



F2

F2 Software Requirements

Version 11

Updated: 27.06.2024

Table of contents

Introduction.....	3
Client	3
Accessibility	4
Remote access	4
F2 Touch	5
F2 Manager	5
F2 Self Service	5
Application server.....	7
Database server.....	9
Integration server	11
Mobile server	14

Introduction

This document describes the software you need to install before the cBrain technician can install F2 on the servers.

Please refer to the installation manual for details.

Client		Verified by
Operating system	Windows 10 or Windows 11	
Microsoft Office	<p>Microsoft Office 2016 (Word, Excel, PowerPoint and Outlook). Only 32 bit supported</p> <p>or</p> <p>Microsoft Office 365 E3, E5, Business or Microsoft 365 Apps for enterprise¹ or Microsoft Office 2019 or 2021 Professional Plus</p> <p>32 or 64 bit installed on the PC</p> <p>Note: cBrain cannot guarantee a seamless integration with the Microsoft Office suite if third party add-ins are installed.</p>	
Adobe Reader	XI - DC	
Microsoft WebView2 ²	x64 or x86	
.Net	4.8 or newer	

¹ Other Microsoft Office 365 plans, such as Microsoft Office 365 Home and Microsoft Office 365 Personal, are **not** supported. Microsoft Office 365 ProPlus changed name to Microsoft 365 Apps for enterprise on April 21st 2020.

² <https://developer.microsoft.com/en-us/microsoft-edge/webview2/#download-section>

Antivirus exclusions on access scan	Roaming folders: %APPDATA%\cBrain\F2\Logfiles %APPDATA%\cBrain\F2\DataCache Local folders: %LOCALAPPDATA%\cBrain\F2\Offline	
-------------------------------------	---	--

Accessibility

F2 supports accessibility through a range of standards on each platform. cBrain uses these tools to analyse, develop and test accessibility for F2.

The following tools are used by cBrain to ensure good accessibility:

- Freedom Scientific JAWS for Desktop
- ChromeVox for Web

Remote access

For installation/support purposes we need to be able to remote access servers and clients from a Windows 10 client.

F2 Touch

F2 Touch is supported on the following browsers and mobile operating systems (OS):

Google Chrome, latest version	http://w3schools.com/browsers/browsers_chrome.asp
Mozilla Firefox, latest version	http://w3schools.com/browsers/browsers_firefox.asp
Apple Safari for Mac, latest version (not on Windows PCs)	http://w3schools.com/browsers/browsers_safari.asp
Apple Safari for iOS, latest two versions	
Microsoft Edge, latest version	
Android, supported OS listed in Google Play store	https://play.google.com/store/apps/details?id=com.cbRAIN.f2touchapp
iPhone & iPad, latest two versions of iOS	https://apps.apple.com/dk/app/f2-touch/id623790616

F2 Manager

F2 Manager is supported on the following mobile operating system (OS):

iPad, latest two versions of iOS	https://apps.apple.com/dk/app/f2-manager/id574409653
----------------------------------	---

F2 Manager 2

F2 Manager 2 is supported on the following mobile operating system (OS):

iPad, latest version of iOS	https://apps.apple.com/app/f2-manager-2/id6469321175
-----------------------------	---

F2 Self Service

F2 Self Service is supported on the following browsers:

Google Chrome, latest version	http://w3schools.com/browsers/browsers_chrome.asp
-------------------------------	---

Mozilla Firefox, latest version	http://w3schools.com/browsers/browsers_firefox.asp
Apple Safari for Mac, latest version (not on Windows PCs)	http://w3schools.com/browsers/browsers_safari.asp
Apple Safari for iOS, latest two versions	
Microsoft Edge, latest version	

