**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](https://d24cgw3uvb9a9h.cloudfront.net/static/90077/js/api/zoommtg.js)>

**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** |
| Show | Y |  | If hide, the record function will not be able to use |

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/umute 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** |
| 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 = "szvYFokjT9m5vyVl2MkEuA";  String apiSecret = "mi7z13nmIexnwdbXPYhxbgf22uEEuAUlERYh";  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.