



# appsFreedom Platform v4.5 Product Capability Document

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### Introduction

**appsFreedom™** is a leader in connecting “disconnected” processes, people and things with its patented and award-winning Model-Driven, Enterprise Rapid App Development Platform, empowering anyone without specific mobile programming skills, to easily build sophisticated enterprise offline and online Mobile as well as Web apps, fully integrated to IT’s core applications, in hours and days. The appsFreedom Platform is a high productivity platform to collaborate, build, deploy and run apps in a multi-channel, multi-device environment. Apps are built once and deployed for all devices in the cloud, on-premise or in a hybrid model.

It is an end-to-end solution that covers:

- End-to-end App development
- Offline Mobile apps enabling anyone to work from remote locations for hours & days
- Deep integration into any backend application
- Integrate to IoT enabled devices, even from locations with limited or no connectivity
- Deployment, security, authentication and authorization
- App analytics

The appsFreedom Platform combines the power of cloud-computing, mobile technology, offline computing and rapid app development to turn developers into super-developers and empower non-professional developers to build offline and online apps in days, fully integrated to their enterprise systems on various smartphones, tablets and web browsers. That means everyday processes are streamlined from nearly any angle, making the business more nimble, flexible and responsive than ever before

### Solution Capabilities

The appsFreedom Platform provides four core solution capabilities as follows:

#### Pre-built Apps

appsFreedom provides pre-built, ready-to-go app templates that can be used out-of-the-box or customized to meet specific business needs. These app templates are purpose built for specific business roles and can be used as a standalone app or integrated to existing business applications. All App templates are built on the award winning appsFreedom platform.

#### Mobile Enablement

The appsFreedom Platform is a rapid app platform purpose built for enterprise mobility. appsFreedom supports the following patterns of mobile enablement:

#### Extension Apps

appsFreedom extends or enables your core business applications into any mobile device of your choice. It extends on-premise business applications (e.g. SAP, Oracle, JDA, Microsoft Dynamics, custom built or legacy applications) as well as cloud applications (e.g. Salesforce, Workday, Concur, etc.) into any Smartphone, Tablet or web-browser.

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### **Composite Apps**

appsFreedom enables composite mobile apps, i.e. combining multiple backend business applications (e.g. On-Premise SAP and Salesforce) into a single mobile app with a common user interface, such that the end-user can easily traverse between multiple backend business applications, in a single app. The platform enables data synchronization & uniformity across multiple backend business applications for a single mobile app

### **Standalone Apps**

Often an enterprise may not have the right backend business application to store all mobile data elements (e.g. GPS co-ordinates) or may want to re-invent a business process around mobility. Such business needs are fulfilled by standalone apps that are independent and may or may not integrate to backend business applications. appsFreedom enables standalone mobile apps for such business needs

### **Disposable Apps**

Organizations in certain industries often have mobile app needs for specific projects that are short-term in nature. E.g. Construction or Emergency responders wherein field personnel may need a mobile app after a hurricane or specific disaster, purpose built to coordinate and improve productivity for the specific event. appsFreedom enables disposable apps wherein apps can be built and deployed in hours for specific projects that can be disposed very easily after the project objectives are met.

### **Digital Transformation**

The appsFreedom Platform can enable your organization to re-invent your business processes around mobile devices and create new innovate apps. The platform enables your process experts to leverage all the capabilities of a mobile device and design new business processes, thereby optimizing the process and improving employee productivity. These re-invented process apps may or may not integrate with your backend business application. The appsFreedom Platform gives you complete flexibility and support with data storage layer (for structured and unstructured data), business logic, UI visualization, and other capabilities to create new, standalone apps to support your new business processes.

### **Mobile SaaS Applications**

The appsFreedom Platform enables ISV's (Independent Software Vendors) to build SaaS applications that are mobile-enabled out of the box. It allows an ISV to build a revenue stream by building, deploying and selling its mobile-enabled application as a Service, in a cloud-hosted model. This capability may not apply to enterprises looking to mobile-enable their employees, partners or customers but is focused for software vendors looking to build software solutions for their enterprise customers.

### Pre-built Apps

Pre-built App templates are purpose built for specific business roles. They give a jumpstart for app deployment and can be used out-of-the-box without any need for changes. These pre-built apps can also be configured to meet unique business needs including backend integration to core IT applications such as SAP, Oracle, Microsoft Dynamics, Salesforce and others. These pre-built app templates are available for the following roles

### Field Technicians

Apps for this role cover the full maintenance / repair business process such as work order managers, work order notifications, work order creation, operations, activity, time capture, etc.

### Drivers

Apps for this role cover various business processes such as store delivery, drop-offs, reverse logistics / Store pickups, Returns, Transfers, etc.

### Quality Inspectors

Apps for Quality inspectors include plant inspections, site inspections, lean / Six sigma apps such as 5S Surveys, Lean assessment, etc.

### Warehouse Personnel

Apps for warehouse personnel covers goods receipts, goods issue, goods transfer and other warehouse processes

### Master Data Managers

Apps for master data managers include material master, vendor master, material traceability, etc.

### Inventory Managers

App for inventory managers include inventory manager, PR / PO approvals, Goods receipts, Stock visibility, etc.

New apps are constantly added to the App library . Please check with your appsFreedom representative for the latest list of pre-built app templates.



### App Capabilities

The appsFreedom Platform generates full-featured, enterprise mobile apps, called Freedom Apps, with the following capabilities:

#### Multi-Channel, Multi-Device Apps

The appsFreedom Platform simultaneously generates mobile apps and web apps for all major mobile operating systems and form factors as below:

- iOS : iPhone, iPad and iPad-mini
- Android: All Android smartphones, tablets and phablets
- Windows : Windows smartphones and tablets (v10.0 and above)
- Modern browsers: Web apps for major browsers like IE, Firefox, Chrome, Safari, etc.

See Appendix A for the complete list of devices supported.

#### Online Apps

The platform generates online or real-time Freedom Apps for all smartphones, tablets, phablets and web browsers. The online apps do not store or cache any business data in the device, in the platform or anywhere else. It efficiently and intelligently interacts with the backend source business application so that performance is not compromised and gives a real-time connection between the app and the backend application.

#### Offline Apps (Premium & Enterprise Edition Only)

The platform can generate offline Freedom Apps that support extended offline mode, i.e. it can enable the end-user to be offline for hours and days, with all the data self-contained in the app for the user to continue their work in an offline mode. In this mode, all the business data is packaged and kept in the device (very securely) and it interacts with the backend business application as and when connectivity is available. The Offline apps come with the following out-of-the-box modules in the device iOS, Android and Windows 10 devices-

#### Offline Authentication

User authentication in an offline mode with a 4-digit user generated passcode. This is used as an authentication mechanism when the device is in a disconnected mode.

