

# SafeDNS Application deployment using MDM Integrators for iOS

## 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. Wait for the application to be deployed on the devices.
4. 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 and the AuthKey: 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 3-5 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:  
MGNjYnYyYWltMTQxNy00MjVlqTkzNjEtMDMzY2I2MTU4YzVi.

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.

Account

Your IP address

Billing Plan

Enterprise

Next payment

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Getting started

Tutorial

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

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

more...

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 PDG.COM

Devices

Devices

Groups

Enrollments

Locations

Apps & Media

Catalog

Assignment

VPP

Munki

A Catalog

AppsMedia

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 Name

Version

Platform

App Type

SimpleMDM

-

iOS

Apple Store

0 licenses available

1 - 1 of 1

show 2040100

Add App

Apple Store App

Shared App

Custom App

NoPkg App

**Add Apple Store App**

Search terms:

Store:

**iOS Apps** **macOS and tvOS Apps**

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

3. 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**

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.

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

Automated Enrollment (DEP)   
 Group Enrollment   
 One-Time Enrollment

show 20 40 100

After a successful installation, the application **does not need to be launched** on end devices.

4. After the application is installed on the devices, complete the full configuration of the app by adding the **profile** with the **authKey**.

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 where you need to change **one line** by adding the AuthKey:

```
<key>AuthKeyBase64</key>
```

```
<string>!!! Enter here your AuthKey</string>
```

"!!!! Enter here your **AuthKEY**" – needs to be replaced with the **AuthKey** received from SafeDNS support

|                    |  |
|--------------------|--|
| * Name             | TestSafeDNSProfile   |
| Description        | <div>Optional description presented to the end user.</div> <div><input checked="" type="checkbox"/> For macOS devices, deploy as a device profile instead of a user profile.</div> <div><input type="checkbox"/> Re-install profile automatically after macOS software updates are detected.</div>   |
| Profile identifier |  |
| * Mobileconfig     | <div>Выбрать файл файл не выбран</div> <div>Upload a .mobileconfig file or use the editor below</div> <div><pre>17 &lt;string&gt;com.apple.ansProxy.managed&lt;/string&gt; 18 &lt;key&gt;PayloadUUID&lt;/key&gt; 19 &lt;string&gt;B2AC9479-5EAB-42DF-B46B-C99C4D75EEC4&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;key&gt;ProviderConfiguration&lt;/key&gt; 25 &lt;dict&gt; 26   &lt;key&gt;AuthKeyBase64&lt;/key&gt; 27   &lt;string&gt;[REDACTED]&lt;/string&gt; 28   &lt;key&gt;DeviceName&lt;/key&gt; 29   &lt;string&gt;{{device_name}}&lt;/string&gt; 30 &lt;/dict&gt; 31 &lt;/array&gt; 32 &lt;key&gt;PayloadDisplayName&lt;/key&gt; 33 &lt;string&gt;NewSafeDNSProxy&lt;/string&gt; 34 &lt;key&gt;PayloadIdentifier&lt;/key&gt; 35 &lt;string&gt;MacBook-Pro---Andy.A45B6340-A35E-4A7E-AF9F-660720474DCD&lt;/string&gt; 36 &lt;key&gt;PayloadRemovalDisallowed&lt;/key&gt; 37 &lt;false/&gt; 38 &lt;key&gt;PayloadType&lt;/key&gt; 39 &lt;string&gt;Configuration&lt;/string&gt; 40 &lt;key&gt;PayloadUUID&lt;/key&gt;</pre></div> <div><input checked="" type="checkbox"/> Enable attribute support</div> <div>Process variables in the uploaded profile. <span>attribute support</span></div> <div><input checked="" type="checkbox"/> Escape attributes</div> <div>Escape any special characters in custom variables.</div> |

Please find below the link to the file: [SafeDNS-Proxy.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 3-5 minutes to start.

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