

Edge Cloud System Guidelines

For Edge Cloud Storage Users



Use the guidelines in this document as a guide to needed equipment and Internet connection speed for both PCs and Macs. Note that these guidelines are recommended for Edge Cloud. Other programs you use in addition to Edge Cloud may require increased needs. Consult an Ortho2 Network Engineer at 800.346.4504 before making any equipment purchases.

Workstations

Best Performance – Best for Computers with Heavy Imaging Use

Operating System	Windows 10 Pro or Enterprise 64 bit
Processor	8 th Gen Intel i5 or above/AMD Ryzen 5 or above
Memory	16 GB RAM
Video	NVIDIA GT 1050ti/ AMD RX 460 or above
Resolution	1920 x 1080 for dedicated monitors, 1600 x 900 for laptops
Office Suite	Office 2019 or Office 365

Better Performance – Best for High Volume Use

Operating System	Windows 10 Pro
Processor	4 th Gen Intel i5 or above/AMD Ryzen 5 or above
Memory	8 GB RAM
Video	NVIDIA GT 620 or AMD R7 360
Resolution	1920 x 1080 for dedicated monitors, 1600 x 900 for laptops
Office Suite	Office 2016 or above

OK Performance – Best for Low Volume Use

Operating System	Windows 8.1 Pro or Enterprise
Processor	4 th Gen Intel i3 or above/AMD A8-7600 or above
Memory	8 GB RAM
Video	Intel HD Integrated Graphics/AMD Radeon R7 Integrated Graphics
Resolution	1600 x 900
Office Suite	Office 2013 or above

Minimum Requirements for PCs

Meeting these leads to only minimally acceptable performance

Operating System	Windows 8.1 Pro
Processor	Dual-core processor
Memory	4 GB RAM
Video	Intel HD Integrated Graphics/AMD Radeon R7 Integrated Graphics
Resolution	1600 x 900
Office Suite	Office 2010

Other software used in your office, such as 3D graphics applications, may require even more video capabilities.

Minimum Requirements for Macs

Operating System	OSX
Processor	Intel i5 or above
Memory	8 GB RAM
Resolution	1920 x 1080 for dedicated monitors, 1600 x 900 for laptops
Office Suite	Office 2019 or Office 365
Other Software	Windows 10 Pro; Boot Camp, or Parallels Desktop

Note: In order to run Edge Cloud on a Mac, the capability to run Windows on it is required. Parallels Desktop allow you to run Windows within the Mac Operating System. Boot Camp allows you to choose if you want to load into Windows or the OSX at start up.

Internet Considerations

Reliable Internet is a primary requirement for using the Edge Cloud Storage service. The type of service available in your area may vary, but the service you choose should meet the following general criteria:

- 1 High Reliability.** Some providers refer to this as “Business Class Service”, which implies that the service is reliable and stable enough to run business applications.
- 2 High Bandwidth.** Bandwidth refers to the amount of data that can transmit on your Internet connection. It has two components, upload and download. We recommend you choose a service that offers the most upload/download within your budget.
- 3 Low Latency.** Latency refers to delays typically incurred in processing of network data. It can have a huge impact on overall service performance. Typically, cable and DSL services have low latency. Check with your service provider to make sure your service meets this requirement.

Edge Cloud Bandwidth Recommendations:

Just like there are varying levels of acceptable computers, bandwidth recommendations vary per office. Remember that meeting minimum Internet speeds results in minimally acceptable performance. A general guideline we suggest is the more bandwidth, the better; buy the most bandwidth you can access and afford.

Recommended Bandwidth

Download: 25 Mbps or greater

Upload: 5 Mbps or greater

Latency: <100

Minimum Bandwidth

Download: > 5 Mbps

Upload: > 1.0 Mbps

Latency: < 100 ms

There are other factors that can affect Internet performance and they should be taken into consideration when choosing your service:

Waiting Room Wifi: Offering wireless access to your patients could directly affect application performance. If you wish to offer these conveniences to your patients, consider bringing in a separate Internet connection.

VoIP Phone System: Internet based phone systems are very popular; however these systems often reserve bandwidth which can affect application performance.

Media Streaming: Streaming music or videos over your Internet connection can affect application performance. Consider using a separate Internet service for these activities.

Staff Internet Usage: Depending on your office Internet policies, staff usage can impact speed and performance.

Other Applications or Services: If you intend to use other applications or services that require an Internet connection, make sure to take them into consideration when choosing your Internet service.

If reliable, high-speed Internet is not available in your area, please discuss the situation and other options to use Edge Cloud successfully with the Network Engineering Team.