

# Technical Requirements

## Introduction

This document details the support platforms for fSeries. Please review them before installing required fSeries components. The information within this document applies to **fSeries v3.8**.

---

- [fSeries Server](#)
    - [Minimum Hardware Requirements](#)
    - [Operating Systems](#)
    - [Application Server](#)
    - [Connectivity](#)
    - [User/Audit Database \(optional\)](#)
  - [Client Applications](#)
    - [fData](#)
      - [Minimum Hardware Requirements](#)
      - [Minimum Software Requirements](#)
    - [fTest](#)
      - [Minimum Hardware Requirements](#)
      - [Minimum Software Requirements](#)
  - [fDocs Designer](#)
    - [Minimum Hardware Requirements](#)
    - [Minimum Software Requirements](#)
  - [SQL Library Manager](#)
    - [Minimum Hardware Requirements](#)
    - [Minimum Software Requirements](#)
  - [End Users](#)
- 

## fSeries Server

The fSeries server is where data gathering and generation of fDocs Outputs and fPanels Presentations takes place. It is also (by default) the location where Data Set Definitions (DSDs) and fDocs Templates are stored.

### Minimum Hardware Requirements

- 43MB hard disk space for the application, plus additional storage space

for user data (such as DSDs and templates)

- 1GHz (x86) or 1.4GHz (x64) processor (2GHz or faster recommended)
- 512MB RAM (2GB or greater recommended):  
Maximum (32-bit platforms): 4GB  
Maximum (64-bit platforms): 32GB
- Dedicated or virtual server environments are suitable for fSeries
- fSeries can also run within cloud environments, within a Virtual Machine (as per the above) or as an App Service. For App Service queries, please contact Fibonacci directly for further information.

## Operating Systems

fSeries Server runs upon the ASP.NET application platform, requiring IIS version 7 or above. Therefore, it may run on the following operating systems:

- Windows Server 2008R2, 2012/R2, 2016, or Windows Server 2019
- Windows 7 or above

## Application Server

An application server is required to run fSeries, capable of running .NET Framework v4.6:

- IIS7, IIS8, or IIS10
- Forms authentication
- For authentication or identification via Active Directory: Classic Mode within Application Pools, and Windows Authentication within Security
- Support for ASP.NET v4 'allowed' in IIS

By default, fSeries installs to port 80, this may need to be activated through local or intranet firewalls to allow end-users to access the application. We recommend running fSeries over HTTPS.

**Note:** If anti-virus software is installed on the fSeries server, web page and web service (ASPX/ASMX) support must not be blocked.

## Connectivity

fSeries can connect to many different data sources and merge data together to create combined, quality datasets from which to present outputs or on-screen presentations of data. Therefore, the server must have the sufficient drivers installed to be able to reach to the database sources required by DSD creators. These may include:

- Oracle ODAC (OLE/ODBC module), including suitable TNSNAMES.ORA, for connection to Oracle platforms
- Microsoft OLEDBSQL driver for SQL Server (or ODBC equivalent)
- Client API components for suitable modules, such as for HP Trim, Infoshare ClearCore etc.

## **User/Audit Database**

fSeries can authenticate users and store audit information within its own database. This database is provided as a Microsoft SQL Server .bak file that can be installed on the following platforms:

- Microsoft SQL Server 2014 / Microsoft SQL Server 2014 Express (and later versions)
- Microsoft SQL Server 2012 / Microsoft SQL Server 2012 Express
- Microsoft SQL Server 2008R2 / Microsoft SQL Server 2008R2 Express

No additional SQL Server requirements (such as indexing, SSRS) are required.

## **Client Applications**

There are various applications that may be installed on a client machine to provide the ability to create and manage DSDs, create and manage templates, or provide diagnosis.

### **fData**

fData is a desktop application (EXE) required by any users that needs to manage DSDs, and has the following requirements:

#### **Minimum Hardware Requirements**

- 16MB hard disk space
- 1GHz processor
- 512MB RAM

#### **Minimum Software Requirements**

- NET Framework 4.6
- Windows Vista SP2/Windows 7 or later, or Windows Server 2008 or later

### **fTest**

fTest is a desktop application that may be used to diagnose the results from testing DSDs, or view the internal structures of fDocs Templates.

#### **Minimum Hardware Requirements**

- 10MB hard disk space
- 1GHz processor
- 512MB RAM

#### **Minimum Software Requirements**

- NET Framework 4.6
- Windows Vista SP2/Windows 7 or later, or Windows Server 2008 or later

## **fDocs Designer**

fDocs Designer is provided as a Microsoft ClickOnce add-in for Microsoft Word, and is used to create and manage fDocs templates.

### **Minimum Hardware Requirements**

- 1MB hard disk space
- 1GHz processor
- 512MB RAM

### **Minimum Software Requirements**

- Microsoft Word 2010, or Microsoft Word 2013/2016/2019 Standalone (Word for Office 365 Online is not supported, Desktop can be used)
- NET Framework 4.6
- Windows Vista SP2/Windows 7 or later, or Windows Server 2008 or later
- Note: fDocs Designer runs within the user's Windows profile and users must have permission to read/write to their Application Data folder

## **End Users**

End Users are defined as users who request fDocs Document outputs or fSeries Panel Presentations. They do not require any client software installed on their machine other than an Internet browser and suitable software for opening documents (i.e. Microsoft Word and/or a PDF reader), with the following minimum requirement depending on their browser type:

- Chromium-based web browsers such as Google Chrome, Microsoft Edge (version 79+)
- Mozilla Firefox – version 6 or later