Application server		Verified by
Microsoft Windows Server	2016 ³ , 2019 or 2022	
Internet browser		
Adobe Reader	XI - DC	
<p>Minimum: Microsoft Internet Information Server</p> <p>Following roles and features need to be activated</p>	<p>8.0, enabled for ASP.NET 4.0</p> <ul style="list-style-type: none"> • IIS-WebServerRole • IIS-WebServer • IIS-CommonHttpFeatures • IIS-StaticContent • IIS-DefaultDocument • IIS-DirectoryBrowsing • IIS-HttpErrors • IIS-HttpRedirect • IIS-ApplicationDevelopment • IIS-NetFxExtensibility45 • IIS-ASPNET45 • IIS-ISAPIExtensions • IIS-ISAPIFilter • IIS-HealthAndDiagnostics • IIS-HttpLogging • IIS-Security • IIS-BasicAuthentication • IIS-WindowsAuthentication • IIS-RequestFiltering • IIS-IPSecurity • IIS-Performance • IIS-HttpCompressionStatic • IIS-HttpCompressionDynamic • IIS-WebServerManagementTools • IIS-ManagementConsole • IIS-WebSockets • WCF-Services45 • WCF-HTTP-Activation45 • NetFx4ServerFeatures • NetFx4 • NetFx4Extended-ASPNET45 • WAS-ProcessModel • WAS-WindowsActivationService • WAS-ConfigurationAPI 	
URL Rewrite Module	2.1 ⁴	

³ Windows Server 2016 is planned for deprecation in the next major release

⁴ Download from <https://www.iis.net/downloads/microsoft/url-rewrite>

.NET	4.8 or newer AND .NET 6 runtime ⁵ AND .NET 8 Hosting Bundle ⁶ AND .NET 8 Desktop Runtime	
Microsoft Visual C++	2017 Redistributable 32 bit and 64 bit	
Microsoft Visual C++	2019 Redistributable 32 bit and 64 bit	
Windows	To highest patch level	
Antivirus exclusions on access scan	On F2 log files location (Default is F:\F2\Customer.Environment\ Logs) On F2 Home files location (Default is E:\F2\Customer.Environment)	
Windows PowerShell	5.1 or newer	
PowerShell (.NET Core)	7.2 or newer	

⁵ Install the ASP.NET Core Hosting Bundle available for download from <https://dotnet.microsoft.com/en-us/download/dotnet/6.0/runtime> (the "Download Hosting Bundle" button). The installation doesn't require a server-restart, and it can coexist with any .NET Framework versions on the server.

⁶ Install the ASP.NET Core Hosting Bundle available for download from [Download .NET 8.0 \(Linux, macOS, and Windows\) \(microsoft.com\)](#) (the "Hosting Bundle" button). The installation doesn't require a server-restart, and it can coexist with any .NET Framework versions on the server.

Database server		Verified by
Microsoft Windows Server	2016 ⁷ , 2019, or 2022 64 bit	
SQL Server	2017 or 2019 with Cumulative Update 9 Standard Edition: Latest service pack, within 1 year of its release or 2022 where Query Store is Disabled Enterprise Edition is required to support more than 128 GB ram for the Database. For the Database to utilize all 128 GB ram the Database server must have more than 128 GB ram installed. F2 supports Transparent data encryption (TDE) with SQL Server 2019.	
.NET	4.5.x or newer	
Adobe PDF iFilter	11, 64 bit. Required for indexing and searching through PDF files. (Free download from Adobe)	
Microsoft Office Filter.	SP 2 Required for indexing and searching through MS Office and Outlook .msg files. A small range of OpenOffice files are also supported.	
Eml iFilter	cBrain provides software package and instructions.	

⁷ Windows Server 2016 is planned for deprecation in the next major release

Windows Update	To highest patch level	
Antivirus exclusions on access scan	Exclusions on database log & data files and more as stated by Microsoft on https://support.microsoft.com/en-us/kb/309422/	

Integration server		Verified by
Microsoft Windows Server	2016 ⁸ , 2019, or 2022	
Internet browser		
<p>Minimum: Microsoft Internet Information Server</p> <p>Following roles and features need to be activated</p>	<p>8.0, enabled for ASP.NET 4.0</p> <ul style="list-style-type: none"> • IIS-WebServerRole • IIS-WebServer • IIS-CommonHttpFeatures • IIS-StaticContent • IIS-DefaultDocument • IIS-DirectoryBrowsing • IIS-HttpErrors • IIS-HttpRedirect • IIS-ApplicationDevelopment • IIS-NetFxExtensibility45 • IIS-ASPNET45 • IIS-ISAPIExtensions • IIS-ISAPIFilter • IIS-HealthAndDiagnostics • IIS-HttpLogging • IIS-Security • IIS-BasicAuthentication • IIS-WindowsAuthentication • IIS-RequestFiltering • IIS-IPSecurity • IIS-Performance • IIS-HttpCompressionStatic • IIS-HttpCompressionDynamic • IIS-WebServerManagementTools • IIS-ManagementConsole • WCF-Services45 • WCF-HTTP-Activation45 • NetFx4ServerFeatures • NetFx4 • NetFx4Extended-ASPNET45 • WAS-ProcessModel • WAS-WindowsActivationService • WAS-ConfigurationAPI 	
.NET	<p>4.8 or newer AND</p> <p>.NET 6 runtime AND</p> <p>.NET 8 Hosting Bundle</p>	