#### Business rules engine

A miniature business rules engine to operate under the constraints of a mobile device, used to execute all the business rules in offline mode. The business rules are defined in one place and sent to App to be executed in offline mode. Enables offline processing for hours and days.

#### Encrypted database

A secure, encrypted device database to store all business data. The database installs and operates with no human touch required

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### Data sync and orchestration engine

A Data synchronization and orchestration engine to synchronize all business data appropriately with backend applications

### Offline Attachments

The appsFreedom Platform supports full offline attachment capabilities for iOS, Android and Windows mobile devices. The users can download and upload documents, images and files in full offline mode

### Process continuity engine

A process continuity engine enables users to continue their business process, across business functions and apps, without interruption in offline mode. Enables users to operate in offline mode for hours and days.

### Message queue

Message queues are generated in device to guarantee delivery and replay/ roll forward data transactions. This is used for guaranteed delivery of data from app all the way to the backend application

### Conflict resolution

Conflict resolution engines are generated to handle data conflicts during data sync process. It acts in conjunction with a data reconciliation engine in the Freedom Manager (Server) wherein all the conflicts from multiple apps & devices are identified as errors before they are sent to the backend application. It can also be configured to identify data changes in the backend application, before data from apps is posted and flagged as errors.

### Error handling engine

The error-handling engine allows users to view, manage and rectify data errors after a data conflict. This engine displays the current backend application values and the user-entered values side-by-side so that the user can choose which values to be sent to the backend application

### Data Consistency Engine

Often mobile devices switch between a Wi-Fi network and a 2G/3G/4G network. When a data synchronization operation is being performed during this network switch, it often results in loss of data or duplicate data in the backend system. The appsFreedom platform provides a built-in data consistency engine to maintain consistency of data during a network switch, all out-of-the-box with not a single line of code to be written.

### Data cleanup engine

Data cleanup engine to track stale data and clean it up, as per the defined business rules. The administrator defines the number of days in which the data becomes “stale” in the offline app and the data cleanup engine prompts the end-user to sync up the data. If the end-user does not sync up the data in appropriate time, the data cleanup engine will clean the stale data with appropriate warning.

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### **Guaranteed Delivery**

The offline apps comes with an complete, robust integration architecture, leveraging the above engines such as data synchronization & orchestration engine, Message queue, etc. to guarantee data delivery from the Freedom Apps to the cloud or on-premise backend applications.

### **Transactional Apps**

The platform can generate transactional apps, either as an online app or offline app. All transactional apps support bi-directional integration with backend business applications, i.e. ability to read as well as write data back to the backend business application.

### **Analytical Apps**

Mobile analytical apps can be generated with graphs and chart capabilities available in the platform. Analytical apps can be generated across all mobile devices in the form of a dashboard or analytics-on-the-go apps.

### **Web Apps**

The platform generates web apps for apps that are executed on the browser. These are fully featured web apps that can run on all the major browsers indicated above.

### **Hybrid Apps**

The platform generates hybrid apps to be executed on mobile apps. Hybrid apps use a native app container (Apache Cordova) that is extended with app plugins for additional security and other features and functions.

### **Native Apps**

The appsFreedom platform supports Native apps that can be created using other Native app development tools. Native apps that are developed using other tools can be integrated with the appsFreedom Platform to leverage all the capabilities available in the appsFreedom Platform.

### **Composite Apps**

The appsFreedom Platform supports composite apps, i.e. one single app, with a single user-interface that integrates to multiple backend business applications. For example, a single app to go across Salesforce CRM and SAP ERP giving a consistent, simple user-interface to the end user. This allows users to navigate across multiple backend business applications without having to switch apps or even know that they are actually working on multiple backend business applications.

### **Barcode Scanning**

The Freedom Apps generated by the platform for mobile devices can support barcode scanning using the camera of the smartphone or tablet as well as external barcode scanners.

### **Device Camera Barcode Scanning Support**

The appsFreedom Platform enables barcode scanning using the standard camera of any Smartphone or tablet. The user can scan barcodes using the device camera and it supports all major barcode types such

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as UPC, EAN, Code 128, Code 39, ITF, QR, etc. The device camera is typically used for close proximity barcode scanning

### **Specialized Barcode Scanners Support**

The appsFreedom Platform also support external / specialized barcode scanners such as rugged devices or barcode scanners Zebra & Symbol. This utilizes all the special barcode scanning support provided by the hardware vendor. Specialized barcode scanners are used in rugged environment or in long-range barcode scanning requirements.

### **Device Movement**

The Freedom Apps can identify any device movement such as tilt, motion, rotation and other device gestures. It allows the app developer to identify these actions and build appropriate logic in the apps to handle these gestures.

### **Document Viewer**

Freedom Apps provide a document viewer on all mobile operating systems to view attachments and other documents inside the app.

### **Screen Capture**

Freedom Apps enable the user to capture the mobile app screens by generating a PDF document and/or images for the captured screens.

### **Signature Capture**

Freedom Apps can capture signatures from within the app using the user's finger or a stylus on the device. The app generates a PDF and/or an image of the captured signature that the app developer can use appropriately with dependent logic to handle the signatures.

### **Phone Call**

Freedom Apps enable end-users to access the phone app in their smartphone from within the Freedom App. In other words, it enables end-users to make phone calls from within the Freedom App.

### **Address Book**

Freedom Apps allow end users to access their contacts or address book in their smartphone, as configured and permitted by the app developer.

### **Files**

Freedom Apps allow end-users to access and upload files and images from the device into the backend application, as configured and permitted by the app developer. This can be done by the end user from within the Freedom App.

### **Personalization**

Freedom Apps comes with app personalization at the field-level. For example, end-users can pick and choose which fields they would like to see and the apps are personalized to the individual user. This

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reduces the IT workload to meet varied app needs and results in higher user adoption with personalized user interfaces.

### **Pull-down / swipe**

The apps support native gestures such as pull-down and swipe to refresh app contents or any other actions to be performed on native gestures

### **Multi Language**

Freedom Apps support 60+ languages out of the box. Apps can be enabled for multiple languages during app rollout. The Apps support double-byte character set including automatic field label translations that work in both online and offline apps.

### **User Preferences**

Freedom Apps support user preferences such as date format, language, currency, etc. that can be synchronized with the backend business application, if required.

### **Print**

Freedom Apps allows end users to print documents from the device. The documents are printed to Wi-Fi enabled printers that may be directly connected to the mobile device.

### **App Catalog**

Freedom Apps provide an app catalog to users that list the allocated apps to the end-user as well as available apps (i.e., not assigned to the user). This enables the end-users to see what relevant apps are available in the app library and request access to relevant apps from the administrator.

