Technical Fact Sheet

Product Name: Advanced Forms
Current Version: V2404.4
Release Date: April 2024

Product Description

A dynamic no-code mobile forms platform and application that is used across field service organizations. Advanced Forms has two primary components:

- **Web Admin Site:**
  This provides the ability to create unlimited mobile forms and reports.
- **Mobile App:**
  The app is used by technicians and other mobile work force users on smartphones and tablets.

Technology

The complexity and amount of information on the forms you create in the designer may affect the performance of the app on the device. For example, a form with a very large data set, or that contains many photos may affect app performance if your devices are at the minimum requirements and have limited memory.

The minimum recommendations are as follows. Please consider scaling your hardware based on the complexity and size of your forms and reports.

	Web Admin Site	Forms App
Development tools	Visual Studio Angular SQL Server	Visual Studio Angular Framework Ionic Cordova Electron
Compiled code	Web Services behind it .NET Framework C# Web Services, standard technology Web admin site is Angular	Web Services behind it .NET Framework C# Web Services, standard technology Data Entry is Ionic Cordova
Hardware requirements	If deployed on premise: Windows Server SQL Server 2016 or greater Storage: At a minimum RAID 3 with 7200 RPM drives for SQL Server. IIS Server Windows 2016 or greater 8GB RAM minimum on the server – Performance affected by the number of users and other products using the server.	Smartphones and Tablets iOS, Android, or Windows Ram: 4GB minimum and 6GB+ if taking pictures or videos within forms. Storage: The app is around 40-50 MB installed. Storage usage will depend on forms that are being used. Recommend 100 MB minimum.
Browsers/operating systems supported	• Chrome • Edge: Version 80 minimum • Firefox • Safari	• iOS: Version 15 to 17 • Android: Version 12 14 • Windows: Version 10 or greater

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Other Technologies

Reports	Advanced Forms includes a report builder.
Web API	This is the intermediate language used to tie multiple data sources into one common set of services. It is also used to pass the authentication from the ERP to the Advanced Forms app.
Authentication protocol	OAuth 2.0
Azure SQL	This is the data repository for the production environment that provides scalability.
SSL Certificate	This is used to enable websites to move from HTTP to HTTPS, for better security.

Deployment

Web Admin Site	**Advanced Forms App**
Windows Installer	**iOS** Downloaded via the App store for iOS. **Android** Downloaded via the Google Play store for Android. **Windows** Downloaded via the Windows store for Windows, or via the MSI installer package.