

Application deployment using MDM Integrators Without File Addition

General guide

1. Obtain a personal **authKey** from SafeDNS support in your Personal Account in the form of a String (Base64 encoding is handled on our side). Example format:
MGNjYnYyYWltMTQxNy00MjVlqTkzNjEtMDMzY2I2MTU4YzVi.
2. Install the SafeDNS application in the **MDM Integrator's** Personal Account by adding it through Apple Store App in the Apps catalog.
3. Then, configure the app settings depending on the integrator's IDE, such as App Config, Managed Configuration (SimpleMDM) or Managed App Configuration (Jamf Pro).
4. Wait for the application to be deployed on the devices. After successful installation, the application will be configured with the authKey that the client (IT admin) added to the App Configuration.
5. Once the initial setup is complete and the device is registered in the SafeDNS Dashboard, create a Custom Configuration Profile in the Integrator's menu. This profile should include our DNSProxy.mobileconfig with the AppBundleIdentifier: com.safedns.agent and ProviderBundleIdentifier: com.safedns.agent.dnsProxy. Then, this profile is deployed to the devices. After the profile is installed, a new DNS Proxy Server section will appear in the smartphone's settings with SafeDNS parameters, initiating the traffic interception, redirection, and filtering module.

The filtering process may take 5-7 minutes to start.

SimpleMDM example

1. Create an account on <https://simplemdm.com> and add your Apple id.
2. Obtain a personal **authKey** from SafeDNS support in your Personal Account in the form of a String (Base64 encoding is handled on our side). Example format:

MGNjYnYyYWItMTQxNy00MjVlqTkzNjEtMDMzY2I2MTU4YzVi.

The dashboard features a left-hand navigation menu with items: Main, User administration, Settings, Categories, Allowlist, Denylist, Stats, New Stats (Beta), Help, and Account. The main content area includes a 'Filtering is enabled' status box, an 'Account' section with 'Your IP address', a 'Billing Plan' section showing 'Enterprise' and 'Next payment Apr 14, 2025', and a 'Getting started' section with a 'Tutorial' button. The 'Getting started' section provides setup guides for Routers, Windows, Linux, MacOS, Android, and iOS. The 'Windows' section lists steps: '1. Download the Agent for Windows Windows 10 & 11 / Windows 8.1 and earlier' and '2. Follow the instructions and install Agent', with a 'Guide' button. To the right, there are DNS server addresses (IPv4: 195.46.39.39, 195.46.39.40; IPv6: 2001:67c:2778::3939, 2001:67c:2778::3940) and a DoH address: https://doh.safedns.com. An FAQ section is also visible with a 'more...' link.

2. Install the **SafeDNS** application in the SimpleMDM Personal Account by adding it through **Apple Store App** in the Apps catalog.



The 'Catalog' page has a left sidebar with 'Devices' and 'Apps & Media' sections. The 'Apps & Media' section is active, showing 'Catalog' as the selected item. The main content area is titled 'Catalog' and has tabs for 'Apps' and 'Media'. Below the tabs, there is a text instruction: 'Add the apps to your catalog that you wish to distribute to your devices. These apps are made available under the "Assignment" section for distribution. Apps in associated VPP accounts will be automatically added.' There are filters for 'All App Types', 'All Platforms', and a search bar 'Filter by name'. A table lists the current app: 'SimpleMDM' on 'iOS' platform, 'Apple Store' type, with '0 licenses available'. A red arrow points to the 'Add App' dropdown menu, which is open and shows options: 'Apple Store App' (highlighted with a red box), 'Shared App', 'Custom App', and 'NoPkg App'. There is also a 'Clear' button and a 'show 20 40 100' pagination control.

Add Apple Store App

Search terms

Store

iOS Apps **macOS and tvOS Apps**

Title	Platform	Category	Description	Price	
SafeDNS SafeDNS Inc	Universal iOS	Utilities	In today's hyperconnected world, you need more than just basic network protectio...	Free	<input type="button" value="Add"/>

3. Click on **SafeDNS** in the catalog and select **Managed Configuration**.

SafeDNS App

Info **Installs** **Redemption Codes** **Managed Configuration**

Details

Platform iOS
App Type Apple Store
Paid App no

4. Add the **authKey** from SafeDNS.

- Devices
- Groups
- Enrollments
- Locations
- Apps & Media**
- Catalog
- Assignment
- VPP
- Munki
- Configs**
- Profiles
- Providers
- Attributes
- Scripts

SafeDNS App

Info
Installs
Redemption Codes
Managed Configuration

Apps with managed configuration support will read the configuration specified below. Updates to the configuration are automatically pushed to all applicable devices.