### **Bluetooth / IoT Adapters**

Freedom Apps provides a unique capability with pre-built device adapters to connect to smart equipment using Bluetooth. Freedom Apps support 2-way communications with the smart device. I.e. trigger an activity in the smart equipment or act as a listener to gather data from the smart equipment. This data/tags can then be passed on to backend applications as required. This is typically useful when the smart equipment may be in a location with no Internet connectivity where the Freedom Apps can act as a bridge to collect the data and pass it on to backend servers.

### **Notifications**

The appsFreedom Platform provides real-time notification capabilities that can be leveraged by the app developer in appropriate app use-cases.

### **Mobile Notifications (Enterprise Edition Only)**

The appsFreedom Platform provides mobile notifications to the end-users that can be leveraged appropriately as per the required business logic. The notification capabilities provided in the platform are:

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## Mobile Operating Systems

The appsFreedom Platform supports native mobile notifications for the following operating systems:

- iOS
- Android
- Windows 10

## Notification Types

The appsFreedom Platform supports all the notification types provided by the mobile operating system. The mobile device controls the precise functionality of mobile notifications. For example, in IOS, the notification could be a banner or a pop-up message, as configured by the user in the device settings. The appsFreedom Platform supports mobile notifications across various versions of the mobile operating systems.

## Email Notifications

The appsFreedom Platform supports email notifications that can be triggered by specific, customizable events in the apps. This feature will send an email notification to a relevant user based on the business logic incorporated by the app developer.

## App Development Capabilities

The appsFreedom Platform provides a codeless, model-driven approach to app development. It enables anyone without specific programming skills, to quickly build and deploy apps in a very short timeframe. The development platform is designed for non-professional programmers with a technical aptitude and good application and process knowledge to build apps. Some of the app development capabilities are:

### Browser Based Development

The appsFreedom Platform provides a 100% browser based app development environment. There is no development component (e.g. IDE) to be installed on the laptop nor any need to install any IDE plugins or browser plugins. It is a clean, fresh and simple browser-based drag-n-drop development environment that an app developer can use from any laptop to build and deploy apps.

### User-experience Driven App Development

The development process in the appsFreedom Platform is centralized around user-experience and starts with what the end-user wants in their apps. The app building process starts with an app process to model the end-user experience and then works backwards towards backend business applications and data. This methodology is designed for a higher user adoption and a better user experience for end users.

### Process Modeling

The appsFreedom Platform enables app developers to document the app process in a graphical process flow. This is enabled by the Process Modeler module in the appsFreedom Platform. The Process Modeler

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supports all the typical process flow components (e.g. Microsoft Visio) but is enhanced with mobile specific components like “Take a Picture”, “Capture GPS”, etc. This enables the app builder to document a detailed app process, including interconnectivity across apps, that mirrors the end-user process and at the same time enables app developers to re-envision the business process, leveraging all the capabilities of a modern mobile device.

### Page Templates

The Process Modeler module of the appsFreedom Platform provides pre-built themes and page templates that can be used as a starting point during app development process. The page templates are completely customizable to fit any unique app needs

### App Generation

The Process Modeler module of the appsFreedom Platform enables the app developer to simultaneously generate one or multiple apps based on the app process. The apps generated are for all Mobile OS (iOS, Android and Windows) as well as modern web browsers. This feature allows app developers to generate multiple interconnected apps, from a single process and kick-starts the app development process.

### U/X Design

The appsFreedom Platform, via its App Designer module, provides a WYSIWYG, visual app design editor to enhance the app. It enables the app developer to customize the app with specific themes, UI elements and other aspects pertaining to the look-n-feel of the app. The App Designer provides a library of pre-built mobile components and assets that can be simply dragged and dropped to customize the app design. It also allows app developers to load customized themes and graphical assets that can be leveraged in the look-n-feel of the app.

### Customization

Although the appsFreedom Platform provides a drag-n-drop WYSIWYG environment to build apps, it provides adequate customization features for developers to customer the look-n-feel of the app beyond what is available out of the box from the platform. Some of the customization options are:

#### Themes

The appsFreedom Platform allows developers to load custom themes that can be applied across an app. These themes once loaded can be made available to all developers in the organization to be applied as and when apps are developed.

#### Cascading Style Sheets (CSS)

Customized CSS can be loaded into the platform to give a unique look-n-feel to the apps generated by the platform. The platform will consider the customized CSS and will generate the apps based on the specifications in the cascading style sheets

#### Graphical Assets

Customized graphical assets such as images, logos, etc. can be loaded into the platform and used appropriately in the app development process.

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### U/X Library

3<sup>rd</sup> party U/X libraries can be imported into the platform and utilized during app development. All features and functions of the imported U/X library, including custom libraries can be used in the app development process

### JavaScript

The appsFreedom Platform allows developers to write code in JavaScript and customize the app for any unique business needs. The code-writing capability can be leveraged to add additional features, customize unique features and anything else that a developer might need that may not be available as an out-of-the-box feature from the platform.

### Collaboration

The appsFreedom Platform provides a tool, aptly called the Collaborator that enables collaboration in the app design process between the app developer/designer and the business stakeholder/end-user. Using the Collaborator tool, the selected business stakeholder and/or end user can play around with the app (i.e. view, navigate, enter data, etc.) in real-time as and when the app developer/designer is making changes to the app. The business stakeholder/end user can also give real-time feedback to the app developer/designer that can be incorporated by the app developer, which is again visible to the business stakeholder/end user in real-time. Some of the advantages of the Collaborator tool are:

- Allows selected users to test the app with navigations and sample data
- Provides real-time feedback at the app and app components level
- Shortens QA and user acceptance test cycles
- Improves user adoption by providing an early glimpse of the app

The Collaborator tool is available and runs on all mobile devices.

### App Simulation

The App Designer module provides a browser based device simulator to test the app during the development process. All aspects of the app, including navigation, data and UI elements, can be tested using the device simulators. The available device simulators from the platform are:

#### Smartphones

- iPhone
- Android devices
- Windows devices
- Windows devices

#### Tablets & Phablets

- iPad
- Android tablets and phablets
- Windows 10 tablets



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### Browsers

- Internet Explorer
- Chrome
- Firefox
- Safari

### Integration Capabilities

The appsFreedom Platform provides a comprehensive capability, via its Integration Builder tool, to add business and integration logic to the apps. This capability is also enabled in a visual, drag-n-drop manner that anyone can quickly use to build integration and business logic behind the apps. The Integration Builder is a central module for all business and integration logic and some of its capabilities are:

#### Browser Based Development

The Integration Builder module is a 100% browser based integration environment that allows the developer to build business integration logic as well as integrate to backend cloud and on-premise business applications. There is no development component (e.g. IDE) to be installed on the laptop nor any need to install any IDE plugins or browser plugins. It is a refreshing integration builder interface with simple drag-n-drop components.

