

## halFILE 4.x Network Hardware & Software Requirements & Recommendations

### **Minimum Server Hardware Requirements (File Server, SQL, IIS and Image Servers)**

- Server 2008 R2 / Server 2012 R2 or higher
- Modern Xeon/Opteron quad core or greater CPU
- Multiple Processors (larger configurations)
- 8 GB RAM or greater (16GB recommended)
- 320 GB or greater Hard Disk Drive (for operating system and applications – does not include On-line Document Storage Requirements)
- RAID 1 (mirror), 5, 10 drives highly recommended
- 1000 Base-T (Gigabit) Network Interface Card

### **Terminal Server/Citrix Hardware Requirements (IF APPLICABLE)**

- Modern Xeon/Opteron quad core or greater CPU
- Multiple Processors recommended (10 users per processor)
- 8 GB plus 32 MB/User or greater
- 320 GB or greater Hard Disk Drive (for operating system and applications – does not include On-Line Document Storage Requirements)
- RAID 1 (mirror), 5, 10 drives highly recommended
- 1000 Base-T Network Interface Card

### **Network Switch**

- 1000 Base-T (Gigabit)

### **Scan/Retrieval Stations**

- 1000 Base-T (Gigabit) Network Interface Card
- 19" to 21" Color Monitor set to 1280 x 720 resolution or higher

### **Workstation Requirements**

- Windows 7 Pro / Windows 8.1 Pro
- Windows 10 Pro or Enterprise
- Modern multi-core processor (at least 2 cores)
- 2 GB RAM
- 64-bit preferred / 32-bit supported
- 128 GB hard drive with 5 GB free space

### **halFILE does not run on home editions of Windows or Windows RT (tablets)**

### **Recommended Configuration:**

- Windows 7 Pro / Windows 8.1 Pro
- Quad core 64-bit processor
- 4 GB RAM
- 320 GB hard drive with 50GB free space

### **Scanner**

- TWAIN compatible scanners from Fujitsu, Ricoh, or Panasonic.
- Fujitsu Scanners w PaperStream IP Drivers recommended

**(other manufacturers require hal approval)**

### **halFILE Database**

- Microsoft SQL Server (versions 2008 R2, 2012, 2014)
- 64-bit preferred
- hal Systems will supply SQL Express 2008 R2 or 2014 at no additional charge instead of Microsoft SQL Server if applicable

**(Others require approval, a platform fee may apply)**

### **On-Line Storage Options**

- Large RAID array for image storage (2TB or more)
- HP, Dell, or comparable Network Attached Storage that supports SMB 2.1 and higher and active directory security

### **Firewall and Anti-Virus Protection**

- Hardware firewall between Internet and your network is strongly recommended
- Anti-virus software protection required

### **Off-site Backup Options**

- Portable USB or eSATA drive.
- Cloud Storage
- DLT/DAT tape.

### **Printer**

HP LaserJet or PCL 5/6 compatible

### **UPS (on server)**

American Power Conversion or comparable Scale according to power requirements

### **Remote Support Connectivity**

- "Helpdesk", provided by hal Systems
- Remote Desktop, Terminal Server or Citrix
- High speed Internet connection required

**Note: Microsoft has stopped supporting XP, 2003 Server, and SQL 2005. We strongly recommend upgrading to supported versions. halFILE runs on Windows 7, 8.1, and 10 (Professional & Enterprise (32 and 64-bit), Server 2008 R2, Server 2012 R2, and SQL Server versions 2008, 2012 and 2014.**

**Please consult with hal Systems on Small Business / Essentials, Hyper-V/VMWare and other complex configurations**