Getting Started With WebRTC and Respoke



What are we going to cover?

WebRTC Respoke Code Samples </QA>

Who Is This Guy?

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Who Are You?

What the Heck Is WebRTC?



"is a free, open project that enables web browsers with Real-Time Communications (RTC) capabilities via simple JavaScript APIs."

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Contributors



WebRTC Examples

Amazon Mayday



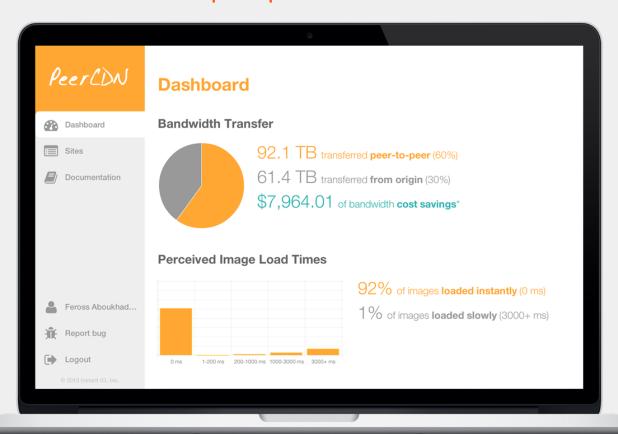
GoogleHangouts

https://plus.google.com/hangouts



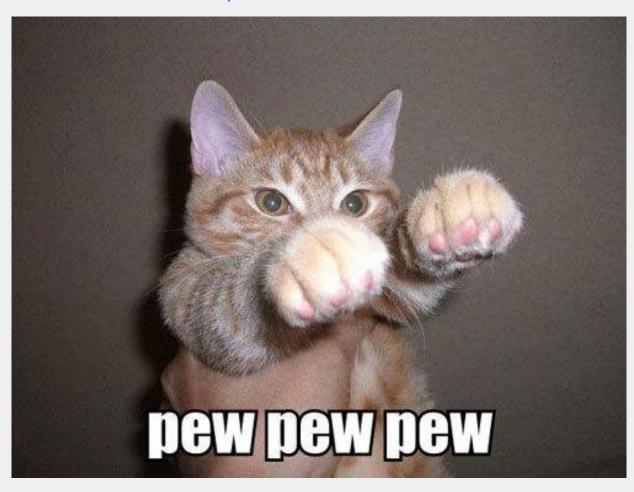
PeerCDN

https://peercdn.com/



Sharefest

https://sharefest.me



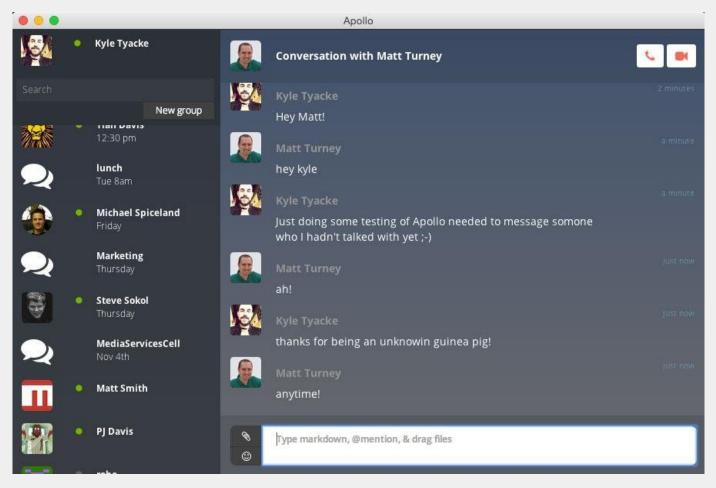
CubeSlam

https://www.cubeslam.com

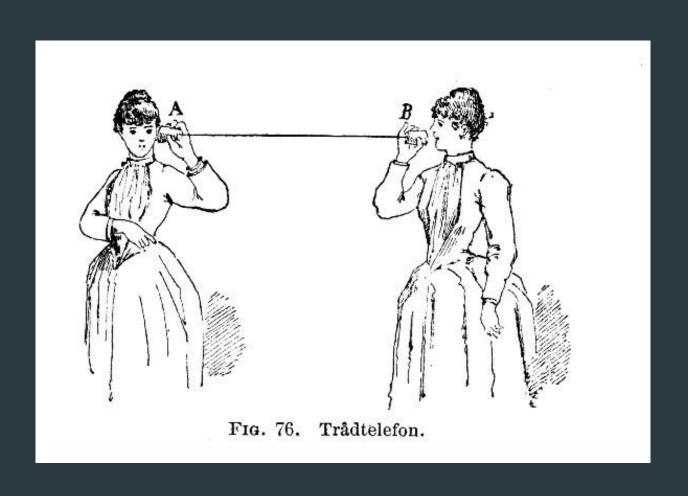


Apollo

https://github.com/respoke/apollo

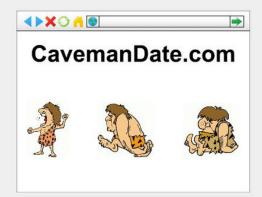


How Does WebRTC Work?



