage: null, result: null}

Sample:

```
ZoomMtg.rename({
  userId: 16797696
});
```

- Record meeting

Only host has permission of this method

Parameters	Must Have?	Default	Description
record	Y		Record:true, start recording Record:false, stop recording

Response:

Object {method: "record", status: true, errorCode: 0, errorMessage: null, result: null}

```
ZoomMtg.record({
  record: true
});
```

- Lock meeting

Only host has permission of this method

Parameters	Must Have?	Default	Description
lockMeeting	Y		lockMeeting :true, lock meeting

lockMeeting :false, unlock meeting

Response:

Object {method: "lockMeeting", status: true, errorCode: 0, errorMessage: null, result: null}

```
ZoomMtg. lockMeeting ({  
    lockMeeting: true  
});
```

- Leave meeting

Without required parameters

Response:

Object {method: "leaveMeeting", status: true, errorCode: 0, errorMessage: null, result: null}

```
ZoomMtg. leaveMeeting({});
```

- End meeting

Only host has permission of this method

Response:

Object {method: "endMeeting", status: true, errorCode: 0, errorMessage: null, result: null}

```
ZoomMtg. endmeeting({});
```

Appendix 1 Generate signature

Java code sample:

```
/*  
 * signature = encodeBase64URLSafeString(api key + "." + meetingNumber + "." + ts + "." +  
role + "." + encodeBase64String(HmacSha256(data, key)))  
 * data = apiKey + meetingNumber + ts + role  
 * key = apiSecret *  
 * */  
public static String generateJSSDKSignature(){  
    String signature = "";  
    String apiKey = "szvYFokjT9m5vyVI2MkEuA";  
    String apiSecret = "mi7z13nmIexnwdbXPYhxbgf22uEEuAUIERYh";  
    Long meetingNumber = 988405496L;  
    Long ts = System.currentTimeMillis();  
    int role = 1;  
  
    byte[] hash;  
    byte[] data = new byte[0];  
    try {  
        data = Base64.encodeBase64((apiKey + meetingNumber + ts +
```

```

role).getBytes("UTF-8"));
        hash = Crypto.hmacSha256(data, apiSecret.getBytes("UTF-8"));
        String s = apiKey + "." + meetingNumber + "." + ts + "." + role + "." +
Base64.encodeBase64String(hash);
        signature = Base64.encodeBase64URLSafeString(s.getBytes("UTF-8"));
        System.out.println("signature>>>" + signature);
    } catch (UnsupportedEncodingException e) {
        logger.error("[generateJSSDKSignature]Failed to encode base 64");
        return "";
    }
    return signature;
}

```

Appendix 2 Application example

```

<html>
<head>
    <title>zoom web client</title>
    <link type="text/css" rel="stylesheet" href="/css/bootstrap.css"/>
    <link type="text/css" rel="stylesheet" href="/css/react-select.css"/>
</head>
<body>
    <div class="main">
        <div id='root'>
            </div>
        </div>

        <script src="/lib/react.min.js"></script>
        <script src="/lib/react-dom.min.js"></script>
        <script src="/lib/redux.min.js"></script>
        <script src="/lib/redux-thunk.min.js"></script>
        <script src="/lib/jquery.min.js"></script>
        <script src="/lib/jquery.i18n.js"></script>
        <script src="https://d24cgw3uvb9a9h.cloudfront.net/static/90077/js/api/zoommtg.js"></script>
        <script src="/js/customer.js"></script>
    </body>
</html>

```

Comments:

The red color css and js files are dependent resource, and Need to provide their own.