#### Distributed Business Rules Execution

The Integration Builder enables distributed business rules execution for faster and parallel execution of business logic. Business and integration logic can be executed near the backend business application (e.g. on-premise), in the appsFreedom Platform (cloud) and in the Freedom Apps (Device). This capability is enabled by a distributed business rules engine that speeds up the execution, distributes the system load, allows execution in parallel and ultimately allows for better end-user performance.

#### Business & Integration Logic

The Integration Builder provides several out-of-the-box business logic components called “actions” and “action groups” that can be combined to build and execute any business logic. These actions are encapsulated and self-contained and are used in any sequence to build the desired business logic. For example, it contains Logical actions such as ASSIGN, IF-ELSE, LOOP, REPEAT, TERMINATE etc. as well as Utility actions such as LOOKUP, SORT, FILE PARSE, etc.

#### SaaS Adapters

The Integration Builder provides adapters for 3<sup>rd</sup> party SaaS application integrations. These adapters are provided as actions that can be simply dragged and dropped while building the integration logic. The adapter actions are self-contained to be used anywhere when building the integration logic and it provides the relevant meta-data that can be visually mapped to the resultant Freedom Apps. Some of the out-of-the-box SaaS adapters available are:

##### Salesforce Adapters:

The appsFreedom platform provides out-of-the-box adapters for Salesforce integration. The Salesforce adapters supports all the functions of Salesforce integrations such as Object List, Object create, Object Update and Object delete.

##### Web-Service Adapters:

The Web-Service adapter supports SOAP protocols and is used to connect to SaaS applications via Web-Services. It supports all read and write functions as provided by the 3<sup>rd</sup> party SaaS application

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### **REST-Service Adapters:**

The REST-Service adapters support integration to any SaaS applications that is exposed via REST Services. It works very similar to Web-Service adapters expect that it support REST protocols

### **Database Adapters:**

Database adapters are available to connect to cloud-based database applications, i.e. any SaaS applications that give access to its relational databases via the cloud.

### **FTP Adapters:**

The platform comes with FTP/File adapters to read and write files from 3<sup>rd</sup> party cloud applications. This adapter is typically used to transfer files as required by the app.

### **On-Premise Adapters**

The Integration Builder enables integrations to on-premise business applications via its Freedom Plugin module. The on-premise adapters are enabled as actions in the Integration Builder that can be graphically used to interact with various on-premise .These adapters are native adapters that provide a deep integration to the on-premise business applications to discover the meta-data and map them to the resultant Freedom Apps. These mappings can be done graphically while building the integration logic. The various out-of-the-box native adapters are:

#### **SAP Adapters:**

Freedom Plugin, the on-premise component of the appsFreedom Platform comes with various native SAP adapters to integrate to on-premise SAP applications such as ECC, CRM, SRM, BI, etc. Some of the native SAP Adapters are:

#### ***BAPI/RFC Adapter:***

This adapter is used to connect to SAP applications such as ECC, CRM, SRM etc., using BAPI (Business Application Programming Interface) and RFC (Remote Function Calls) of SAP. The BAPI/RFC adapter can call any standard or custom BAPI/RFC interfaces from SAP applications

#### ***Business Function Enabler (BFE) Adapter:***

The BFE adapter is a unique adapter that allows the appsFreedom Platform to connect to native, custom objects from SAP that are NOT remote-enabled or BAPI-enabled. For e.g. it can connect to “Z” function-modules or “Z” ABAP/4 reports and programs directly without having the need to write additional ABAP code to remote-enable it. It saves precious time and resources in writing ABAP code simply remote-enable a function module or program. It also saves effort on adding more ABAP code on a customized “Z” program and makes it easier for maintenance.

#### ***Enterprise Services Adapter***

SAP functionality exposed via SAP Enterprise Services can be consumed in the platform using this adapter.

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### **BI Adapter**

The SAP BI Adapter from the Freedom Plugin can consume SAP BEx queries that are enabled as QaaS (Query-as-a-Service) in SAP BI. It essentially allows leveraging the BEx queries already in the system and enabling it as a mobile app.

### **Microsoft Dynamics Adapters**

The Freedom Plugin comes with pre-built adapters for Microsoft Dynamics applications. It supports all the functions of MSFT Dynamics such as listing of objects, Read/Write/Delete objects, etc.

### **Web-Service Adapters:**

The Web-Service adapter supports SOAP protocols and is used to connect to on-premise applications via Web-Services. It supports all read and write functions as provided by a middleware or the business application.

### **Database Adapters:**

Database adapters are available to connect to relational database applications such as Oracle, SQL Server, MySQL, etc. i.e. it supports any business applications that give access to relational databases.

### **Wearables & IOT adapters**

The Integration Builder also provides adapters for Bluetooth / IOT and wearables such as activity monitors. These adapters are enabled as actions in the Integration Builder and can be used as appropriate by the app developer to capture information from any Bluetooth enabled devices such as wearables, smart devices, etc. and used in the app.

### **Platform Extensions (Enterprise Edition Only)**

The appsFreedom Platform provides an SDK that can be used by customers and partners to build their own integration adapters, specific business actions and other capabilities for their unique business needs. The SDK allows the customer or partner to extend the platform, as appropriate, for any capability that is not available out-of-the-box from the platform. These platform extensions are available as a graphical component (actions and action blocks) that can be dragged and dropped just like any other graphical capability in the Integration Builder. These platform extensions are also secure and available only to the tenant/customer/partner building and importing it.

### **Testing & Debugging**

The appsFreedom Platform built-in capabilities to test and debug integrations to backend business applications. This includes testing across multiple backend applications, typically used in composite mobile apps.

### Backend-as-a-Service (BaaS)

The appsFreedom Platform BaaS capabilities can be consumed by other 3<sup>rd</sup> party applications. Anything and everything built and generated using the Integration Builder (called the BOS or Business Object Service) can be enabled as BaaS with a simple 1-click process. It can be used in a variety of ways such as:

#### Native Apps

Native apps built using development tools such as iOS SDK or Android SDK or even 3<sup>rd</sup> party app development tools can consume the BOS built in the Integration Builder. This capability allows the native apps to leverage all the integration, authentication, notification, deployment and other governance capabilities of the platform into the native apps. The BaaS is enabled and available as REST services that can be consumed in the native apps.

#### 3<sup>rd</sup> Party Applications

3<sup>rd</sup> party business applications and platforms can consume a BOS from the Integration Builder if it is enabled as a BaaS. Here again the 3<sup>rd</sup> party application can leverage the integration already built in the Integration Builder and have 100% re-usability within the platform as well as outside the platform.