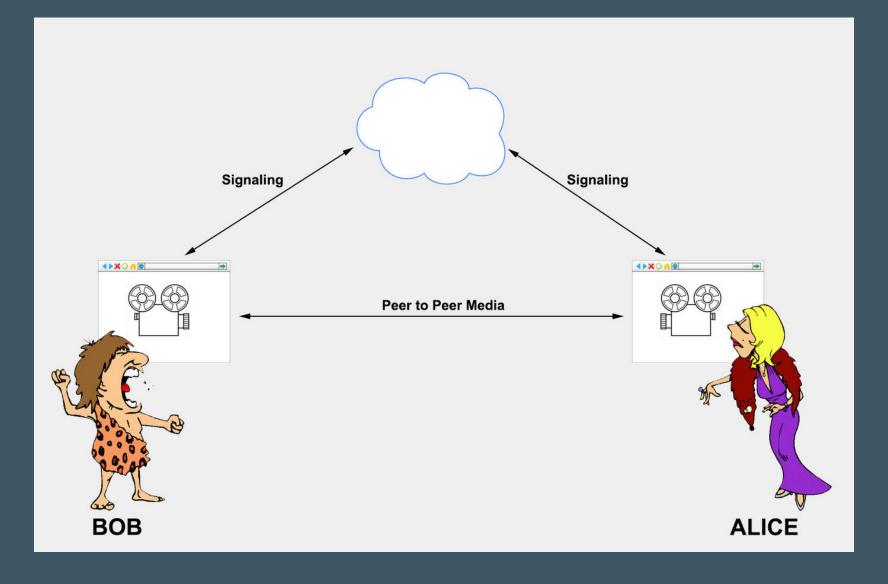
When Bob Met Alice



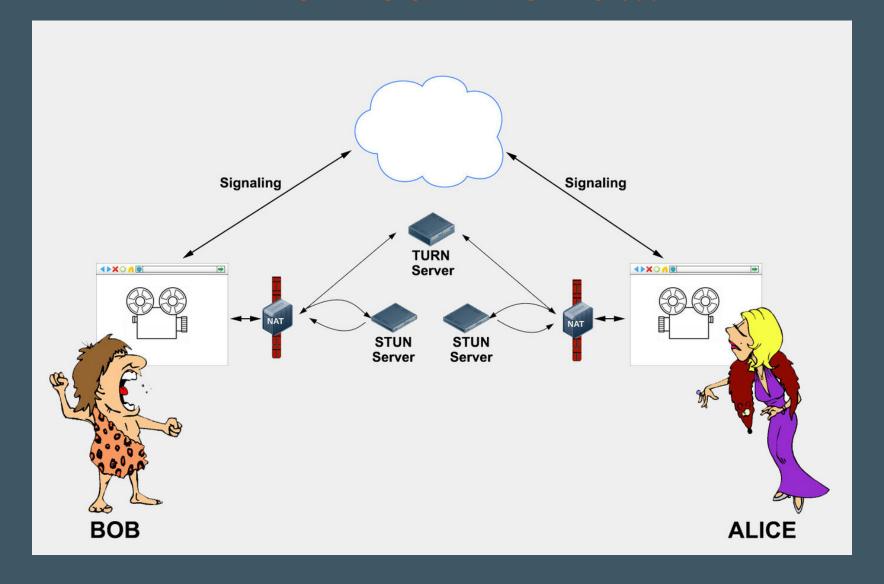




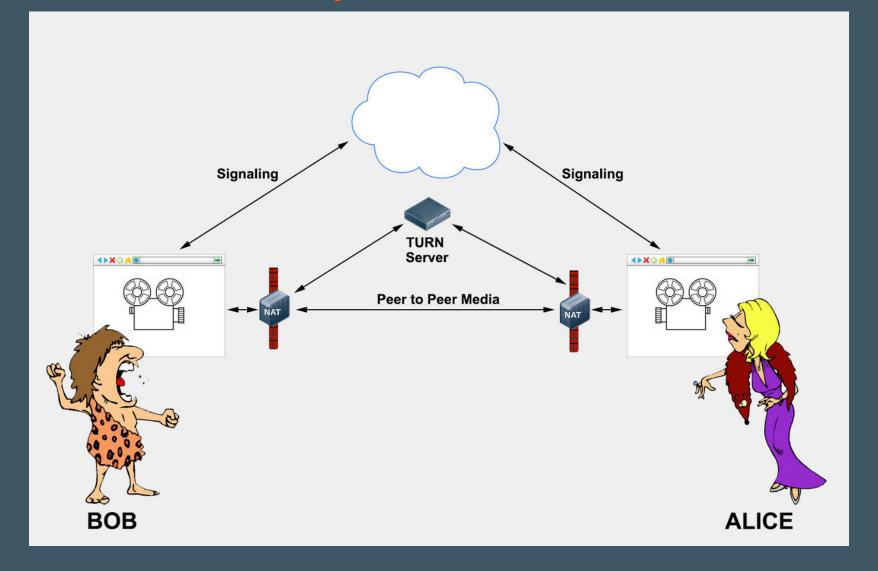
An Ideal World!



The Real World....



The Complete Connection



Simple Right?

c) respoke

Respoke?

