

Create and deploy configuration profiles for SafeDNS Endpoint Lite on macOS

Before deploying the SafeDNS daemon and filtering module, install two configuration profiles on the target macOS devices:

- **SafeDNS_DNS_Proxy - Custom Configuration Profile**
- **SafeDNS_Profile_for_System_Extension - System Extension Policy**

The steps below use SimpleMDM as an example. Other MDM platforms may use different menu names.

1. Create the SafeDNS DNS Proxy profile

1. Go to **Configs > Profiles**



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

2. Click **Create Profile**.

3. Select **Custom Configuration Profile**.

Type	macOS	iOS	tvOS
Accessibility	.		
AirPlay Destination	.	.	
AirPrint Printer	.	.	
APN		.	
App Restrictions		[S]	[S]
Apple Intelligence Settings	[S]	[S]	
Background Tasks	[S]		
CalDAV	.	.	
CardDAV	.	.	
Certificate	.	.	.
Custom Configuration Profile	.	.	.
Custom Declaration	.	.	.
Disk Management Settings	.		
Email	.	.	
Extensible Single Sign On Kerberos	.	.	
Extensible Single Sign On	.	.	
External Intelligence Settings	[S]	[S]	
FileVault	.		
Firewall	.		
Firmware Password	.		
Gatekeeper Policy	.		

4. Name the profile **SafeDNS_DNS_Proxy** (as an example).
5. Upload **SafeDNS-DNSProxy.mobileconfig** without changing the file (Provided by SafeDNS). This file has all the required parameters.
6. Click Save.

2. Create the System Extension profile

1. Go to **Configs > Profiles > Create Profile**.

2. Select **System Extension Policy**.

The screenshot shows the macOS System Settings app. On the left is a sidebar with categories: Users, Notifications, Push Certificate, Logs, API, Billing, and Support. The 'Support' category is selected and contains a list of system settings. The 'System Extension Policy' option is highlighted with a red rectangular box. To the right of the settings list are three columns of status indicators, each containing a small square icon with the letter 'S' inside, representing system extension status.

Setting	Indicator 1	Indicator 2	Indicator 3
Global HTTP Proxy	[S]	[S]	[S]
Google Account	.	.	.
Home Screen Layout	.	[S]	[S]
Kernel Extension Policy	.	.	.
LDAP	.	.	.
Lock Screen Message	.	[S]	[S]
Login And Background Item Management	[S]	.	.
Login Window	.	.	.
Managed Software Updates	.	.	.
Notification Settings	.	[S]	.
Passcode Policy	.	.	.
Printing	.	.	.
Privacy Preference	.	.	.
Recovery Lock Password	.	.	.
Restrictions	.	.	.
Safari Extension Settings	[S]	[S]	.
Service Configuration File	.	.	.
Single App Lock	.	[S]	[S]
Single Sign-On Account	.	.	.
Software Update Policy for iOS	.	.	.
Software Update Policy for macOS	.	.	.
Software Update Settings	.	.	.
Subscribed Calendar	.	.	.
System Extension Policy	.	.	.
VPN	.	.	.
Wallpaper	.	[S]	.
Web Clip	.	.	.
Web Content Filter	.	[S]	.
Wireless Network	.	.	.

3. Name the profile **SafeDNS_Profile_for_System_Extension** (as an example).

4. Use the following values:

- Team Identifier — **B2TN6DQ93U**
- Bundle Identifier — **com.safedns.agent.SafeDNSMacProxy.dnsProxy**
- Notes (optional) — **SafeDNS DNS Proxy system extension**
(SafeDNSMacProxyDNS)

5. Allow the following extension types:

- **Driver Extension**
- **Network Extension**
- **Endpoint Security Extension**

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.
- Install via Declarative Management

If enabled, this profile will be installed as a declaration using Declarative Management on any device that has Declarative Management enabled. For devices that do not support Declarative Management, the profile will be installed as a legacy configuration profile.

- Allow user to approve system extensions that are not specified below

System Extension list

System extensions may be allowed by specifying a team identifier and zero or more bundle identifiers. Multiple bundle identifiers may be specified as a comma separated list. At least one extension type must be selected for each identifier.

Specifying system extensions that can be removed is available for macOS 12 and later.

Team Identifier	Bundle Identifier	Allowed Extension Types	Notes	Removable	Prevent UI Removal
B2TN6DQ93U	com.safedns.agent.SafeDN	<input checked="" type="checkbox"/> Driver <input checked="" type="checkbox"/> Network <input checked="" type="checkbox"/> Endpoint Security	SafeDNS DNS Proxy system	<input type="checkbox"/>	<input type="checkbox"/>

Scope

Specify conditions that assigned devices must meet to receive this profile.

OS macOS iOS iPadOS tvOS visionOS

Min macOS version: 14.0

Max macOS version: No Maximum

Mac Architecture: Apple Silicon (ARM)

Sign Out Cancel Save

6. Click **Save**.

3. Assign the profiles to target devices

1. Go to **Groups** and select the target device group.
2. Open the **Profiles** tab.
3. Add both profiles created earlier:
 - **SafeDNS_DNS_Proxy**
 - **SafeDNS_Profile_for_System_Extension**

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SafeDNS, inc apple@safedns.com

Devices

Groups

Search Groups by Name

Type: All Sort: Name

New Macbook 5

SafeDNS 0

SafeDNS Agent Enterprise 0

New Macbook

Devices (2) Profiles (3) Apps (3) Media (0) Settings

Review

Group Actions

Assign Profiles by Name

Unassign (0)

Profile Name	Profile Type	Compatibility
<input type="checkbox"/> SafeDNS_Profile_for_System_Extension	System Extension Poli	macOS (10.15.0+), User Approv
<input type="checkbox"/> SafeDNS_DNS_Proxy	Custom Configuration	

4. Click **Review** > **Save changes**.
5. Run **Group Actions** > **Sync Profile**.

The profiles should appear in 2-5 seconds on the target Mac under **System Settings > General > Device Management**.

How to remove the profiles

To remove the profiles, unassign both profiles from the device group, save the changes, and run Sync Profile again.

After synchronization, check **System Settings > General > Device Management** on the target Mac. The SafeDNS profiles should no longer be listed.

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