### Data Storage

The appsFreedom Platform comes with data storage capabilities that can be used for app development. Data storage capabilities are available as part of the platform but optional to use depending on app requirements. The two types of data storage supported are:

#### Structured Data

The platform comes with a pre-built relational database, called the Freedom Database. The database is secure, segregated and isolated by tenant and typically used to store any business data required by the app. Freedom Database is typically used to:

- Enhance business processes with mobile specific data that cannot be kept in the backend application
- Reinvent business processes around mobile devices and need data storage as appropriate backend applications may not be available for the reinvented process
- Compress and consolidate backend application screens/data to improve productivity

#### Unstructured Data (Enterprise Edition Only)

The appsFreedom Platform comes with an inbuilt module, called the Freedom Drive, to store all documents and files. It's a pre-built module that is available but optional to use based on app requirements. It is designed to store and manage documents for enterprise mobile access. It comes with all file management capabilities such as version management, access management, user and role management, upload/download of files via Freedom Apps.

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### **Data Loads**

The appsFreedom Platform provides multiple mechanisms to upload and download data from both Freedom Database and Freedom Drive, to be used as appropriate and per the app needs. The various mechanisms are:

#### **CSV File Loads**

The Freedom Database provides a capability to import CSV files directly into the database using the Database Designer module of the appsFreedom Platform.

#### **Business Object Service (BOS)**

The BOS from the Integration Builder can be used to upload or download data from the Freedom Database or files/documents from the Freedom Drive. The BOS can be scheduled to execute independently or can be executed via Freedom Apps. All data from both the Freedom Database and Freedom Drive can be accessed via the apps.

#### **User Interface**

The Freedom Drive comes with a browser-based user interface that covers all aspects of file management. It covers everything from file uploads/downloads to file and version management along with roles and access permissions.

### App Lifecycle Management

The appsFreedom Platform supports full app lifecycle management activities like app design, app development, testing and QA cycles, deployment and rollout, post-rollout metrics, app enhancements and app retirement. The various support capabilities are:

### Multi-tier Cloud Landscape

The appsFreedom Platform provides a multi-tier cloud landscape, which includes:

- Development Cloud
- Quality Cloud
- Production Cloud

### Backend Connection Management

The appsFreedom Platform provides a module called the Connection Manager to connect and manage all backend application integrations. This includes SaaS business applications, on-premise business applications, Email servers, etc. This is a centralized location to view and manage all backend connections.

### Project Management

All app development and deployment is encapsulated into projects in the appsFreedom Platform. The platform provides project management capabilities to encapsulate all components of an app, with version management to move across environments.

### Transport Management

The appsFreedom Platform provides one-click transport management capabilities to move all relevant app components from one cloud environment to another (i.e. moving the app from appsFreedom Development Cloud to Quality Cloud for testing and so on).

### Role and User Management

The appsFreedom Platform provides role and access management covering capabilities such as user preferences, app access permissions, platform access permissions, etc.

### Identity Management

The appsFreedom Platform can be integrated with a company's identity management solutions such as Microsoft Active Directory/LDAP, etc. for Single Sign on.

### App Generation

The appsFreedom Platform provides container app generation capabilities. Multiple Container (native) apps can be generated per company with capabilities such as form-factor splash screens, Freedom Apps assignment, over-the-air deployments, etc.

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### App Library

The appsFreedom Platform provides a corporate app library for app deployment and rollout. It provides controls and user access permissions at the app level, the ability to receive and approve app requests, a BOS catalog, etc.

### App Metrics

The appsFreedom Platform provides post deployment app metrics and app usage analytics to measure app adoption. It provides out-of-the box reports such as an app usage report, user access reports, customer compliance reports, etc.

### Security

The appsFreedom Platform has multiple layers of security embedded into the platform. Some of the security features in the platform are:

#### Secure and Isolated Tenant

The appsFreedom Platform provides a secure and isolated tenant that includes:

- Data at rest and data in motion
- Independent integrations to SaaS and on-premise business applications
- Independent business rules, integrations and app generation
- Isolated UI components, business and integration logic, adapters, data, etc.

#### Transient Cloud

For online apps, the platform uses a transient cloud model where data is never stored or cached anywhere in the platform, neither at rest nor in motion.

#### Secure communications

All communications in the platform utilize secure communications such as

- HTTPS (SSL/TLS) protocol communications
- 256 bit encryption to prevent eaves dropping
- Secure server identification
- Prevention of active and passive network attacks
- Prevention of data tampering of data content during transmissions

#### Secure Storage

Secure data storage is embedded into the platform. Both Freedom Database and Freedom Drive deploy isolated and secure data storage techniques.



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### **Password Authentications**

The platform provides multiple authentication mechanisms including a secure user management engine for password authentication.

### **Multiple Password Authentications**

In the authentication mechanisms, the platform provides a challenge of a minimum of 2 passwords from 2 different systems. This model eliminates adverse effects of device sharing or password sharing among users.

### **Single Sign On (SSO)**

The appsFreedom Platform provides SSO authentication mechanisms using logon tickets, SAML 2.0 or OAuth mechanisms.

### **Controlled IP Access**

The platform provides restricted IP access options to connections to the appsFreedom Platform.

### **Audit Logs**

The platform captures all activities into audit logs that can be used for reporting purposes.

### **MDM Software**

The appsFreedom Platform can be integrated with major MDM software for app rollout and deployments.

### Core Platform Capabilities

The appsFreedom Platform is a cloud-native, model-driven app that is designed ground-up for the cloud. The platform provides integrated design, build, administration and runtime capabilities with a codeless, model driven approach to app development. It generates apps based on the models and designs created in the platform. Some of the core capabilities of the platform are:

#### Multi-Tenancy

The appsFreedom Platform is a multi-tenant platform that leverages all the capabilities of a modern cloud. It is architected with multi-tenancy to manage multiple but secure and independent tenants supporting different versions across tenants.

#### Sub-Tenancy

The platform supports sub-tenancy features that are typically used by ISV/software vendors to build and host their SaaS applications on the appsFreedom Platform. It enables the ISV/software vendor to have their independent space and capabilities to fully manage their own customers.

#### Distributed Architecture

The appsFreedom Platform is one single platform with the following three distinct components:

- An On-Demand component called the Freedom Manager
- An On-Premise component called the Freedom Plugin (Optional)
- An On-Device component called the Freedom Apps

The three components work in tandem and supports distributed processing. For e.g. when an on-premise application provides data, business rules may be applied in the Freedom Plugin and massaged / relevant data is sent out of the Freedom Plugin. The Freedom Manager may receive data from the Freedom Plugin as well as other cloud applications massage the data by applying business rules and pass on the data to Freedom Apps. The Apps in the device, with its own rules engine can apply business rules and display the right & relevant data at the right time to the end-user.

#### Open Standards

The appsFreedom Platform is built using open standards. All apps and relevant app components can be exported from the platform after development to be leveraged in other tools, if applicable.

#### Deployment Options

The appsFreedom Platform provides flexibility and supports multiple deployment options described below. A customer can transition from one deployment model to another as required.

