

Getting Started with Vidyo.io

Get a jumpstart on developing with Vidyo.io

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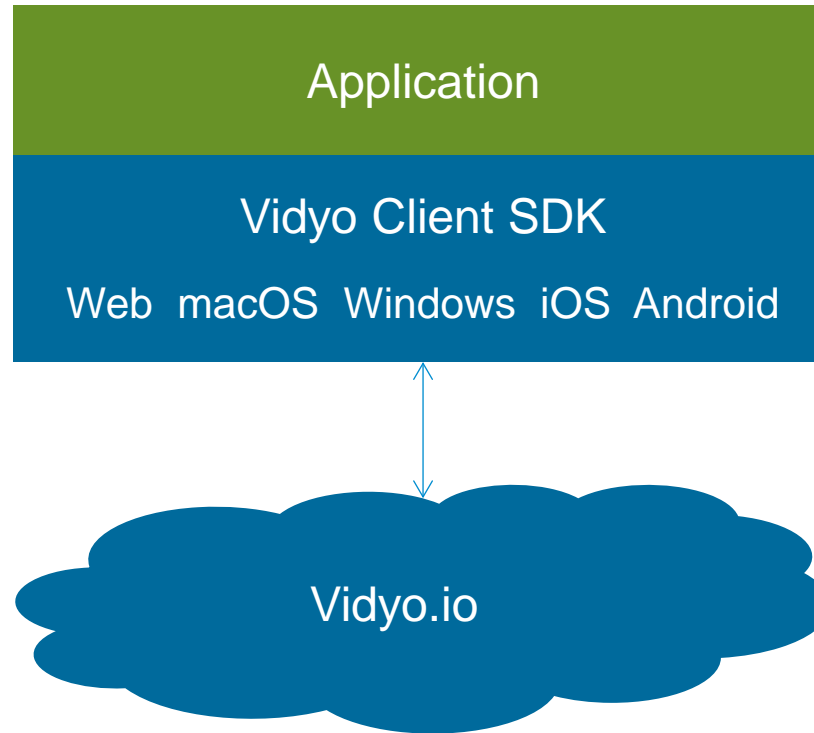
Vidyo®

What is Vidyo.io?



Vidyo.io is a video API Communication Platform as a Service (CPaaS) that allows developers to embed highly reliable multiparty video chat in any application