A set of API's that gives developers the ability to easily add real-time communication to their applications.

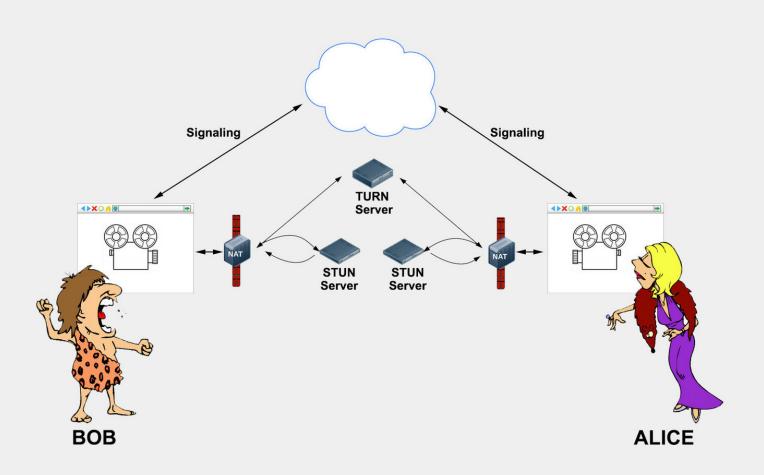
Like WebRTC?

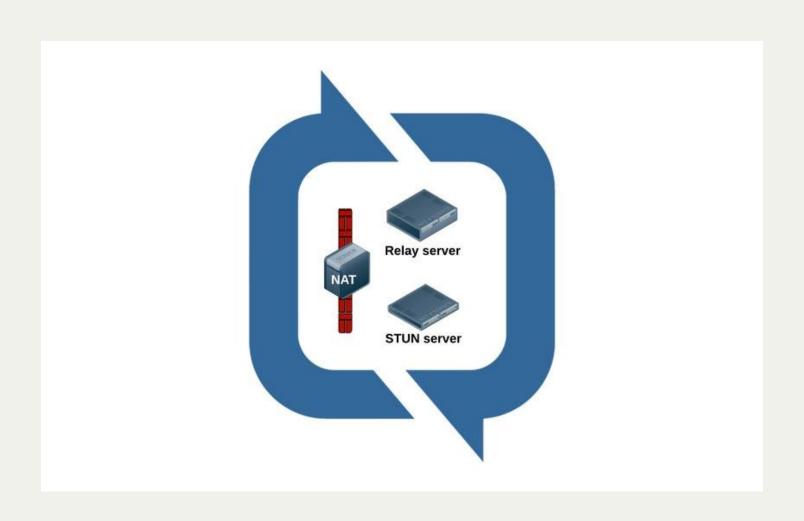


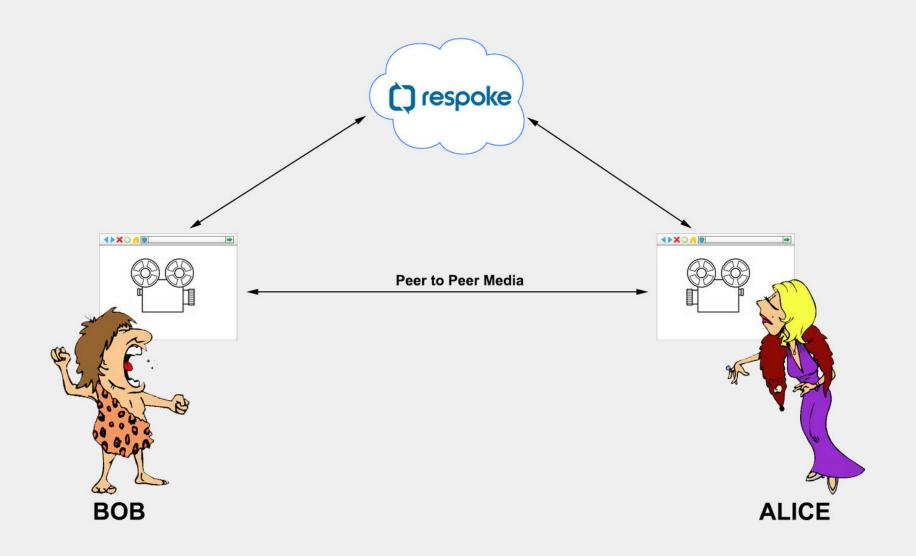
Sort of...