#### Public Cloud Deployment

The appsFreedom Platform is hosted on AWS (Amazon Web Services) and CenturyLink Cloud. Customer can choose any of the Cloud providers for cloud deployment. Customer can choose any of the Cloud providers for cloud deployment. All cloud deployments come with money-back guaranteed SLA, multiple availability zones, backups, disaster recovery and elastic infrastructure.

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### **Private Cloud Deployment**

The appsFreedom Platform can be deployed in the customer's choice of cloud.

### **On-Premise Deployment**

The appsFreedom platform is available to be deployed inside the customer's firewall using the on-premise deployment option.

### **N+1 High Availability**

The appsFreedom Platform public cloud model is deployed on a scalable N+1 high availability server infrastructure from Amazon Web Services and/or CenturyLink cloud.

### **Elastic Infrastructure**

The appsFreedom Platform is architected with elasticity to infinitely add capacity on-demand to provide unlimited scalability.

## Appendix A : Devices & OS Supported

### iOS Devices & OS Supported

appsFreedom Platform generates mobile apps for the following 150+ Apple devices:

(NOTE: The device list is subject to change. Please check with your appsFreedom representative for the latest list of devices supported)

- Apple iPad 2 (7.1.1)
- Apple iPad 2 (7.1.2)
- Apple iPad 2 (9.2.1)
- Apple iPad 2 (9.3)
- Apple iPad 3rd Gen (7.1.2)
- Apple iPad 3rd Gen (9.2.1)
- Apple iPad 4th Gen (7.1.2)
- Apple iPad 4th Gen (8.0.2)
- Apple iPad 4th Gen (8.1)
- Apple iPad 4th Gen (9.2.1)
- Apple iPad 4th Gen (9.3)
- Apple iPad Air (7.1.2)
- Apple iPad Air (8.0)
- Apple iPad Air (8.1.2)
- Apple iPad Air (8.1.3)
- Apple iPad Air (9.0)
- Apple iPad Air (9.1)
- Apple iPad Air (9.2)
- Apple iPad Air (9.2.1)
- Apple iPad Air (9.3.1)
- Apple iPad Air 2 (8.1)
- Apple iPad Air 2 (8.1.3)
- Apple iPad Air 2 (8.3)
- Apple iPad Air 2 (8.4)
- Apple iPad Air 2 (9.0)
- Apple iPad Air 2 (9.1)
- Apple iPad Air 2 (9.2)
- Apple iPad Air 2 (9.2.1)
- Apple iPad Air 2 (9.3)
- Apple iPad Air 2 (10.0.2)
- Apple iPad Mini 1st Gen (7.1.2)
- Apple iPad Mini 1st Gen (8.0.2)
- Apple iPad Mini 1st Gen (8.1)

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- Apple iPad Mini 1st Gen (8.2)
- Apple iPad Mini 1st Gen (8.3)
- Apple iPad Mini 1st Gen (8.4)
- Apple iPad Mini 1st Gen (9.0)
- Apple iPad Mini 1st Gen (9.2)
- Apple iPad Mini 1st Gen (9.2.1)
- Apple iPad Mini 1st Gen (9.3.1)
- Apple iPad Mini 2 (7.1.2)
- Apple iPad Mini 2 (8.1.3)
- Apple iPad Mini 2 (8.3)
- Apple iPad Mini 2 (9.0)
- Apple iPad Mini 2 (9.1)
- Apple iPad Mini 2 (9.2)
- Apple iPad Mini 2 (9.2.1)
- Apple iPad Mini 3 (8.1.1)
- Apple iPad Mini 3 (8.3)
- Apple iPad Mini 3 (8.4)
- Apple iPad Mini 3 (9.0)
- Apple iPad Mini 3 (9.2.1)
- Apple iPad Mini 3 (9.3)
- Apple iPad Mini 4 (9.0)
- Apple iPad Mini 4 (9.1)
- Apple iPad Mini 4 (9.2)
- Apple iPad Pro 9.7" (9.3)
- Apple iPhone 4S (6.1.3)
- Apple iPhone 4S (7.1)
- Apple iPhone 4S (8.1.2)
- Apple iPhone 4S (9.2)
- Apple iPhone 4S (9.2.1)
- Apple iPhone 4S (9.3.1)
- Apple iPhone 5 (7.0.4)
- Apple iPhone 5 (7.1.1)
- Apple iPhone 5 (7.1.2)
- Apple iPhone 5 (8.0)
- Apple iPhone 5 (8.1.1)
- Apple iPhone 5 (8.1.2)
- Apple iPhone 5 (8.3)
- Apple iPhone 5 (9.2.1)
- Apple iPhone 5 (9.3.2)
- Apple iPhone 5c (7.1.1)

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- Apple iPhone 5c (7.1.2)
- Apple iPhone 5c (8.0)
- Apple iPhone 5c (8.0.2)
- Apple iPhone 5c (8.1)
- Apple iPhone 5c (8.1.1)
- Apple iPhone 5c (8.1.3)
- Apple iPhone 5c (8.3)
- Apple iPhone 5c (8.4)
- Apple iPhone 5c (9.0)
- Apple iPhone 5c (9.1)
- Apple iPhone 5c (9.2)
- Apple iPhone 5c (9.2.1)
- Apple iPhone 5c (9.3)
- Apple iPhone 5s (7.1)
- Apple iPhone 5s (7.1.1)
- Apple iPhone 5s (7.1.2)
- Apple iPhone 5s (8.0)
- Apple iPhone 5s (8.0.2)
- Apple iPhone 5s (8.1.1)
- Apple iPhone 5s (8.1.3)
- Apple iPhone 5s (8.2)
- Apple iPhone 5s (8.3)
- Apple iPhone 5s (8.4)
- Apple iPhone 5s (9.0)
- Apple iPhone 5s (9.1)
- Apple iPhone 5s (9.2)
- Apple iPhone 5s (9.2.1)
- Apple iPhone 5s (9.3)
- Apple iPhone 5s (9.3.1)
- Apple iPhone 5s (10.0.2)
- Apple iPhone 6 (8.1)
- Apple iPhone 6 (8.1.2)
- Apple iPhone 6 (8.2)
- Apple iPhone 6 (8.3)
- Apple iPhone 6 (8.4)
- Apple iPhone 6 (9.0)
- Apple iPhone 6 (9.1)
- Apple iPhone 6 (9.2)
- Apple iPhone 6 (9.2.1)
- Apple iPhone 6 (9.3)

