Installing & Configuring FileMaker Server

Last Modified on 08/25/2020 10:14 am EDT

Uninstalling Previous Editions of FMS

If you are installing FileMaker 19 on the same machine that hosted your previous FileMaker databases, complete these steps. Otherwise, proceed to installing FMS 19.

1. In the Admin Console for your previous FMS edition, navigate to the Schedules, then review and document any custom server schedules in enough detail that you can recreate them precisely in FMS 19. "Custom" server schedules include any that you have configured and enabled, other than:
   - Automation Cycles A-D
   - Automation HALT
   Note: If you are 100% certain that the standard automation schedules above are already configured exactly as required (https://aace5.knowledgeowl.com/help/installing-configuring-aace-fms19), you may use the Save or Load Schedules action to download a Settings file for importing later.

2. Shut down your previous FMS edition via the Admin Console:
   A. Navigate to the **Databases** tab.
   B. At the top of the list of Databases, click on the **Database Options** chevron and select **Close All**.
   C. Wait for the Status indicators for all hosted files to change from blue (⊳) to red (⊖) to gray (◎).
   D. Navigate to **Configuration** > **General Settings**, then at the Server Information section, click the blue **Stop Database Server** link.
   E. Wait for the Admin Console page to display the refreshed Database Server Status screen.

3. Backup and archive your previous FileMaker databases:
   A. Navigate to the server's Data folder:
      - Mac — Macintosh HD/Library/FileMaker Server/Data/
      - PC — C:/Program Files/FileMaker/FileMaker Server/Data/
   B. Archive the entire Databases folder.

4. Uninstall the previous edition of FMS using the FileMaker Server uninstaller (Mac) or the Program Uninstaller (PC). (For details, see FileMaker's guide on Uninstalling FMS (https://help.claris.com/en/server-help/#page/FMS_Help%2Fdeploy-uninstall.html%23).)

Installing FMS 19

Once you have a 'clean' server, you are ready to begin the actual installation. (For additional details, review the FileMaker support documentation (https://help.claris.com/en/server-help/#page/FMS_Help%2Findex.html%23).)

Before starting the installation process, place your "LicenseCert.fmcert" file into the server's Downloads folder. This file will be used to enter your installation credentials.

1. Start the FMS 19 installation and continue through the initial screens.
   Note: If the system requests for the Installer to access your Downloads folder, click OK
2. On the Deployment Options screen, select **FileMaker Server master**.
3. On the User Account screen, specify the correct account:
   - Mac — Select the radial button for **fmserver**.
   - PC — Select the radial button for **Local System**.
     Note: If your implementation requires a different account, please note why and send that information to aACE Software.
4. On the Customer Information screen, enter the **Organization Name** corresponding to your FMS 19 license key.
5. On the Admin Console Account screen, enter the Admin Console credentials as follows (unless you have made different arrangements with aACE Software or your FileMaker developer).
   A. User Name: "Administrator"
   B. Password: Use this password generation site (https://1password.com/password-generator/) to create a password from these settings:
      - Change "Random Password" to "Memorable Password"
      - Length: 3
      - Capitalize: Checkbox cleared
      - Full Words: Checkbox cleared
   C. PIN: Any 4-digit number
      Note: We recommend basing the PIN on the installation date (e.g. June 2020 as "0620").
   D. To facilitate support, document these credentials and send them to aACE Software or your FileMaker developer before proceeding.
6. On the Installation Type screen, click **Install**, and complete the installation.

Additional Tasks for PC

- Port Errors — In some cases, you may receive an error indicating that ports 50003 and 50004 are in use. If you receive this error, please deactivate IPv6 (https://tweaks.com/windows/40099/how-to-properly-disable-ipv6/) and try again.
- Bonjour — If you are prompted to install the device location service Bonjour, click Yes.

FileMaker Server Folder

Note the location of the FileMaker Server folder created during the installation. It will be referenced multiple times throughout the remainder of this process.

- Mac — Macintosh HD/Library/FileMaker Server/
- PC — C:/Program Files/FileMaker/FileMaker Server/

Configuring FMS 19

After the installation, you will be prompted to launch the FMS 19 Admin Console. (Note: If the Admin Console does not open, you can launch it manually by navigating in a browser to: http://localhost:16001/)

1. At the Admin Console login page, create a browser bookmark in the Favorites list with the name "FMS Admin Console".
2. Log into the Admin Console using the credentials you set up during the installation (see above).
3. The console prompts you to install an SSL certificate.
   - If you are upgrading from FMS 18 and have a previously installed SSL certificate, you can re-install those certificate files at this point.
   - If you don't have SSL certificate files on hand, select **Use the Claris default certificate** and click that you understand the risk. (You will set up SSL in a later step (https://aace5.knowledgeowl.com/help/configuring-an-ssl-certificate-fms19).)
4. In the Admin Console, configure these settings:
   A. Navigate to **Configuration** > **General Settings** and change the **Server Name**. We recommend using "aACE Server" or the fully-qualified domain name to the server computer.
   B. Navigate to **Connectors** > **Web Publishing** and enable **Master Machine**.
      Note: Upon enabling Master Machine, you may be prompted to install a Java Runtime Environment:
      a. Click the radio button for **Use OpenJDK**, then click **OK**.
      b. Follow the in-dialog instructions for downloading and installing OpenJDK. Mac Note: The .tar.gz file must be imported as-is. Before downloading the .tar.gz file, you may need to update your Safari preferences to prevent the browser from automatically unarchiving the file — navigate to Safari > Preferences > General, then clear the flag to 'Open "safe" files after downloading'.
   C. Navigate to **Connectors** > **FileMaker Data API** and enable **FileMaker Data API**.

a. To complete this connection, open the command line interface and enter this command:

```
fmsadmin set cwpconfig enablexml=true
```

b. When prompted, enter your Admin Console credentials (see above).

D. Navigate to **Connectors** > **Plug-Ins**, and in the Server Plug-ins section enable these two options:

- FileMaker Script Engine Plug-ins
- Install Plug-in File Script Step (Note: This option displays after enabling the first.)

E. Remove the default Sample database from the Admin Console:

a. Navigate to **Databases**.

b. At the database named FMServer_Sample, click the drop-down arrow () next to the file name and select **Close**.

c. When the indicator turns gray (⊚), click the drop-down arrow again and select **Remove**, then click **OK**.

F. Remove the Sample database folder from the server:

a. Navigate to **Configuration** > **General Settings**, then click the link to **Stop Database Server**.

b. At the message dialog, click **Stop Database Sever**.

c. In Finder/Explorer, navigate to FileMaker Server/Data/Databases.

d. Manually delete the **Sample** folder.

e. At the browser view of the Admin Console, click **Start Database Server**.

Disabling Spotlight Indexing (Mac Only)

Mac servers have a scheduled file indexing feature enabled by default. This feature checks files at regular intervals for use in Apple's Spotlight search feature. This has proven to have a negative impact on performance on some servers, especially those hosting larger aACE systems or supporting more simultaneous aACE users.

We recommend that you disable Spotlight indexing on your server to prevent these potential drops in performance:

1. Launch the **Terminal** application.
2. Enter this command:

```
sudo mdutil -a -i off
```

3. At the prompt, enter your workstation administrator credentials.