Vidyo.io architecture



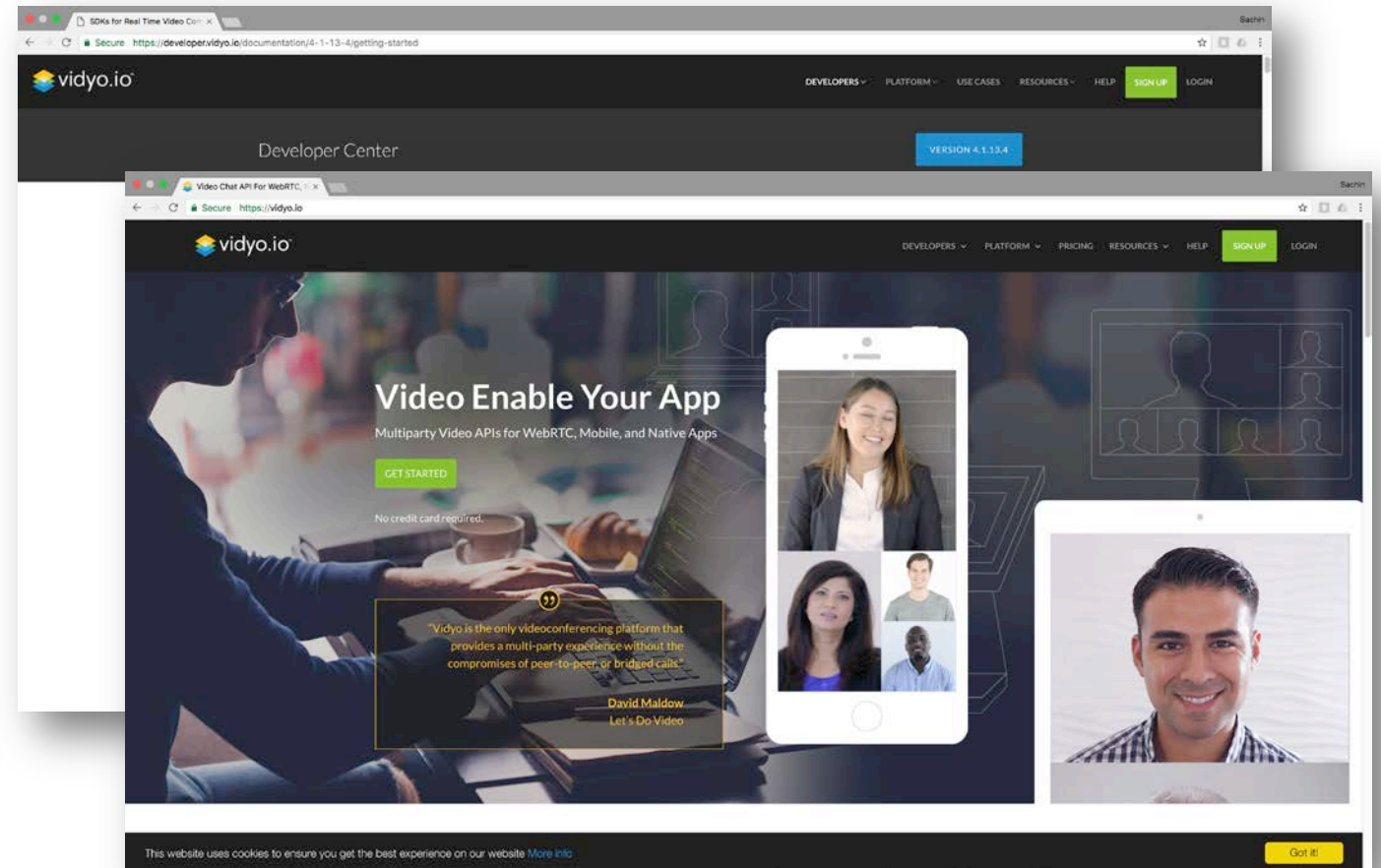
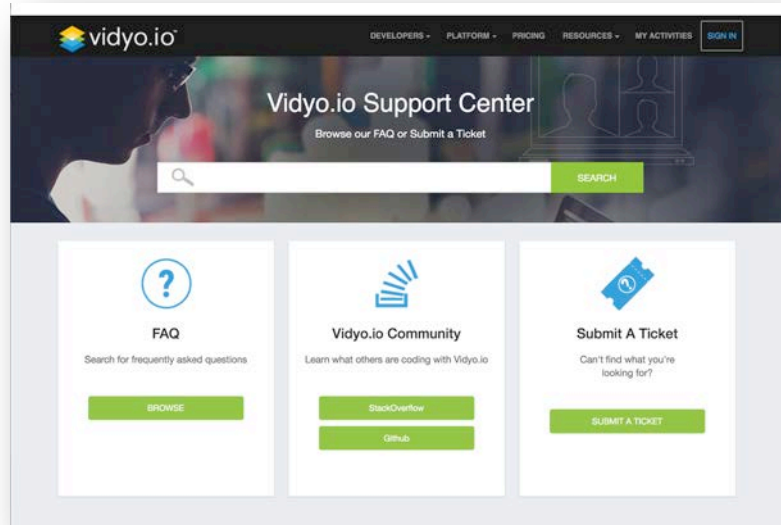
Supported Platforms

	Web Browser	Windows	macOS	iOS	Android
Version	Quick Start Guide	7+	10.11+	9+	4.4+
Language	JavaScript	C	ObjectiveC	ObjectiveC	Java
IDE	JavaScript editor	Visual Studio 2013	Xcode	Xcode	Android Studio