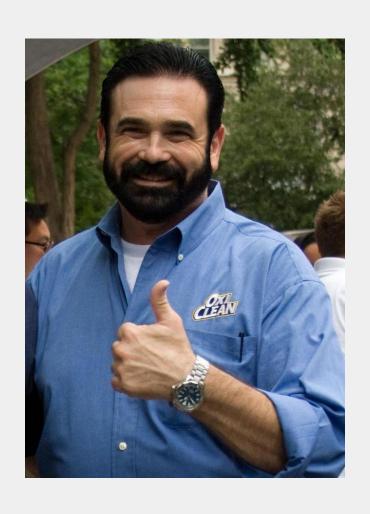
Remember This?







But Wait! There's More...



Open Source Cross-browser Support Endpoint Discovery Endpoint Messaging Groups Presence **Phone System Support**

<CODE/>

Create a Respoke Account

http://www.respoke.io

Connecting to Respoke

http://bit.ly/11gDTJ1

```
// App ID value from the dev portal. You can play
// around with the supplied ID or replace it with
var appid = "b4931d40-ff2b-4c46-8487-bf955a75501d";
var endpointId;
// Create the client object using the App ID
var client = respoke.createClient({
    appId: appid,
    developmentMode: true
});
client.listen('connect', function() {
    $("#status").html("Connected to Respoke as \"" + endpointId + "\"");
});
$("#doLogin").click(function() {
    $("#status").html("Connecting...");
    // Grab our username
    endpointId = $("#endpoint").val();
    client.connect({
        endpointId: endpointId
    });
});
```

Messaging

http://bit.ly/1HzXGVo

```
// Listen for incoming messages
client.listen('message', function(evt) {
    $("#messages").append(
        "" + evt.message.message + ""
    );
});
$("#sendMessage").click(function() {
    var remote = $("#remoteId").val();
   var endpoint = client.getEndpoint({
        id: remote
    });
    // Grab the text to send
    var messageText = $("#textToSend").val();
    endpoint.sendMessage({
       message: messageText
    });
    $("#messages").append(
        "" + messageText + ""
    );
   $("#textToSend").val('');
});
```

Video Calling

http://bit.ly/lwcJf2j

```
// The options for our video call including constraints and callbacks
var callOptions = {
    constraints: {
        audio: true,
        video: true
   },
    onLocalMedia: function(evt) {
        setVideo('localVideoSource', evt.element)
    },
    onConnect: function(evt) {
        setVideo('remoteVideoSource', evt.element)
};
client.listen('call', function(evt) {
    activeCall = evt.call;
   if (activeCall.caller !== true) {
        activeCall.answer(callOptions);
        // The hangup event indicates the call is over
        activeCall.listen('hangup', function() {
            hangUp();
        });
});
```

Docs and Additional Examples

https://docs.respoke.io/

What's It All Mean?

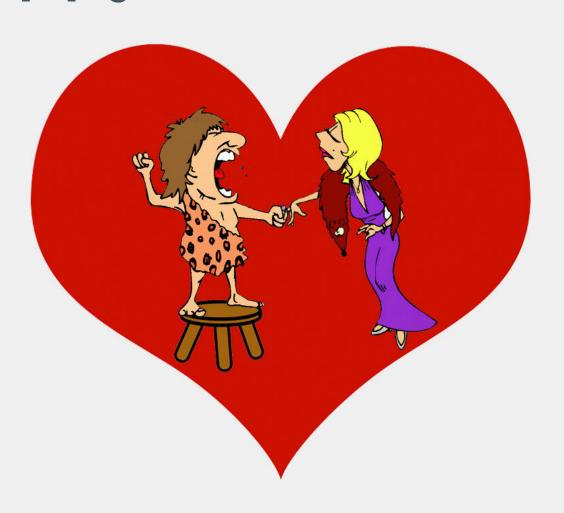
Faster Development

Better User Experience

Happy Bosses



Happy Bosses Users!



Communication should be a feature, not a product...

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Examples and Source

https://github.com/ktyacke/respoke-webrtc-preso