String and string array value types include attribute support

Use custom config plist

When enabled, a custom managed configuration plist file can be uploaded or edited.

Escape attributes

Escape any special characters in custom variables.

Key	Value Type	Value
AuthKeyName 2. Name your key	string	/!tMTQxNy00MjVlqTkzNjEtMDMzY2l2MTU4YzVi

1. Click to add a new Key

3. Insert the encoded authKey received from SafeDNS

4

Cancel Save

5. Now the application can be deployed on the devices.

If your devices are already enrolled the deployment will be done automatically.

If not you first need to enroll them in SimpleMDM: Go to Devices > Enrollments > Add Enrollment.

- Devices
- Groups
- Enrollments**
- Locations
- Apps & Media**
- Catalog
- Assignment
- VPP

Enrollments

Enrollments
Settings

Enrollments provide a means of adding devices to your SimpleMDM account. Enrollment codes can be a link your users visit from their devices. They can also link your account to Automated Enrollment within Apple Business Manager.

Add Enrollment

Automated Enrollment (DEP)

Group Enrollment

One-Time Enrollment

Name	Type	Features
<input type="checkbox"/> Default	Group Enrollment	

< > 1 - 1 of 1
show 20 40 100

After successful installation, the application will be configured with the authKey that the client (IT admin) added to the App Configuration.

6. After the application is installed on the devices, complete the full configuration of the app.

Once the initial setup is complete and the device is registered in the SafeDNS Dashboard, create a Custom Configuration Profile in the Integrator's Personal Account. Upload the custom DNSProxy.mobileconfig profile (received from SafeDNS).

This profile includes DNS-Proxy details showed below

*** Name**

Description

Optional description presented to the end user.

- For macOS devices, deploy as a device profile instead of a user profile.
- Re-install profile automatically after macOS software updates are detected.

Profile identifier

*** Mobileconfig** no file selected

Upload a .mobileconfig file or use the editor below

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.com/DTDs/PropertyList-1.0.dtd">
3 <plist version="1.0">
4 <dict>
5   <key>PayloadContent</key>
6   <array>
7     <dict>
8       <key>AppBundleIdentifier</key>
9       <string>com.safedns.agent.enterprise</string>
10      <key>PayloadDescription</key>
11      <string>Configures DNS proxy network extension</string>
12      <key>PayloadDisplayName</key>
13      <string>DNS Proxy</string>
14      <key>PayloadIdentifier</key>
15      <string>com.apple.dnsProxy.managed.8BBE8A39-2304-4FBB-BB98-3D938A623BA8</string>
16      <key>PayloadType</key>
17      <string>com.apple.dnsProxy.managed</string>
18      <key>PayloadUUID</key>
19      <string>8BBE8A39-2304-4FBB-BB98-3D938A623BA8</string>
20      <key>PayloadVersion</key>
21      <integer>1</integer>
22      <key>ProviderBundleIdentifier</key>
23      <string>com.safedns.agent.enterprise.dnsProxy</string>
24    </dict>
25  </array>
```

Enable attribute support

Process variables in the uploaded profile.

Escape attributes

Escape any special characters in custom variables.

Please find below the link to the file: [SafeDNSProxy_Enterprise.mobileconfig](#)

Depending on the connection speed and profile propagation on the devices, a DNS-Proxy section with our settings will be added to the Device Management and VPN menu in the device settings. After this, the application and filtering module will synchronize, and filtering will begin based on the configuration settings in the SafeDNS.com Personal Account.

The filtering process may take 5-7 minutes to start.

Revision #7

Created 27 August 2024 14:13:47 by Mickaël Gauthier

Updated 21 January 2025 15:09:10 by Mark Woodman