

FREEDOME FOR BUSINESS

Mobile client deployment with
3rd party MDM

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1. INTRODUCTION

Freedome for Business is an advanced mobile security solution for iOS and Android mobile devices.

It is perfect for organizations that want to provide additional security for their mobile devices on top of the basic security features that their existing MDM solution already provides. The solution greatly enhances your security against malware, phishing, and data theft, among others.

The protection is based on the state-of-the-art Ultralight security technology, made possible by F-Secure Security Cloud. It is a threat analysis and response system that provides real-time threat intelligence to the clients, allowing them to identify and respond to new threats as they emerge.

2. DEPLOYMENT WITH AIRWATCH MDM

Instructions on how to deploy the Freedome app with AirWatch MDM.

Note: These instructions do not include information on how to create and configure users and devices.

2.1 ADDING FREEDOME IOS APP TO AIRWATCH MDM

Instructions on how to add the Freedome iOS app to Airwatch MDM.

1. On the AirWatch administration portal, go to **Apps and Books** and under Applications, select **List view**.
2. Select the Public tab, and then **Add application**.
3. On the Add Application view, do the following:
 - a) From the Platform drop-down menu, select **Apple iOS**.
 - b) Enter the application name, for example, Freedome.
 - c) Select **Next**.

The Search page opens.

4. Enter Freedome in the search box, and when found, select **F-Secure Freedome VPN**.

2.1.1 CONFIGURING THE IOS APP

Instructions on how to configure the Freedome iOS app in Airwatch MDM.

1. On the Airwatch administration portal, select the Add Applications page, and then select the Deployment tab.
2. Select **Send Application Configuration**.
3. Under Configuration Key, add values to the following configuration entries:

Note: The reseller provides you with the values.

- **psbRegistrationKey** - the license key
- **psbApiUrl** - the address of the license validation server
- **firstName** (optional) - a name that makes it easier to identify the device in the PSB portal
- **lastName** (optional) - a name that makes it easier to identify the device in the PSB portal

The fields are automatically filled when the application is deployed to user devices.

2.2 ADDING FREEDOME ANDROID APP AS A PUBLIC APP TO AIRWATCH MDM

Instructions on how to add the Freedom Android app to Airwatch MDM.

1. In the AirWatch administration portal, go to **Apps and Books** and select **List view**.
2. Next, in the Public tab, select **Add application**.
3. In the Add Application page, do the following:
 - a) From the Platform drop-down menu, select **Android**.
 - b) In the Source field, select **Enter URL**.
 - c) In the Enter URL field, enter the Google Play download URL with the install referrer extension. See the appendix for additional information.
 - d) Select **Next**.
4. Select the **Info** tab, and fill in the application details.
5. Select the Upload button to add the application icon.

Note: Additional information for the application, for example, application icons cannot be retrieved if you add the application using the Google Play store URL.

6. Select **Save & Publish**.

2.3 VIEWING MANAGED APPLICATIONS

Instructions on how to view managed applications in AirWatch MDM.

1. In the AirWatch console window, select **Apps&Books** and then under Applications, select **List View**.

The List View page opens

2. Select the **Public** tab.

The Freedom app appears in the Apps list on the Airwatch administration portal.

3. DEPLOYMENT WITH MICROSOFT INTUNE

Instructions on how to deploy the Freedom app with Microsoft Intune.

3.1 IOS APP DEPLOYMENT

3.1.1 ADDING FREEDOME IOS APP TO MICROSOFT INTUNE

Instructions on how to add Freedom iOS app to Microsoft Intune.

1. On the Intune administration portal, go to the Apps page and select **Add**.

Intune prompts to open **Setup.exe**.

2. Save **Setup.exe** and run it.

The setup program downloads and launches the **Microsoft Intune Software Publisher** tool.

3. On the setup tool, select **Add software** and then **Next**.
4. Select how the app is available to managed devices.
 - a) On the Software setup view, select **Managed iOS App from the App Store**.
 - b) Specify the URL where the **Freedom for Business** iOS app can be downloaded. Use the Apple App Store location that is convenient to you. For example, US app store: <https://itunes.apple.com/us/app/f-secure-freedom-vpn/id771791010?mt=8>
 - c) Select **Next** to confirm your selection.
5. Add the app description and upload its icon. Then select **Next**.
6. Make sure that information on both Requirements and Summary pages looks right and select **Upload** to finalize the setup.

The Freedom app appears in the Apps list in the Intune administration portal.

Add Freedom users to the same group as the app.

3.1.2 CONFIGURING IOS APP MANAGEMENT POLICY

Instructions on how to configure the Freedom iOS app policy.

1. On the Intune administration portal, select Policy page and go to the Configuration Policies view.
2. Select **Add** to create a new policy.
3. Select **iOS > Mobile App Configuration Policy** and select **Create Policy**.

Mobile app configuration policy view opens.

