

# 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.

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## 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.

Main

User administration

Settings

Categories

Allowlist

Denylist

Stats

New Stats (Beta)

Help

Account

Filtering is enabled

The statistics will be visible in approx 10 minutes. You can grab a coffee while we prepare the statistic for you.

Getting started

Setup guide for:

RoutersWindowsLinuxMacOSAndroidiOS

Windows

1. Download the Agent for Windows  
Windows 10 & 11 / Windows 8.1 and earlier

2. Follow the instructions and install Agent

Guide

Tutorial

IPv4 DNS-servers addresses  
195.46.39.39  
195.46.39.40

IPv6 DNS-servers addresses  
2001:67c:2778::3939  
2001:67c:2778::3940

DoH address  
https://doh.safedns.com

FAQ

What should I do if some websites are not blocked?

Are there any additional features besides DNS filtering?

How do I remove the block from my favorite website?

Why are sites from allowed categories blocked?

How can I report a harmful website or incorrect categorization?

How to check if the filter is active?

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

SimpleMDM  
POWERED BY PDQ.COM

Devices

Apps & Media

Assignment

VPP

Munki

Catalog

Media

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.

All App TypesAll PlatformsFilter by name

App NameVersionPlatformApp Type

SimpleMDM- iOSApple Store0 licenses available

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show 2040100

Add App

Apple Store App

Shared App

Custom App

NoPkg App

Devices

Groups

Enrollments

Locations

Apps & Media

Catalog

Assignment

VPP

Munki

Configs

## Add Apple Store App

Search terms

SafeDNS

Store


United States of America

Cancel

Search

iOS Apps

macOS and tvOS Apps

Title	Platform	Category	Description	Price	
 <b>SafeDNS</b> SafeDNS Inc	Universal iOS	Utilities	In today's hyperconnected world, you need more than just basic network protectio...	Free	<div>Add</div>

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

Devices

Groups

Enrollments

Locations

Apps & Media

Catalog

## SafeDNS App

Info

Installs

Redemption Codes

Managed Configuration

Details

Platform iOS

App Type Apple Store

Paid App no

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

**SafeDNS App** Back

**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	string	/ItMTQxNy00MjVlqTkzNjEtMDMzY2I2MTU4YzVi

1. Click to add a new Key

2. Name your key

3. Insert the encoded authkey received from SafeDNS

4. 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.

**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.

Name	Type	Features
Default	Group Enrollment	

1 - 1 of 1

show 20 40 100

Add Enrollment

- Automated Enrollment (DEP)
- Group Enrollment
- One-Time Enrollment

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	DNSForSimpleMDM
Description	<p>Optional description presented to the end user.</p> <p><input checked="" type="checkbox"/> For macOS devices, deploy as a device profile instead of a user profile.</p> <p><input checked="" type="checkbox"/> Re-install profile automatically after macOS software updates are detected.</p>
Profile identifier	com.unwiredmdm.b8e176d8f7ae476c8ef9f69b491dae42
* Mobileconfig	<div> <div>Choose File</div> <div>no file selected</div> </div> <p>Upload a .mobileconfig file or use the editor below</p> <pre> 1  &lt;?xml version="1.0" encoding="UTF-8"?&gt; 2  &lt;!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.com/DTDs/PropertyList-1.0.dtd"&gt; 3  &lt;plist version="1.0"&gt; 4    &lt;dict&gt; 5      &lt;key&gt;PayloadContent&lt;/key&gt; 6      &lt;array&gt; 7        &lt;dict&gt; 8          &lt;key&gt;AppBundleIdentifier&lt;/key&gt; 9          &lt;string&gt;com.safedns.agent.enterprise&lt;/string&gt; 10         &lt;key&gt;PayloadDescription&lt;/key&gt; 11         &lt;string&gt;Configures DNS proxy network extension&lt;/string&gt; 12         &lt;key&gt;PayloadDisplayName&lt;/key&gt; 13         &lt;string&gt;DNS Proxy&lt;/string&gt; 14         &lt;key&gt;PayloadIdentifier&lt;/key&gt; 15         &lt;string&gt;com.apple.dnsProxy.managed.8BBE8A39-2304-4FBB-BB98-3D938A623BA8&lt;/string&gt; 16         &lt;key&gt;PayloadType&lt;/key&gt; 17         &lt;string&gt;com.apple.dnsProxy.managed&lt;/string&gt; 18         &lt;key&gt;PayloadUUID&lt;/key&gt; 19         &lt;string&gt;8BBE8A39-2304-4FBB-BB98-3D938A623BA8&lt;/string&gt; 20         &lt;key&gt;PayloadVersion&lt;/key&gt; 21         &lt;integer&gt;1&lt;/integer&gt; 22         &lt;key&gt;ProviderBundleIdentifier&lt;/key&gt; 23         &lt;string&gt;com.safedns.agent.enterprise.dnsProxy&lt;/string&gt; 24       &lt;/dict&gt; 25     &lt;/array&gt; </pre> <p><input checked="" type="checkbox"/> Enable attribute support</p> <p>Process variables in the uploaded profile. <span>attribute support</span></p> <p><input type="checkbox"/> Escape attributes</p> <p>Escape any special characters in custom variables.</p>

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.

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