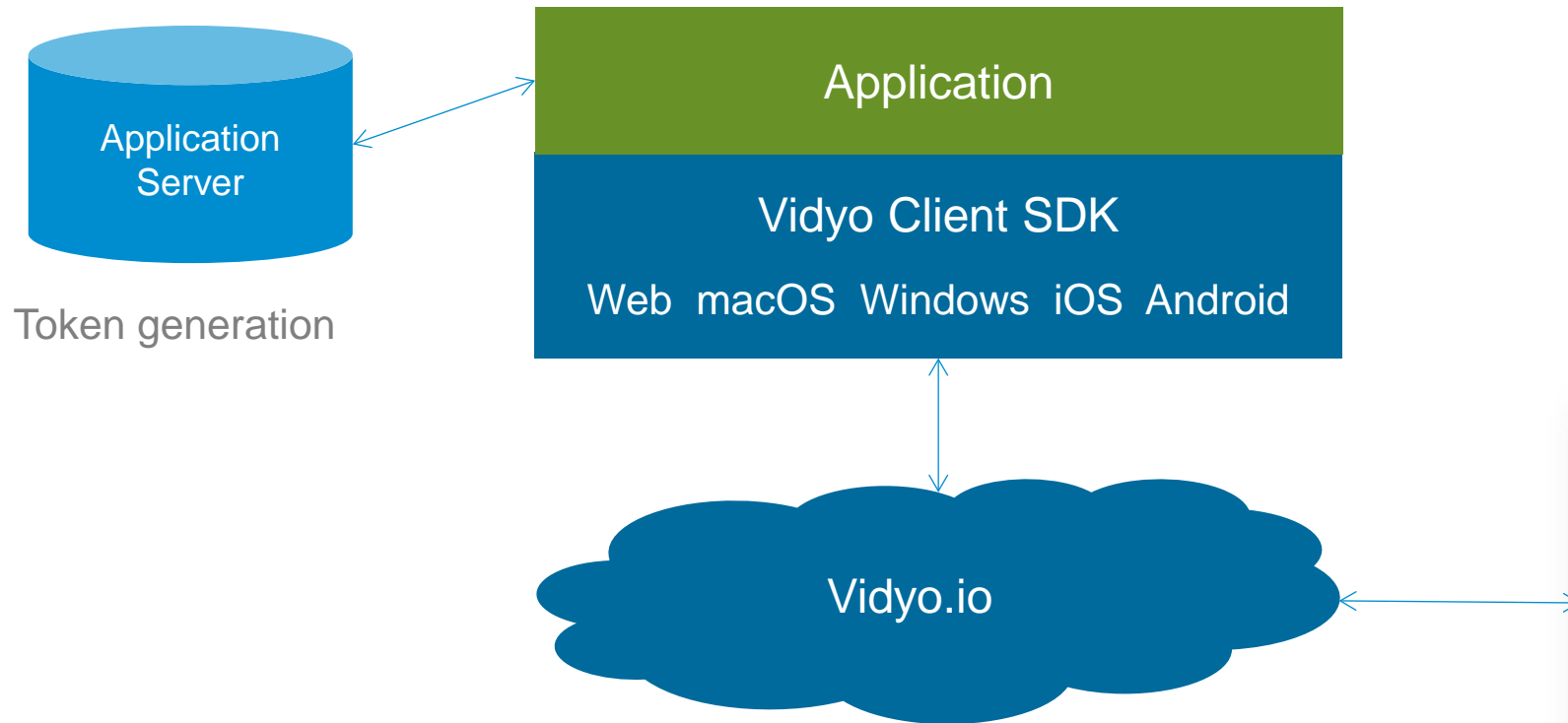
Get the SDK & quick start guides at - <https://developer.vidyo.io>

Developer Tools: Vidyo.io Developer Portal

- [Free online signup](#)
- [Online documentation](#)
- [Sample applications](#)
- [Usage dashboard](#)
- [Support Portal](#)

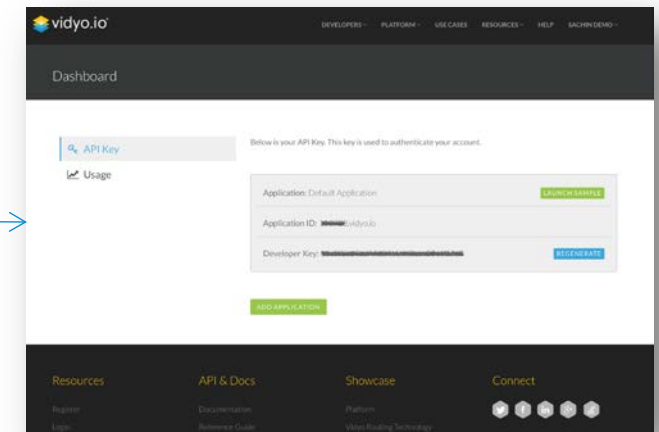


All together



Vidyo.io developer portal

- Self service subscription
- Docs and sample apps
- Developer support center
- User dashboard



Vidyo.io Key Features

- Cross Platform
 - macOS / Windows / iOS / Android / Browser
- Cross Language
 - C / Objective-C / Java / JavaScript
- Device Control
 - Mute / Select Default / Cycle
- Layouts
 - Composite: provide single ViewID
 - Custom: provide ViewID per source
- Audio Quality
 - Opus
 - Echo Cancellation
- Ad-hoc rooms
- Resource Management
 - Register for device event listeners
 - Camera, microphone, speaker
 - Select particular devices
- In-room Group Chat
 - Register for chat event listener
 - Send group chat message
- In-room Presence
 - Register for participant activity
 - Joined, left, loudest speaker change
- Window Share
 - Register for available window shares
 - Select a window to share

