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## Technical Specifications

### FileMaker Server 18

#### What's included

For Windows and Mac

FileMaker Server 18 is available only as an electronic download. It includes product software and a link to an electronic license certificate that contains a license key needed for installation. [Product documentation](#) is available online.

Languages supported: Worldwide English, French, Italian, German, Spanish, and Japanese.

#### Compatibility

FileMaker Server 18 supports the following clients:

- FileMaker Pro 16
- FileMaker Pro 18, 17, and 16 Advanced
- FileMaker Go 18, 17, and 16
- Apps created using iOS App SDK 18, 17, and 16
- FileMaker WebDirect

The latest updates must be applied to the above clients before the clients connect to FileMaker Server 18. Some features may not be fully backwards compatible.

#### System requirements

Note: macOS Sierra 10.12 is no longer supported. Please update your operating system before upgrading to FileMaker Server 18.

##### Certified Operating Systems\*

Windows Server 2016 Datacenter Edition and Standard Edition (with Desktop Experience)

Windows Server 2012 R2 Standard Edition with Update (see Microsoft KB 2919355)

macOS Catalina 10.15

macOS Mojave 10.14

macOS High Sierra 10.13

\*Version stated is the minimum requirement. FileMaker Server may work with later operating systems certified by FileMaker, Inc. Operating systems not listed in the table above may also work but have not been tested and are not supported.

#### Hardware requirements

A dedicated computer is recommended for FileMaker Server.

##### Minimum Requirements

CPU: Dual Core

RAM: 8 GB

Hard Drive: 100 GB or more, dependent on file size, requires minimum of 50 GB of free space. Solid State Drive (SSD) recommended.

#### Operating system drive requirements

FileMaker Server uses the operating system drive to provide temporary storage for progressive downloading, uploading and downloading apps, log files, and cache storage used by components such as the Web Server. To maintain an optimal operating environment, FileMaker Server requires 100 GB or more of available storage on the operating system drive even if apps are hosted on or backed up to another drive. The server administrator must monitor the operating system drive to make sure that enough storage is available.

## FileMaker WebDirect

### Supported languages

Worldwide English, French, Italian, German, Swedish, Japanese, Dutch, Spanish, Simplified Chinese, Korean, and Brazilian Portuguese

### Supported web browsers

FileMaker WebDirect is accessible from a web browser. Supported web browsers include:

Desktop browsers	Mobile browsers
Safari 12.x minimum	Mobile Safari on iOS 12.x minimum
Chrome 73 minimum	Chrome 73 minimum on Android 7.x minimum
Internet Explorer 11.x	
Microsoft Edge 44	

### Mobile hardware requirements\*

Platform	Supported devices
iPad	iPad Pro (12.9", 11", and 10.5") iPad 9.7" iPad Air iPad mini 5 iPad mini 4
iPhone	iPhone Xs iPhone Xs Max iPhone XR iPhone X iPhone 8 iPhone 8 Plus iPhone 7 iPhone 7 Plus

## FileMaker Server

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Screen-size: 5 inches minimum

\* FileMaker WebDirect may work on other devices not listed in the table above, but these devices have not been tested and are not supported.

### FileMaker WebDirect mobile hardware accessories

- Smart Keyboard support for iPad Pro
- Apple Pencil support for iPad Pro

### Mobile network requirements

Network connection with consistent signal strength and connectivity is required.

Supported mobile networks		
Wi-Fi	LTE	4G

### Recommended hardware configurations

Network connection with consistent signal strength and connectivity is required.

Number of FileMaker WebDirect clients	Recommended FileMaker Server configuration
1-100*	Single-machine deployment.
101-500*	Multiple-machine deployment, each worker serves a maximum of 100 FileMaker WebDirect clients.

\*Connections may be limited by hardware, app design, operating system, or license agreement.

### More information

For more information on FileMaker WebDirect see the [FileMaker WebDirect Guide](#).

## Capacities

The table below lists the tested and theoretical maximum simultaneous connection limits for FileMaker Server 18. Tested maximums reflect the test configuration and do not represent a guarantee of performance.

FileMaker Server can host up to 125 FileMaker Pro Advanced files.

Client	Tested*	Maximum allowed*
FileMaker Pro Advanced	500	2000
FileMaker Go	500	500
FileMaker WebDirect	500	500
Custom Web Publishing (CWP)**	500	2000
FileMaker Data API	500	500
ODBC/JDBC	50	Unrestricted

\*Connections may be limited by hardware, app design, active users, operating system, or license agreement.

\*\*CWP is based on simultaneous request events, rather than persistent connections.

### User License

A user license allows clients — including FileMaker Pro Advanced, FileMaker Go, and FileMaker WebDirect — to connect to FileMaker Server. Users can be purchased through FileMaker Server Admin Console or on the FileMaker

Store. Learn more about [FileMaker User Licensing](#).

## Networking - client requirements

FileMaker Pro Advanced	FileMaker Pro Advanced client requires a software license.
ESS	<a href="#">See a list of supported drivers.</a>

## Additional requirements

Technology	Requirement
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<b>Java</b>	FileMaker Server no longer installs a Java Runtime Environment (JRE), needed for using Custom Web Publishing and FileMaker WebDirect. To use web-related services, you must install either OpenJDK or Oracle JRE. <a href="#">Learn more &gt;</a>
<b>PHP</b>	FileMaker Server 18 installs what you need to use Custom Web Publishing with PHP including the PHP engine, the FileMaker API for PHP, and documentation. Use the latest version of PHP that FileMaker, Inc. has certified.  Windows users need PHP 7.1.19 macOS Mojave 10.14 users need PHP 7.1.19 macOS High Sierra 10.13 users need PHP 7.1.16
<b>Admin Console</b>	FileMaker Server Admin Console is accessed through a web browser from a machine that has network access to FileMaker Server 18. Supported web browsers include: <ul style="list-style-type: none"> <li>• Safari 12.x</li> <li>• Internet Explorer 11.x</li> <li>• Chrome 73 minimum</li> <li>• Microsoft Edge 44</li> </ul> These versions are the minimum requirements. FileMaker Server Admin Console may also work with later browser versions certified by FileMaker, Inc.
<b>Supported ESS Data Sources</b>	Microsoft SQL Server 2017 Microsoft SQL Server 2016 Microsoft SQL Server 2014 MySQL Community Server 5.7.21 Oracle Database 11g Release 2 Oracle Database 12c Release 1  Oracle Database 12c Release 2 IBM Db2 i 7.3 (via Actual ESS Adapter) IBM Db2 Version 11.1 (via Actual ESS Adapter) PostgreSQL 9.6.12 (via Actual ESS Adapter)
<b>Security</b>	Supports AES-256 encryption of data at rest when the database files are encrypted by FileMaker's encryption functionality.  Sharing, reading from, and writing to AES-256 encrypted files is supported by all products in the FileMaker 18 Platform.  Supports third-party certificate authority SSL certificate vendors. See a list of <a href="#">supported SSL certificates</a> .

### Deprecated and removed technologies

FileMaker, Inc. continually invests in the latest technology in order to keep improving the FileMaker Platform. As a result, some features and operating systems are deprecated and will be removed in future versions of FileMaker software. See a list of [deprecated technologies](#).

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