



# Rehearsal Technical Requirements Guide

## Rehearsal Technical Requirements

Rehearsal is a web-based role-playing application. The Rehearsal web application works natively in modern desktop web browsers that support HTML5 Media Stream encoding and local Indexed Database storage, and also in mobile device browsers using HTML 5 Media Capture. Rehearsal can also be accessed by students with our native iOS mobile app available in the App Store called “VRP,” which stands for Video Role Play.

### Desktop Browser HTML5 Method

Captured video is stored and compressed locally on the device, and is transmitted to our servers via a standard HTTPS connection in the open WebM media format, which uses VP8 and VP9 encoding. Currently this method is employed when Rehearsal is accessed with recent versions of Google Chrome and Mozilla Firefox.

### Desktop Browser Recorder App Method

On desktop browsers that do not support the necessary HTML5 standards, Rehearsal uses a helper application to capture video from a device’s camera and upload the video to our servers.

### Mobile Devices

When Rehearsal is accessed from a browser on a mobile operating system (Apple iOS and Google Android), it invokes native operating system capture device and file browser functions. Media is encoded using the format native to each platform, then uploaded via HTTPS when recording is complete. The native iOS app compresses and encodes media in MPEG 4 Video (m4v) format and transmits via HTTPS upon completion.

### Desktop Requirements

**Operating System:** Windows 7 (or newer) or OS X 10.9 (or newer)

**Browser:** MS IE11 (or newer), Edge, Chrome 70+, Firefox 67+, Safari 11+

**Hardware:** Webcam (Internal or external), Speakers or Headphones

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## Mobile Requirements

**Mobile App:** Apple iPhone or iPad with iOS 12+ or iPadOS 13+

**Web App:** iOS 9 (or newer), Android 5 (or newer)

## Network Requirements

Speed: DSL (or better), 4G (or better)

Required Protocols: HTTPS over port 443 outbound to \*.videoroleplay.com, \*.rehearsal.com, s3.amazonaws.com/UUniversity, \*.natero.com;