4. Configure the policy.
 - a) Enter the configuration name and description.
 - b) Enter the configuration XML as the configuration policy. .
 - c) Select **Save Policy**.
5. Go to the Apps page, select Freedom and then select **Manage Deployment**.
6. Manage deployment.
 - a) Select groups where you want to deploy Freedom.
 - b) Select **Next**.
 - c) Select the deployment settings that you want to use and select **Next**.
 - d) Select next to skip the VPN Profile setup.
 - e) On the Mobile App Configuration page select the app management policy that you have created, which contains the licensing information.
 - f) Select **Finish** to complete the setup.
7. Select **Save Policy**.

3.1.3 THE IOS APP MANAGEMENT POLICY CONFIGURATION XML

The app management policy configuration XML contains two mandatory key-value pairs:

- **psbRegistrationKey**, which is the license code on F-Secure Protection Service for Business.
- **psbApiUrl**, which is the host name of the F-Secure Protection Service for Business instance that contains the license information.

You can use **lastName** and **email** keys to add additional user data to the policy configuration.

```
<dict>
<key>psbRegistrationKey</key>
<string>ABCD-EFGH-IJKL-MNOP</string>
<key>psbApiUrl</key>
<string>https://your-psb.sp.f-secure.
com</string>
<key>lastName</key>
<string>{{username}}</string>
<key>email</key>
<string>{{userprincipalname}}</string>
</dict>
```

Note: Do not use any white space at the beginning of lines.

3.2 ANDROID APP DEPLOYMENT

3.2.1 ADDING FREEDOME ANDROID APP TO MICROSOFT INTUNE

Instructions on how to add Freedom Android app to Microsoft Intune.

1. On the Intune administration portal, go to the Apps page and select **Add**.

Intune prompts to open [Setup.exe](#).

2. Save [Setup.exe](#) and run it.

The setup program downloads and launches the **Microsoft Intune Software Publisher** tool.

3. On the setup tool, select **Add software** and then **Next**.
4. Select how the app is available to managed devices.
 - a) On the Software setup view, select **External link**.
 - b) Specify the URL where the **Freedom for Business** Android app can be downloaded with the install referrer extension. See the appendix for additional information.
 - c) Select **Next** to confirm your selection.
5. Add the app description and upload its icon. Then select **Next**.
6. Make sure that information on both Requirements and Summary pages looks right and select **Upload** to finalize the setup.

The Freedom app appears in the Apps list in the Intune administration portal.

Add Freedom users to the same group as the app.

3.2.2 DISTRIBUTING ANDROID APP TO MANAGED DEVICES

Instructions on how to distribute the Freedom Android app.

1. Go to the Apps page, select Freedom and then select **Manage Deployment**.
2. Manage deployment.
 - a) Select Group(s) to whom Freedom should be deployed.
 - b) Press "Next"
 - c) Select suitable deployment settings and press "Finish".

4. DEPLOYMENT WITH MAAS360

Instructions on how to deploy the Freedom app with MaaS360.

4.1 ADDING FREEDOME IOS APP TO MDM

Instructions on how to add the Freedom iOS app to MaaS360 MDM.

1. Login into MaaS360 as an administrator.
2. Open the Apps view.
3. Select **Add** and then **iTunes App Store App** from the drop-down list.
4. In the App Details tab, search and select the **F-Secure Freedom VPN** app.

Adjust the app's category if necessary.
5. Open the Policies and Distribution tab and select the distribution methods and groups that you want to use.
6. Open the Configuration tab.

The configuration contains two mandatory attributes:

- **psbRegistrationKey**, which is the license code on F-Secure Protection Service for Business.
- **psbApiUrl**, which is the host name of the F-Secure Protection Service for Business instance that contains the license information.

You can use **lastName** and **email** keys to add additional user data to the policy configuration.

7. Select **Add**.

Freedom app is in the App list.

4.2 DEPLOYING THE FREEDOME APP

Freedom is delivered to the users in a defined distribution group.

When the Freedom iOS app is started, it may still be in the consumer trial mode. After the app reads the configuration and registers the license, it changes to the business mode.

5. DEPLOYMENT WITH MOBILEIRON MDM

This chapter contains instructions on how to deploy the Freedom app with Mobileiron Core and Mobileiron Cloud.

5.1 IOS APP DEPLOYMENT WITH MOBILEIRON CORE

Instructions on how to deploy the iOS app with Mobileiron Core.

5.1.1 ADDING FREEDOME IOS APP

Instructions on how to add the Freedom iOS app to Mobileiron Core.

1. On the Mobileiron Core administration portal, go to the Apps page and select **Add+**.
2. Go to the **App catalog** page and select **iTunes**.
3. In the Application Name box, enter F-Secure Freedom VPN, select your preferred App Store location, and select **Search**.
4. Select the app and then select **Next**.
5. Check that the app description is correct, and select **Next**.
6. Set up the App catalog and update options as follows:
 - a) Under Apps@Work Catalog, select the **This is a Free App** and **Feature this App in the Apps@Work catalog** options.
 - b) Under App updates, select the **Update managed app only** option.
7. Select **Next**.

