

## What are the hardware and internet speed requirements for online testing?

### System requirements

Technical requirement	Technical Specification
Operating System	<p><b>Windows 10</b>  <b>Windows 8.1 (32-bit and 64-bit)</b>  <b>Mac OS 10.13 and above</b> (excluding beta versions)</p> <hr/> <p><b>Note:</b> Windows Operating Systems must pass Genuine Windows Validation.</p> <ul style="list-style-type: none"> <li>• <b>Windows Vista, Windows XP and Windows 7</b> are strictly prohibited for exam delivery</li> <li>• All Linux/Unix based Operating Systems are strictly prohibited.</li> </ul>
Firewall	<p>Do not take your exam in a setting with a corporate firewall (including VPN), or, alert your Network Administrator to the <a href="#">network configuration requirements</a>. We recommend testing on a personal computer. Work computers generally have more restrictions that may prevent successful delivery.</p>
RAM	<p>OS specified minimum RAM            4 GB RAM or more</p>
Display	<p>Minimum Resolution: <b>1024 x 768</b> in <b>16-bit color</b>.            Additional monitors are forbidden.</p>
Internet Browser	<p>The newest versions of Microsoft <b>Edge</b>, <b>Safari</b>, <b>Chrome</b>, and <b>Firefox</b> or <b>Internet Explorer 11</b>.</p>
Internet Connection	<p>For optimal performance, a reliable and stable connection speed of <b>3 Mbps down and 2 Mbps up</b> is required.</p> <p>Where possible, we recommend testing on a wired network as opposed to a wireless network.</p> <p>If testing from home, ask others within the household to avoid internet use during your exam session.</p> <p>Tethering to a mobile hotspot is explicitly prohibited.</p>

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<b>Webcam</b>	Webcam must have a <b>minimum resolution of 640x480 @ 10 fps</b> . Webcam may be internal or may be external and connected to the computer.  Mac users may need to allow OnVUE within their 'System Preferences: Security & Privacy: Privacy' settings for Microphone, Camera, Automation and Input Monitoring.
<b>Sound &amp; Microphone</b>	Verify the audio and microphone are not set on mute in Windows.  Mac users may need to allow OnVUE within their 'System Preferences: Security & Privacy: Privacy' settings for Microphone, Camera, Automation and Input Monitoring.
<b>Browser Settings</b>	<b>Internet Cookies must be enabled.</b> <b>Any Pop-Up blocking setting(s) must be disabled.</b>
<b>Device</b>	All tablets are strictly forbidden, unless it has a physical keyboard and also meets the operating system requirements mentioned earlier.
<b>Power</b>	Ensure you are connected to a power source before starting your exam to avoid draining your battery during the exam