

eIVF Hardware and Server Requirements

DMZ



Web Portal (Physical or Virtual)

- Windows Server 2019 with IIS or higher
- Microsoft .Net Framework 4.8, .Net Core 6.0, .Net Core 8.0 and .Net Core 10
- SSL Certificate
- Quadcore CPU

Recommended:

- Nightly backups for physical or snapshots for virtual
- 1 TB disk space
- 8 GB RAM

Connectivity Considerations:

- Web Portal server requires connectivity to both the Database and Application Server
- Enable port 443 for inbound
- HTTPS to connect to Application Server URL

LAN



Database Server (Physical or Virtual)

- Windows Server 2019 with IIS or higher
- Microsoft .Net Framework 4.8, .Net Core 6.0 and .Net Core 8.0
- Microsoft SQL Server 2019 or higher
- Quadcore CPU

Recommended:

- Nightly backups for physical or snapshots for virtual
- 256 GB free disk space per provider and follows MS SQL Server best practices for drive configuration
- 64 GB RAM baseline and 8 GB RAM allocated per provider

Other:

- Enable port 1433 from web portal
- Enable DTC from web portal



Application Server (Physical or Virtual)

- Windows Server 2019 with IIS or higher
- Microsoft .Net Framework 4.8, .Net Core 6.0, .Net Core 8.0 and .Net Core 10
- Quadcore CPU
- SSL Certificate

Recommended:

- Nightly backups for physical or snapshots for virtual
- 1 TB disk space
- 8 GB RAM

Other:

- eIVF folder requires full permission
- Enable port 19600 for E-File
- Email server required for eIVF's email notifications and reminders
- Enable port 443 and 8282 for inbound from web portal
- HTTPS to connect to Application Server URL

Internet Speed

- A clinic of 1-20 users should have an internet upload and download speed of 250 Mbps.
- A clinic of 30-50 users should have an internet upload and download speed of 500 Mbps
- The internet speed applies for all servers (DMZ, Database Server, Application Server and Client PC)

Client PC



- Windows 11 Pro*
- Microsoft .Net Framework 4.8, .Net Core 6.0 and .Net Core 8.0
- 16 GB RAM
- 50 GB Available Drive Space
- Full HD Resolution of 1920 x 1080 at 100% Scale+
- Virtual desktop is also an optionz

*Please note that any version of Windows Home is not HIPAA compliant. **Additional storage is required if any of the following applies to you: Image conversion from Legacy EMR to eIVF – 1TB on SQL Server (add); Documents conversion from Legacy EMR to eIVF – 1TB as archive system (new drive); We recommend to have a dedicated drive on APP Server for files. ***eIVF is compatible with TLS versions 1.2 and above. Prior to any TLS installations, eIVF must be contacted to assist with mitigation and upgrade since there are supporting configuration changes required. +If you are using a scale higher than 100%, a higher resolution of 1920 x 1080 is needed.