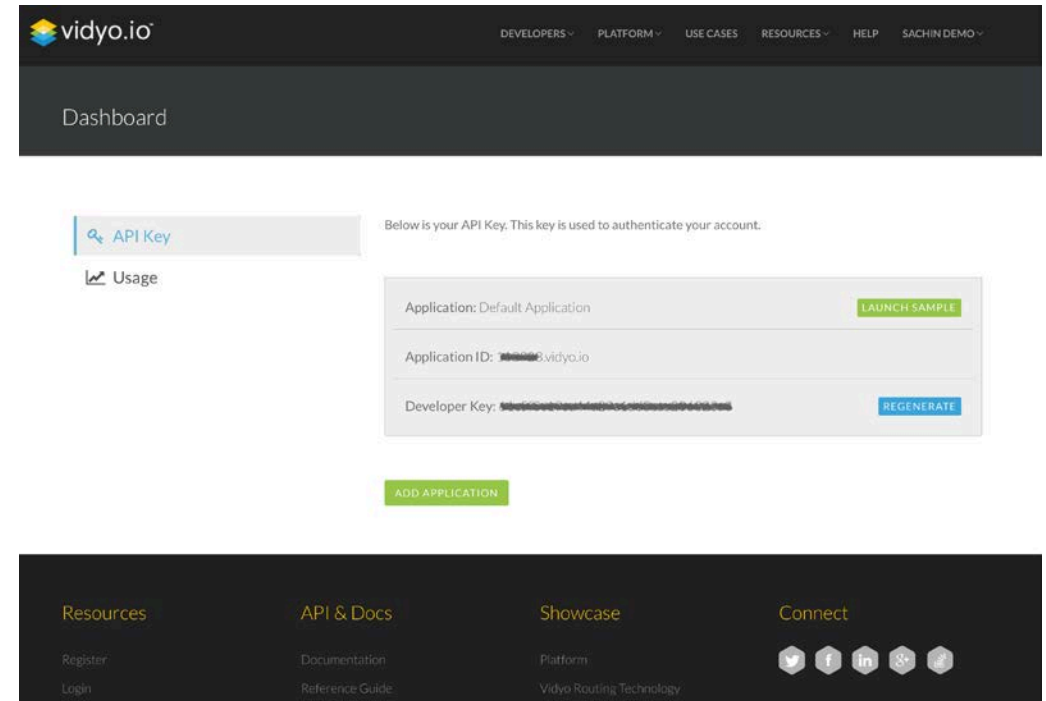
Steps to get started

Step 1: Sign up [HERE](#)

Step 2: Visit your dashboard and keep Application ID and Developer Key handy

Step 3: Download SDK of your choice [HERE](#)

Step 4: Check our guide to familiarize yourself with basic concepts [HERE](#)



Steps to get started

Step 5: Generate Token



- User Name needs to be unique
- Token generators scripts are provided: [link](#)
- Each participant must use valid token to connect to the conference
- Token must be generated on the Application Server

Steps to get started

Step 6: Run sample app to connect to the conference



Step 7: Start modifying app to meet your needs

VidyoConnector API: Get Started With 2 Calls

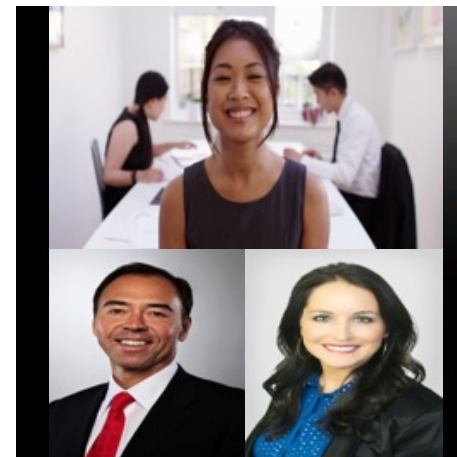
Self Preview

VidyoConnectorConstruct



Join Room

VidyoConnectorConnect



JavaScript Example

/ Assume that your DOM has a div with id="conferenceDiv" where you want the preview and the live conference rendered
The VidyoClient object – “VC” is initialized when you successfully load VidyoClient.js */*

```
var vidyoConnector = VC.CreateVidyoConnector(  
{  
  viewID: "conferenceDiv", // Div ID where the composited video will be rendered  
  viewStyle: "VIDYO_CONNECTORVIEWSTYLE_Default",  
  remoteParticipants: 16, // Maximum number of participants to render  
  logFileFilter: "warning",  
  logFileName: "VidyoConnector.log",  
  userData: ""  
});  
  
vidyoConnector.Connect(  
{  
  host: "prod.vidyo.io",  
  token: "AccessTokenProvidedByYourServer",  
  displayName: "display name to show other users",  
  resourceId: "everyone connected to this resourceId ends up in same conference",  
  onSuccess: function() { /* Connected */ },  
  onFailure: function(reason) { /* Failed */ },  
  onDisconnected: function(reason) { /* Disconnected */ }  
});
```