

Minimum Requirements

Avrem Technologies, LLC

Context

This document outlines both the Recommended and Minimum system requirements for compatibility with Avrem’s services. While some specifications may appear excessive today, they are intentionally designed to support a four- to five-year hardware lifecycle. Our goal is to ensure long-term performance and compatibility as technology evolves.

Recommended Workstation Specifications

Brand	HP or Dell
Operating System	64-Bit Windows 11 Pro, Enterprise
Processor (CPU)	64-Bit Intel Core i5/i7/i9, Gen 10 or Higher (No ARM or SQ Processors)
Memory (RAM)	16GB DDR5
Storage (SSD)*	512GB SSD*
Display	24” LCD (For Desktops) / 15.6” LCD (For Laptops)
Network	Gigabit (10/100/1000) Wired or 802.11be Wireless

Minimum Required Workstation Specifications

Operating System	64-Bit Windows 10 Pro
Processor (CPU)	64-Bit Intel Gen 8 Core i5/i7/i9 or AMD Equivalent
Memory (RAM)	8GB DDR4 or Higher
Storage (SSD)*	256GB SSD*
Display	23” LCD (For Desktops) / 13” LCD (For Laptops)
Network	Fast Ethernet (10/100) Wired or 802.11AC Wireless

**Traditional spinning hard drives (HDDs) are not supported for workstations.*

Recommended Server Specifications

Brand	HP or Dell
Operating System	Microsoft Windows Server Standard (Or Datacenter) 2022
Processor (CPU)	Intel Xeon (64-Bit, 16+ Cores)
Memory (RAM)	64GB Registered ECC DDR4 or Higher
Storage (SSD)*	4TB RAID 10
Network	2x Gigabit (10/100/1000) Wired
Power:	Dual, Hot-Pluggable Power Supply Units (PSUs)†
Out-Of-Band-Management	iDrac 9 Enterprise

†Avrem requires all servers to be covered by a programmable UPS.

Other Requirements and Recommendations

Warranty

All servers must be covered by an Original Equipment Manufacturer (OEM) or equivalent warranty that includes Next Business Day (NBD) parts replacement for the duration of the server’s production use. Workstations must carry a minimum three-year manufacturer’s warranty. Avrem strongly recommends warranty coverage for the full expected lifespan of each device and highly encourage including accidental damage protection for laptops and mobile devices.

Security

All workstations and servers must be protected by a generally accepted, commercial Endpoint Detection and Response (EDR) solution that meets or exceeds industry standards. Wireless networks must utilize at least WPA2 encryption.

Software

Microsoft Windows Home operating systems are not supported and will be upgraded to Windows Pro. Avrem requires the use of Microsoft Office 365. We do not support Gmail or legacy webmail platforms. Acceptable web browsers include Edge, Firefox, or Chrome. Internet Explorer or other third-party browsers (Brave, Opera, Safari) are not supported.

Backup

All servers covered under any Avrem agreement must be protected by daily, image-based backups that are encrypted, immutable (write-protected), and resistant to tampering or deletion.

Identity Management

To ensure full compatibility with Avrem’s services, all clients are required to utilize Microsoft Active Directory or Microsoft Entra (formerly Azure Active Directory) for identity management. Clients who do not currently meet this requirement will be required to transition to a compliant identity management platform within one (1) year of engaging Avrem. Any migration necessary to achieve compliance will be considered out-of-scope and billed separately at Avrem’s standard hourly rates.