WebRTC in Firefox
a quick update

Kranky Geek - Bangalore - March, 16
Kaustav Das Modak - @kaustavdm

WebRTC in latest Firefox

Un-prefixed core APIs (FF 44)

32 KHz mic capture (FF 44)

AEC enhancements (FF 45)

…more ongoing improvements

Simulcast
(simultaneous broadcast)

Landed in Dev Edition, behind a pref

Should not harm non-simulcast use cases

Currently under test for regressions.

Help test?

MediaRecorder Demo 1

Get video stream from canvas

```
var stream = canvas.captureStream(15);
video.src = URL.createObjectURL(stream);
video.play();
```

MediaRecorder Demo 2

Render and filter a video stream into a canvas

```
// Get a video stream from the webcam
navigator.mediaDevices.getUserMedia()

// Draw the video stream in CanvasRenderingContext2D
canvas.drawImage()

// Read the canvas pixels
canvas.getImageData()

// Write the canvas pixels
canvas.putImageData()
```

For more demos on MediaRecorder

mozdevs.github.io/MediaRecorder-examples/

Roadmap

Better simulcast (H.264, spec compliance etc.)

Full duplex audio support in Desktop (Linux, OSX, Windows)

VP9 support

Stereo Opus support in WebRTC

PERC prototyping

Test drive the Dev Edition Firefox
firefox.com/developer

```
talk.over()
questions.ask()

tweet("@kaustavdm")

irc("#media", "irc.mozilla.org")
```