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- Apple iPhone 6 (9.3.1)
- Apple iPhone 6 (10.0.2)
- Apple iPhone 6 Plus (8.1)
- Apple iPhone 6 Plus (8.1.2)
- Apple iPhone 6 Plus (8.1.3)
- Apple iPhone 6 Plus (8.2)
- Apple iPhone 6 Plus (8.3)
- Apple iPhone 6 Plus (8.4)
- Apple iPhone 6 Plus (9.0)
- Apple iPhone 6 Plus (9.1)
- Apple iPhone 6 Plus (9.2)
- Apple iPhone 6 Plus (9.2.1)
- Apple iPhone 6 Plus (9.3)
- Apple iPhone 6 Plus (9.3.1)
- Apple iPhone 6 Plus (10.0.2)
- Apple iPhone 6s (9.0)
- Apple iPhone 6s (9.1)
- Apple iPhone 6s (9.2)
- Apple iPhone 6s (9.2.1)
- Apple iPhone 6s (9.3.1)
- Apple iPhone 6s (10.0.2)
- Apple iPhone 6s Plus (9.0)
- Apple iPhone 6s Plus (9.1)
- Apple iPhone 6s Plus (9.2)
- Apple iPhone 6s Plus (9.2.1)
- Apple iPhone 6s Plus (9.3.1)
- Apple iPhone 6s Plus (10.0.2)
- Apple iPhone 7 (10.0.2)
- Apple iPhone 7 Plus (10.0.2)
- Apple iPhone SE (9.3)
- Apple iPod Touch 5th Gen (8.1.2)
- Apple iPod Touch 5th Gen (8.3)
- Apple iPod Touch 5th Gen (8.4)
- Apple iPod Touch 5th Gen (9.0)
- Apple iPod Touch 5th Gen (9.2)
- Apple iPod Touch 5th Gen (9.2.1)
- Apple iPod Touch 5th Gen (9.3.1)
- Apple iPod Touch 6th Gen (9.1)
- Apple iPod Touch 6th Gen (9.2)
- Apple iPod Touch 6th Gen (9.2.1)

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- Apple iPod Touch 6th Gen (9.3)
- Apple iPod Touch 6th Gen (9.3.1)
- Apple iPod Touch 6th Gen (10.0.2)



### Android Devices and OS supported

appsFreedom Platform generates mobile apps for the following 175+ Android devices:

(NOTE: The device list is subject to change. Please check with your appsFreedom representative for the latest list of devices supported)

- ASUS Memo Pad 7 (5.0)
- ASUS Memo Pad 8 (4.4.2)
- ASUS Nexus 7 - 1st Gen (Wi-Fi) (4.2)
- ASUS Nexus 7 - 1st Gen (Wi-Fi) (4.2.1)
- ASUS Nexus 7 - 1st Gen (Wi-Fi) (4.3)
- ASUS Nexus 7 - 1st Gen (Wi-Fi) (4.4.2)
- ASUS Nexus 7 - 2nd Gen (Wi-Fi) (4.3.1)
- ASUS Nexus 7 - 2nd Gen (Wi-Fi) (4.4.2)
- ASUS Nexus 7 - 2nd Gen (Wi-Fi) (4.4.4)
- ASUS Nexus 7 - 2nd Gen (Wi-Fi) (5.0)
- ASUS Nexus 7 - 2nd Gen (Wi-Fi) (5.0.1)
- ASUS Nexus 7 - 2nd Gen (Wi-Fi) (5.0.2)
- ASUS Nexus 7 - 2nd Gen (Wi-Fi) (6.0)
- ASUS Transformer Pad (4.4.2)
- Amazon Fire (2015) (5.1)
- Amazon Fire HD 7 (2014) (4.4.3)
- Amazon Fire Phone (4.2.2)
- Amazon Fire Phone (4.4.4)
- Amazon Kindle Fire HDX 7 (2013) (4.2.2)
- Amazon Kindle Fire HDX 7 (2013) (4.4.3)
- Dell Venue 8 3840 (4.4.4)
- Dell Venue 8 7840 (5.1)
- Elephone P7000 (5.0)
- Gionee Pioneer P2S (4.2.2)
- Google Pixel (7.1)
- Google Pixel XL (7.1)
- HTC 10 (Unlocked) (6.0.1)
- HTC Desire 526G+ (4.4.2)
- HTC One A9 (Unlocked) (6.0.1)
- HTC One M7 (AT&T) (4.4.2)
- HTC One M8 (AT&T) (4.4.2)
- HTC One M8 (AT&T) (4.4.4)
- HTC One M8 (Verizon) (4.4.2)
- HTC One M8 (Verizon) (4.4.4)
- HTC One M9 (AT&T) (5.0.2)

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- HTC One M9 (Verizon) (5.0.2)
- Huawei Ascend Mate 7 (4.4.2)
- Huawei Honor 6 (4.4.2)
- Huawei MediaPad X1 (4.2.2)
- Huawei Nexus 6P (6.0)
- Huawei Nexus 6P (7.0)
- Intex Aqua Y2 Pro (4.4.2)
- LG G Flex (AT&T) (4.2.2)
- LG G Flex2 (Sprint) (5.0.1)
- LG G Pad 7.0" (AT&T) (4.4.2)
- LG G2 (AT&T) (4.4.2)
- LG G2 (Sprint) (4.2.2)
- LG G2 (T-Mobile) (4.4.2)
- LG G3 (AT&T) (4.4.2)
- LG G3 (AT&T) (5.0.1)
- LG G3 (Sprint) (4.4.2)
- LG G3 (Sprint) (5.0.1)
- LG G3 (T-Mobile) (4.4.2)
- LG G3 (Verizon) (4.4.2)
- LG G4 (Verizon) (5.1)
- LG Nexus 4 (4.4.3)
- LG Nexus 5 (4.4)
- LG Nexus 5 (4.4.2)
- LG Nexus 5 (4.4.3)
- LG Nexus 5 (4.4.4)
- LG Nexus 5 (5.0.1)
- LG Nexus 5 (6.0)
- LG Nexus 5X (6.0)
- LG Nexus 5X (7.0)
- LG Optimus L70 (MetroPCS) (4.4.2)
- LG V10 (AT&T) (5.1.1)
- LG V10 (T-Mobile) (5.1.1)
- Lava Iris X8 (4.4.2)
- Micromax Bolt S300 (4.4.3)
- Mlais M7 (5.0)
- Motorola DROID RAZR HD (Verizon) (4.4.2)
- Motorola DROID RAZR M (Verizon) (4.4.2)
- Motorola DROID Turbo (Verizon) (5.1)
- Motorola DROID Turbo 2 (Verizon) (5.1.1)
- Motorola DROID Ultra (Verizon) (4.4.4) \*

