



CaseWare Working Papers requires minimum machine and software requirements for:

- Workstations
- File Server/Networks/Hosted/Azure Vdi
- Windows Networking (“Peer-to-Peer”)

### Workstations

#### Operating systems:

- Microsoft Windows 10 64-bit (x64)
- Microsoft Windows 11 64-bit (x64) Please note:

CaseWare is 64-bit only and will not run on Windows 32 bit o/s.

#### Hardware:

##### Processor

- For CaseWare: 1 GHz 64-bit (x64) processor; 2 GHz 64-bit (x64) recommended for improved performance.

##### Ram

- Desktop / laptop Minimum 8 GB of RAM for Working Papers; 16 GB+ is recommended for improved performance.
- For Terminal Server/ Citrix / Hosted Environment 8 GB+ of ram is recommended per user.

##### HDD/SSD (preferred) Storage

- Minimum 10 GB free drive space for installation.

Please note: Additional drive space is required for engagement files. The size of open client files will vary depending on the features used and the size of documents managed. Working Papers has built-in compression that significantly reduces the size of compressed files.

### Display

- SVGA monitor capable of 256 colours and 800 x 600 resolutions is required. A monitor with 1280 x 1024 resolution or higher is recommended.

### Additional Components:

- A printer must be installed on each machine (CaseWare will install a PDF printer by default)

Please note: it is not necessary to physically connect a printer as it is only the printer drivers that need to be available.

- A full local install of Microsoft Office 2013 or greater is required to enable users to utilise the Excel import routine. Office 365 licensees will also require a full local install, Office provides this alternative full install under the office 365 license.

### Security and Permissions:

- Installation requires local administrative rights to the workstation.
- Use of Working Papers requires read/write/modify access to the program folder and any folders containing client files.

### SQL Server requirements only required if using an SQL based Data Store for a user list:

Working Papers Data Store requires Microsoft SQL server running on one of the following supported versions: Note SQL is not required if using Caseware Cloud Security or not enabling Caseware's inbuilt protection.

- Microsoft® SQL Server® 2022 or Microsoft® SQL Server® 2022 Express
- Microsoft® SQL Server® 2019 or Microsoft® SQL Server® 2019 Express
- Microsoft® SQL Server® 2017 or Microsoft® SQL Server® 2017 Express

Xbase data store is also available please speak to your on-boarding consultant for more information.

### File Server/Networks

A file server can be used to store Working Papers client files.

### Operating Systems:

- Microsoft Windows Server 2022
- Microsoft Windows Server 2019
- Microsoft Windows Server 2016.
- Microsoft CIFS compatible networks like SAMBA on Linux.

### Hardware:

Per file server/network operating system recommendations.

### Windows Networking (“Peer-to-Peer”)

In situations where a workstation is to be substituted for a true file server, we strongly recommend that the operating system for the workstation be Microsoft Windows 10 64bit (x64)

### Citrix / Terminal Services:

A Terminal or Citrix Server can host Working Papers program sessions for users. Requirements include:

- Microsoft Windows Server 2022 with Citrix/Terminal Services
- Microsoft Windows Server 2019 with Citrix/Terminal Services
- Microsoft Windows Server 2016 with Citrix/Terminal Services
- Citrix MetaFrame, Presentation Server, XenApp 4.5 or greater, Azure Vdi

### Hardware:

The server hardware configuration should be scaled for the number of user sessions.

- 1.2 GHz CPU processing power per user
- 1 CPU core per five user sessions
- 8GB RAM minimum per user session

### Firewall / Ports:

Security and permissions

- Installation requires local administrative rights to the workstation
- Use of Working Papers requires read/write access to the program folder and any folders containing client files

## System Requirements

- If you are running Working Papers behind a firewall or proxy, ensure that you whitelist the following servers:

Amplitude web server

<https://elicense.caseware.com>

<https://elicense2.caseware.com>

**Further Notes:**

- Server hardware configuration needs to be scaled (RAM, CPU) for the number of sessions to be hosted and the applications and templates used.
- For optimal performance, Working Papers client files should be stored on the Terminal/Citrix Server or connected to it via a high-speed network connection.
- Our recommendation is to disable FairShare for disk I/O by setting it to 0 in the registry to further improve performance.  
HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\TSFairShare  
  \Disk
- VPN should not be used for opening a CaseWare file on a remote drive.
- Cloud based storage like One-Drive / DropBox **should not** be used for opening a Caseware file direct, However you can use these for storing backups.

For further information please contact the support team [support@caseware.co.uk](mailto:support@caseware.co.uk)