Warranted Environment Specification (WES)

Introduction

Docman 10 is a clinical content management and electronic workflow solution, which facilitates transfer of care across health organisations. The application is delivered through a web browser and has been developed for use with Windows PCs and laptops.

Customers use a centrally hosted implementation for Docman 10 where the infrastructure is managed centrally in an approved Data Centre. This model means that there minimal requirement for any software to be held locally and management of the application and infrastructure is handled by Advanced and an approved hosting provider.

This document specifies the **client environments** that Docman 10 has been assured against and
will cover the following components:

- Operating Systems

- Hardware Specification

- Scanners

- Browsers

The definition of a warranted environment is; an environment in which the supplier supports their product in the live
environment with fixes.

This specification will be reviewed regularly in line with product upgrades and updates to supporting components.

For queries relating to this document please raise a support request via the following URL https://customers.oneadvanced.com/.

Operating Systems

The operating systems specified here relate to clients that need to use the Docman Desktop Services application.

The following operating systems are warranted for use with Docman Desktop Services:

- Windows 7 (32/64 bit)

- Windows 10 (32/64 bit)

NB – Docman Desktop Services have not been thoroughly tested with Windows 11 (32/64 bit). Whilst we do not anticipate any performance issues it is not yet warranted for use.

Hardware Specification

This relates to clients that need to use the Docman Desktop Services application. The machine must
have at least 160MB capacity to store the files. We recommend the following hardware
specification:

- 2Ghz Processor

- 1GB RAM

We are aware of an issue that limits how Docman 10 application displays when vertical monitors are used, as such we recommend only using Horizontal monitors.

Scanners

Scanners need to be twain compatible, any deviation from this requirement has the potential to cause an issue.

Browsers

The following browsers are warranted for use with Docman 10 web application:

- Chrome

- Microsoft Edge

TLS Protocol

To utilise Docman web services users must use web browsers which support version 1.2 or higher of the TLS protocol.

Network and Bandwidth requirements

The Docman 10 product has been tested in a controlled environment against a variety of bandwidth connections. Based upon this controlled testing we can demonstrate that the Docman 10 product works with a HSCN network link that has minimum speeds of 0.5Mbps Upload and 2Mbps Download. Our recommendation however would be to have a HSCN network link that has speeds of 2Mbps Upload and 5Mbs download. Whilst link speeds slower than this will work, the response times of the system will be degraded and system performance overall will not be optimum.

	Upload Speed	Download Speed
Minimum	0.5 Mbps	2 Mbps
Recommended	2 Mbps	5 Mbps
Optimum	10 Mbps	10 Mbps

These figures are a guideline only as system performance is also dependent upon several other factors outside the control of the Docman 10 software e.g. large files transfers, local LAN traffic / network profiles, HSCN network traffic and user activities that impact on network usage.

The Docman service(s) are hosted in cloud infrastructure which is connected to the HSCN Networks. The IP addresses for the service(s) are resolved to the active IP address via DNS. To be able to access the hosted Docman service(s), customers must ensure their network gateways permit HTTPS (port 443) to the following IP Ranges.

Firewalls & Networking

IP Addresses

Environment	IP Addresses / Range	Notes
Production (HSCN Required docman.thirdparty.nhs.uk)	10.196.206.233/**27**	
Sandpit and Testing (sandpit-login.docman.com)	35.189.118.249	

Docman 10 & Share Ports & URLS

Service	Port	URL	Customer Type
Web Application	443	https://*.docman.thirdparty.nhs.uk	All DM10 Customers
Desktop App Updates	443	https://docman.blob.core.windows.net https://updates.docman.com https://apps.docman.com	All DM10 Customers
SignalR	8086	https://dts.docman10.com	All DM10 Customers
SignalR	8086 & 8100-8300	https://dts.docman10.com	Vision AEROS DM10
Telemetry	443	https://snow.pctisolutions.co.uk	All DM10 Customers
Share API	443	https://api.docman.thirdparty.nhs.uk	All Share Customers

Docman Connect Ports & URLS

Service	Port	URL	Customer Type
Web Application	443	https://console.docman.thirdparty.nhs.uk	All Connect Customers
API URL	443	https://api.docman.thirdparty.nhs.uk	All Connect Customers

Docman 10 with Proxies

Docman Desktop Services requirements

The Docman Desktop Services application needs to be installed for all users that wish to use the scanning application to add
content into the system and for GP installations it also downloads the
libraries required to communicate with the integrated clinical systems. Installation of the application requires
administrator privileges on the machine during the initial installation
process. Subsequent updates will not
require administrator privileges as these are handled by a service that is
installed during the initial installation process. This application is available packaged as an
MSI upon request.

The application uses Microsoft .NET Framework 4.5.1.

Docbot / HL7 Requirements (RMS sites only)

Item	Minimum Specification	Recommended Specification

Processor	Core i3-4150 3.5GHz	Core i5-6500 3.2GHz
RAM	2GB	4GB (or better)
HDD	60GB	120GB or more
Operating System	Windows 10, Server 2012 R2 and above	Windows 10, Server 2012 R2 and above
.NET Framework	4.7.2	4.7.2
Network connection	1 X 100 Mb/s	1 x 1 Gb/s
Ports Open	443 + Plus Mirth Channel Port	443 + Plus Mirth Channel Port