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- Motorola Moto E - 2nd Gen (5.0.2)
- Motorola Moto G (AT&T) (4.4.4)
- Motorola Moto G - 2nd Gen (5.0.2)
- Motorola Moto G - 2nd Gen (6.0)
- Motorola Moto G - 3rd Gen (5.1.1)
- Motorola Moto X (Verizon) (5.1)
- Motorola Nexus 6 (5.0)
- Motorola Nexus 6 (6.0)
- Motorola Nexus 6 (7.0)
- OnePlus One (4.4.4)
- Oppo Find 7a (4.3)
- Samsung Galaxy A5 (5.0.2)
- Samsung Galaxy E5 (5.1.1)
- Samsung Galaxy E7 (4.4.4)
- Samsung Galaxy Grand 2 (4.4.2)
- Samsung Galaxy Grand Neo Plus (4.4.4)
- Samsung Galaxy Grand Prime Duos (4.4.4)
- Samsung Galaxy J1 Duos (4.4.4)
- Samsung Galaxy Light (MetroPCS) (4.4.2)
- Samsung Galaxy Note (AT&T) (4.1.2)
- Samsung Galaxy Note 2 (AT&T) (4.3)
- Samsung Galaxy Note 2 (AT&T) (4.4.2)
- Samsung Galaxy Note 2 (Verizon) (4.4.2)
- Samsung Galaxy Note 3 (AT&T) (4.4.2)
- Samsung Galaxy Note 3 (Sprint) (5.0)
- Samsung Galaxy Note 3 (Verizon) (4.4.4)
- Samsung Galaxy Note 4 (AT&T) (4.4.4)
- Samsung Galaxy Note 4 (AT&T) (5.0.1)
- Samsung Galaxy Note 4 (Sprint) (4.4.4)
- Samsung Galaxy Note 4 (T-Mobile) (4.4.4)
- Samsung Galaxy Note 4 (Verizon) (4.4.4)
- Samsung Galaxy Note 4 (Verizon) (5.0.1)
- Samsung Galaxy Note5 (AT&T) (5.1.1)
- Samsung Galaxy Note5 (T-Mobile) (5.1.1)
- Samsung Galaxy S DUOS 3 (4.4.4)
- Samsung Galaxy S3 (AT&T) (4.3)
- Samsung Galaxy S3 (Sprint) (4.4.2)
- Samsung Galaxy S3 (T-Mobile) (4.3)
- Samsung Galaxy S3 (Verizon) (4.3)
- Samsung Galaxy S3 (Verizon) (4.4.2)

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- Samsung Galaxy S3 LTE (T-Mobile) (4.3)
- Samsung Galaxy S3 Mini (AT&T) (4.4.2)
- Samsung Galaxy S4 (AT&T) (4.4.2)
- Samsung Galaxy S4 (AT&T) (4.4.4)
- Samsung Galaxy S4 (AT&T) (5.0.1)
- Samsung Galaxy S4 (Sprint) (4.4.2)
- Samsung Galaxy S4 (T-Mobile) (4.4.4)
- Samsung Galaxy S4 (US Cellular) (4.4.2)
- Samsung Galaxy S4 (Verizon) (4.4.2)
- Samsung Galaxy S4 (Verizon) (5.0.1)
- Samsung Galaxy S4 Active (AT&T) (4.4.2)
- Samsung Galaxy S4 Tri-band (Sprint) (4.4.2)
- Samsung Galaxy S4 mini (Verizon) (4.4.2)
- Samsung Galaxy S5 (AT&T) (4.4.2)
- Samsung Galaxy S5 (AT&T) (4.4.4)
- Samsung Galaxy S5 (Sprint) (5.0)
- Samsung Galaxy S5 (Sprint) (6.0.1)
- Samsung Galaxy S5 (T-Mobile) (4.4.2)
- Samsung Galaxy S5 (Verizon) (4.4.4)
- Samsung Galaxy S5 (Verizon) (6.0.1)
- Samsung Galaxy S5 Active (AT&T) (4.4.2)
- Samsung Galaxy S6 (Verizon) (5.0.2)
- Samsung Galaxy S6 Edge (Verizon) (5.0.2)
- Samsung Galaxy S6 Edge+ (AT&T) (5.1.1)
- Samsung Galaxy S6 Edge+ (T-Mobile) (5.1.1)
- Samsung Galaxy S7 (AT&T) (6.0.1)
- Samsung Galaxy S7 (T-Mobile) (6.0.1)
- Samsung Galaxy S7 Edge (AT&T) (6.0.1)
- Samsung Galaxy S7 Edge (T-Mobile) (6.0.1)
- Samsung Galaxy Star Advance (4.4.2)
- Samsung Galaxy Star Plus Duos (4.1.2)
- Samsung Galaxy Tab 2 10.1" (Wi-Fi) (4.1.1)
- Samsung Galaxy Tab 2 10.1" (Wi-Fi) (4.2.2)
- Samsung Galaxy Tab 2 7.0" (Wi-Fi) (4.2.2)
- Samsung Galaxy Tab 3 10.1" (Wi-Fi) (4.2.2)
- Samsung Galaxy Tab 3 10.1" (Wi-Fi) (4.4.2)
- Samsung Galaxy Tab 3 7.0" (Sprint) (4.2.2)
- Samsung Galaxy Tab 3 7.0" (Sprint) (4.4.2)
- Samsung Galaxy Tab 3 7.0" (T-Mobile) (4.4.4)
- Samsung Galaxy Tab 3 7.0" (Wi-Fi) (4.1.2)

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- Samsung Galaxy Tab 3 7.0" (Wi-Fi) (4.4.2)
- Samsung Galaxy Tab 3 Lite 7.0" (Wi-Fi) (4.2.2)
- Samsung Galaxy Tab 4 10.1" (Wi-Fi) (4.4.2)
- Samsung Galaxy Tab 4 10.1" (Wi-Fi) (5.0.2)
- Samsung Galaxy Tab 4 7.0" (Wi-Fi) (4.4.2)
- Samsung Galaxy Tab S2 8.0" (Wi-Fi) (5.1.1)
- Samsung Galaxy Tab S2 9.7" (Wi-Fi) (5.1.1)
- Samsung Nexus 10 (Wi-Fi) (4.2.2)
- Sony Xperia Z2 (4.4.4)
- Sony Xperia Z3 (4.4.4)
- Sony Xperia Z3 Compact (4.4.4)
- Sony Xperia Z4 Tablet (5.0.2)
- Toshiba Excite Go (4.4.2)
- Ulefone Be Touch 2 (5.1)

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### Windows Devices and OS supported

appsFreedom Platform generates mobile apps for the following Windows devices:

(NOTE: The device list is subject to change. Please check with your appsFreedom representative for the latest list of devices supported)

- Surface3 - Windows 10
- Surface Pro - Windows 10
- Surface Pro2 - Windows 10
- Surface Pro3 - Windows 10
- Surface Pro4 – Windows 10

### Modern Browsers supported

appsFreedom Platform generates web apps for the following browsers:

(NOTE: The device list is subject to change. Please check with your appsFreedom representative for the latest list of devices supported)

- Chrome Version 40.0 and above
- Firefox Version 45.0 and above
- Internet Explorer 10.0 and above