Edge Cloud System Guidelines

For Locally-Hosted Users

Use the guidelines in this document as a guide to needed equipment for both PCs and Macs, and consult with your Ortho2 Regional Manager before making any purchases.

Workstations

Optimized for Best Performance PCs:

OS	Windows 10 Professional or Enterprise, 64 bit
Processor	Intel Quad Cores
Memory	8 GB RAM
Video	1 GB graphics card
Resolution	1920 x 1080 for dedicated monitors, 1600 x 900 for laptops
Windows Experience Index	4 or better
Software	Office 2016, 32 bit, as needed station by station

Recommended for Better Performance PCs:

Same as above, except:

OS	Windows 10 Professional or Enterprise
Memory	4 GB RAM
Video	256 MB Video RAM, DirectX 9, Tier 2*

Recommended for Macs:

OS	OSX
Processor	Intel Quad Cores
Memory	4 GB RAM or greater
Resolution	1920 x 1080 for dedicated monitors 1600 x 900 for laptops
Software	Office 2016, 32 bit, as needed station by station

To run Edge Cloud on a Mac, you may use Boot Camp or purchase Parallels Desktop software. With either option you will need a Windows OS license. Contact a member of the Ortho2 Network Engineering Department to discuss which option would be best for your office.

Minimum:

OS	Windows 8.1 Professional or Enterprise OR Windows 7 Professional or Enterprise
Processor	Multi-core processor
Memory	2 GB RAM
Video	128 MB Video RAM, DirectX 9, Tier 1*
Resolution	1600 x 900
Software	Office 2007 SP 3, 32 bit, as needed station by station

Note: Meeting only the minimum specifications will lead to program performance that is only minimally acceptable. These minimums are meant for non-critical or lower use stations and will not be suitable for all program uses. For a better user experience, follow the recommended specifications.

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

Server

Duplicating the Edge Cloud with in-house equipment is not a trivial task. Nevertheless, some practices will be able to accomplish this successfully with one dedicated in-house server. But for many practices, in order to have satisfactory performance with Edge Cloud, it will be necessary to have <u>two</u> dedicated in-house servers. Factors that may predict the need for two servers are the use of full SQL-Server or having many simultaneous users. There are many other factors that can unpredictably result in the success or failure of running Edge Cloud locally from one server. If you elect to use one server but conclude that the performance isn't what you need, a second server will almost certainly be required. A single server powerful enough to cope with the demands of both IIS and SQL Server won't necessarily be less expensive than two machines.

Microsoft does NOT recommend IIS on a Domain Controller running Active Directory.

Recommended: Two server computers, one dedicated to Microsoft SQL Server 20012 R2 and one dedicated to IIS 7.5. Windows Server 2008 R2 and at least 4GB+ RAM installed on each.

Minimum: One server computer running Windows Server 2012 or 2008 R2, Microsoft SQL Server Express 2012 or 2008 R2, IIS 7.5, and 4GB+ RAM.

Security Certificates

If you plan to have local Edge Cloud servers, you need to purchase an SSL certificate. These certificates are available online at sites such as www.godaddy.com. At a minimum, hosting local Edge Cloud servers requires a Domain Validated SSL certificate. Wildcard or Extended Validation certificates may also be used, but are generally more expensive. Edge Cloud requires only one certificate that can be used for both Edge Cloud and Edge Portal. SSL certificates run about $70 per year, per certificate. Periodic maintenance and renewal of security certificates is required and should be performed by your qualified technician or by Ortho2 at its standard hourly rates.