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System Requirements for Canvas and Zoom

CANVAS: For best performance, Canvas should be used on the current or first previous major release of Chrome, Firefox, Edge, or Safari. Because it's built using web standards, Canvas runs on Windows, Mac, Linux, iOS, Android, or any other device with a modern web browser.

Canvas only requires an operating system that can run the latest compatible web browsers. Your computer operating system should be kept up to date with the latest recommended security updates and upgrades.

Supported Browsers
Canvas supports the current and first previous major releases of the following browsers:

- **Chrome** 90 and 91
- **Firefox** 89 and 90 (Extended Releases are not supported*)
- **Edge** 90 and 91
- **Respondus Lockdown Browser** (supporting the latest system requirements)
- **Safari** 13 and 14 (Macintosh only)

You can verify that the browser you are currently using is up to date by using the browser checker tool in the step below.

Zoom: System Requirements for Windows, macOS, and Linux

Overview

This article lists the requirements for using the Zoom Desktop Client on Windows, macOS,
and Linux.
This article covers:
• System requirements
• Supported operating systems
• Supported tablet and mobile devices
• Supported browsers
• Processor and RAM requirements
• High DPI support
• Bandwidth requirements

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System requirements:

• An internet connection – broadband wired or wireless (3G or 4G/LTE)
• Speakers and a microphone – built-in or USB plug-in or wireless Bluetooth
• A webcam or HD webcam - built-in or USB plug-in
• Or, a HD cam or HD camcorder with video capture card

Supported operating systems
• macOS X with macOS 10.9 or later
• Windows 10
  - Note: For devices running Windows 10, they must run Windows 10 Home, Pro, or Enterprise.
    S Mode is not supported.
• Windows 8 or 8.1
• Windows 7
• Windows Vista with SP1 or later
• Windows XP with SP3 or later
• Ubuntu 12.04 or higher
• Mint 17.1 or higher
• Red Hat Enterprise Linux 6.4 or higher
• Oracle Linux 6.4 or higher
• CentOS 6.4 or higher
• Fedora 21 or higher
• OpenSUSE 13.2 or higher
• ArchLinux (64-bit only)

Supported tablet and mobile devices
• Surface PRO 2 or higher running Win 8.1 or higher
  - Note: For tablets running Windows 10, they must run Windows 10 Home, Pro, or Enterprise.
    S Mode is not supported.
• iOS and Android devices
• Blackberry devices

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Supported browsers
• Windows: IE 11+, Edge 12+, Firefox 27+, Chrome 30+
• Mac: Safari 7+, Firefox 27+, Chrome 30+
• Linux: Firefox 27+, Chrome 30+

Processor and RAM requirements

	Minimum	
Processor	Single Core 1Ghz or Higher	Dual Core 2Ghz or Higher (i3/i5/i7 or AMD equivalent)
RAM	Ideally 1 Gb	4Gb

Notes:
• Dual and single core laptops have a reduced
frame rate when screen sharing (around 5 frames per second). For optimum screen sharing performance on laptops we recommend a quad core processor or higher.
• Linux requires a processor or graphics card that can support OpenGL 2.0 or higher.

High DPI support
• High DPI displays are supported in Zoom version 3.5 or higher

Bandwidth requirements
The bandwidth used by Zoom will be optimized for the best experience based on the participants' network. It will automatically adjust for 3G, WiFi or Wired environments.
Recommended bandwidth for meetings and webinar panelists:
• For 1:1 video calling: 600kbps (up/down) for high quality video
1.2 Mbps (up/down) for 720p HD video
Receiving 1080p HD video requires 1.8 Mbps (up/down)
Sending 1080p HD video requires 1.8 Mbps (up/down)

• For group video calling: 800kbps/1.0Mbps (up/down) for high quality video
For gallery view and/or 720p HD video: 1.5Mbps/1.5Mbps (up/down)
Receiving 1080p HD video requires 2.5mbps (up/down)
Sending 1080p HD video requires 3.0 Mbps (up/down)

• For screen sharing only (no video thumbnail): 50-75kbps
• For screen sharing with video thumbnail: 50-150kbps
• For audio VoiP: 60-80kbps
• For Zoom Phone: 60-100kbps

Recommended bandwidth for webinar attendees:
• For 1:1 video calling: 600kbps (down) for high quality video and 1.2 Mbps (down)
• for HD video
• For screen sharing only (no video thumbnail): 50-75kbps (down)

- For screen sharing with video thumbnail: 50-150kbps (down)
- For audio VoiP: 60-80kbps (down)