⁸ Windows Server 2016 is planned for deprecation in the next major release

Microsoft Office	<p>Microsoft Office 2016 (Word, Excel, PowerPoint and Outlook).</p> <p>Only 32 bit supported.</p> <p>or</p> <p>Microsoft Office 2019 or 2021 Professional Plus (Microsoft Office 365 E3, E5, Business or Microsoft 365 Apps for enterprise is NOT supported on integration server).</p> <p>32 or 64 bit installed on the server.</p> <p>Note: The version installed on the integration server must be same version or newer than installed on the clients.</p>	
Exchange Online (mailboxes in Microsoft Office 365 cloud) is supported	Any project with integration to Exchange Online needs to be done in collaboration with cBrain.	
Microsoft Visual C++	2015 Redistributable 32 bit and 64 bit.	
Microsoft Visual C++	2017 Redistributable 32 bit and 64 bit	
Microsoft Visual C++	2019 Redistributable 32 bit and 64 bit	
Windows update	To highest patch level	
Antivirus exclusions on access scan	<p>On F2 log files location (Default is F:\F2\Customer.Environment\Logs)</p> <p>On F2 Home files location (Default is E:\F2\Customer.Environment)</p>	
Windows PowerShell	5.1 or newer	

PowerShell (.NET Core)	7.2 or newer	
------------------------	--------------	--

Mobile server		Verified by
Microsoft Windows Server	2016 ⁹ , 2019 or 2022	
Internet browser		
<p>Minimum: Microsoft Internet Information Server</p> <p>Following roles and features need to be activated</p>	<p>8.0, enabled for ASP.NET 4.0</p> <ul style="list-style-type: none"> • IIS-WebServerRole • IIS-WebServer • IIS-CommonHttpFeatures • IIS-StaticContent • IIS-DefaultDocument • IIS-DirectoryBrowsing • IIS-HttpErrors • IIS-HttpRedirect • IIS-ApplicationDevelopment • IIS-NetFxExtensibility45 • IIS-ASPNET45 • IIS-ISAPIExtensions • IIS-ISAPIFilter • IIS-HealthAndDiagnostics • IIS-HttpLogging • IIS-Security • IIS-BasicAuthentication • IIS-WindowsAuthentication • IIS-RequestFiltering • IIS-IPSecurity • IIS-Performance • IIS-HttpCompressionStatic • IIS-HttpCompressionDynamic • IIS-WebServerManagementTools • IIS-ManagementConsole • WCF-Services45 • WCF-HTTP-Activation45 • NetFx4ServerFeatures • NetFx4 • NetFx4Extended-ASPNET45 • WAS-ProcessModel • WAS-WindowsActivationService • WAS-ConfigurationAPI 	
.NET	<p>4.8 or newer AND</p> <p>.NET 6 runtime AND</p> <p>.NET 8 Hosting Bundle</p>	
Microsoft Visual C++	2015 Redistributable 32 bit and 64 bit	

⁹ Windows Server 2016 is planned for deprecation in the next major release

Microsoft Visual C++	2017 Redistributable 32 bit and 64 bit	
Microsoft Visual C++	2019 Redistributable 32 bit and 64 bit	
Windows update	To highest patch level	
Antivirus exclusions on access scan	On F2 log files location (Default is F:\F2\Customer.Environment\Logs) On F2 Home files location (Default is E:\F2\Customer.Environment)	
Windows PowerShell	5.1 or newer	
PowerShell (.NET Core)	7.2 or newer	