5.1.2 CONFIGURING THE FREEDOME IOS APP

1. In the App Configuration page, under Managed app settings, select the following options:
 - Prevent backup of the app data
 - Remove app when MDM profile is removed
 - Remove app when device is quarantined or signed out
2. Select **Finish**.

5.1.3 ASSIGNING TO A LABEL

1. On the App Catalog list, select **Freedom**.
2. From the Actions dropdown menu, select **Apply To Labels**.
3. Select a label and then select **Apply**.

Note: You can create a new label by going to **Devices & Users > Labels**, and selecting **Add Label**.

5.1.4 MANAGED APP CONFIGURATION FILE

The Freedom business license information is deployed to the mobile client using Apple's Managed App Configuration. The configuration file is an XML file, following Apple's plist format.

Preparing the configuration file

Prepare the configuration file before you set up the app management configuration.

1. Prepare the configuration file as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist... <plistversion="1.0">
<dict>
  <key>configUuid</key>
  <string>e35454aa-6dae-4183-b466-
  98f8d34bbb65</string>
  <key>psbApiUrl</key>
  <string>https://your-psb.f-secure.com</
  string>
  <key>psbRegistrationKey</key>
  <string>ABCD-EFGH-IJKL-MNOP</string>
  <key>ldentifier</key>
  <string>Com.f-secure.freedom</string>
</dict>
</plist>
```

2. Define the following elements in the file:

	Key	String	Description (not in the file)
	psbRegistrationKey	ABCD-EFGH-IJKL-MNOP (example)	Your Freedom for Business license key on PSB
5.	psbApiUrl	https://your-psb.f-secure.com (example)	Host name of your PSB instance that is needed to validate the license
	Identifier	com.f-secure.com.freedom	Identifies the configuration recipient application
	configUuid	e35454aa-6dae-4183-b466-98f8d34bbb65 (example)	A version 4 UUID that identifies this configuration.

Additional configuration keys

The following MobileIron Core internal variables can be used to help identifying devices on PSB.

Note: The key names are case sensitive.

```
<?xml version="1.0" encoding="UTF-8"?>
<1DOCTYPE plist... <plistversion="1.0">
<dict>
<key>configUuid</key>
<string>e35454aa-6dae-4183-b466-
98f8d34bbb65</string>
<key>psbApiUrl</key>
<string>https://your-psb.f-secure.com</
string>
<key>psbRegistrationKey</key>
<string>ABCD-EFGH-IJKL-MNOP</string>
<key>Identifier</key>
<string>Com.f-secure.freedom</string>
<key>email</key>
<string>$EMAIL$</string>
<key>firstName</key>
<string>$FIRST_NAME$</string>
<key>lastName</key>
<string>$LAST_NAME$</string>
</dict>
</plist>
```

Creating managed app configuration file

1. Go to the Policies & Configs page, and select **Configurations**.
2. From the Action bar, select **Add now > iOS and OSX > Managed App Config**.

The New Managed App Config Setting page opens.

3. Do the following:
 - a) Enter a name and description.
 - b) In the Bundled text box, enter `com.fsecure.freedom`.
 - c) Select **Browse** to select the configuration xml file that you previously prepared.
 - d) Select **Save**.

Assigning configuration to a label

1. When new Managed App Config appears on the Configurations list, select it.
2. From the More Actions dropdown menu, select **Apply To Label**.
3. Select the same label as for the Freedom app, and select **Apply**.

The Freedom app and the license configuration are now available for installation on the devices that have the same label.

5.2 IOS APP DEPLOYMENT WITH MOBILEIRON CLOUD

Instructions on how to deploy the iOS app with Mobileiron Cloud.

5.2.1 ADDING FREEDOME IOS APP TO MOBILEIRON CLOUD MDM

Instructions on how to add the Freedom iOS app to Mobileiron Cloud.

1. On the Mobileiron Cloud administration portal, go to the Apps page and select **Add**.
2. Select **App Store**.
3. Search for F-Secure Freedom VPN.
4. Select the app and then select **Next**.
5. Check that the app description is correct, and select **Next**.
6. Set up the app distribution and select **Next**.

5.2.2 CONFIGURING APP MANAGEMENT

1. In the Configuration page, select **iOS Managed App Configuration** and then select **+**.
2. Under iOS 7+ Managed App Settings, do the following:
 - a) Enter a name for this configuration, for example, Freedom license configuration.
 - b) In the psbRegistrationKey field, enter your PSB license key.
 - c) In the psbApiUrl field, enter your PSB instance hostname for validation.
3. Set up the distribution for this configuration.
4. Set up other necessary configurations, and select **Done**.

5.2.3 ADDITIONAL CONFIGURATION KEYS

The following MobileIron Cloud variables can be used to help identifying devices on PSB.

Note: The key names are case sensitive.

Key	Value
psbRegistrationKey	ABCD-EFGH-IJKL-MNOP
psbApiUrl	https://your-psb.f-secure.com (example)
email	\$(userEmailAddress)
firstName	\$(userFirstName)
lastName	\$(userLastName)
phone	\$(devicePhoneNumber)
model	\$(deviceModel)
imei	\$(deviceIMEI)

