

FileMaker Foundations

Build on Desktop, Deploy on Ubuntu

FA-0821 · 1 day

Software Development · DevOps, Cloud & Infrastructure · Automation, RPA & Power Platform

Create a simple custom app and take it from local development to shared hosting.

Introduction

Claris FileMaker brings data, screens and workflow automation together in a platform for building custom business applications. Understanding how these parts fit together helps participants move from storing information to creating an application that people can use and share.

This practical foundation course follows a straightforward path: build a simple application in FileMaker Pro on a Windows or Mac desktop, then deploy it through FileMaker Server on Ubuntu 24.04 LTS. Participants learn to organise data, design usable layouts, automate a small task and control access before making their application available to remote users. The hosting component uses a self-managed Ubuntu server, which can run on-premises or on a cloud virtual machine.

Training uses active trials, with the installers and FileMaker Server trial access arranged before the course. Practical work centres on one small application and a single-server deployment within one day, supported by the required hands-on Ubuntu administration experience.

Learning outcomes

By the end of the course, participants will be able to:

- Distinguish the roles of FileMaker Pro, FileMaker Server and FileMaker Cloud.
- Create a simple database with tables, fields and a relationship.
- Design layouts for entering, finding and viewing records.
- Add a simple calculation, script and user access controls.
- Install FileMaker Server on Ubuntu 24.04 LTS and upload an application.
- Verify remote access and configure a basic backup schedule.

Prerequisites

- A laptop running a Claris-supported Windows or macOS version, with a supported browser and an SSH client.
- Hands-on Ubuntu administration skills: SSH, sudo, package installation, service management and firewall rules.
- Access to a dedicated Ubuntu 24.04 LTS training server meeting Claris's system requirements, with sudo privileges.
- Active FileMaker Pro and FileMaker Server trials, with installers and Server trial access arranged before training.
- Unrestricted internet access.
- Ability to establish SSH connections to remote training servers at public IP addresses, with outbound SSH permitted by the device and network.

Training outline

1. 1. Introduction to the FileMaker Platform

1. FileMaker Pro, FileMaker Server and FileMaker Cloud
2. Local applications and shared hosting
3. Trial licensing and version compatibility

2. 2. Creating a Desktop Database

1. FileMaker Pro interface and operating modes
2. Tables, records, fields and data types
3. Primary keys and a simple table relationship
4. Data validation and CSV import

3. 3. Designing Layouts and Working with Data

1. Form and list layouts
2. Field controls and value lists
3. Record creation and editing
4. Finding, sorting and viewing records

4. 4. Calculations, Scripting and Access Control

1. Simple calculations and functions
2. Script Workspace and basic script steps
3. Buttons and script execution
4. Accounts, privilege sets and hosting access

5. 5. Installing FileMaker Server on Ubuntu

1. Server requirements and network preparation
2. Linux installer and trial configuration
3. Admin Console and server status
4. Firewall access and SSL/TLS configuration

6. 6. Hosting and Maintaining the Application

1. Application upload from FileMaker Pro
2. Remote connections and access verification
3. Backup scheduling and restore fundamentals
4. Server logs and basic connection troubleshooting

Disclaimer

This outline serves as a training guideline. The trainer reserves the right to amend the content, sequence or emphasis without prior notice to reflect participant needs, available software and the practical requirements of delivery.