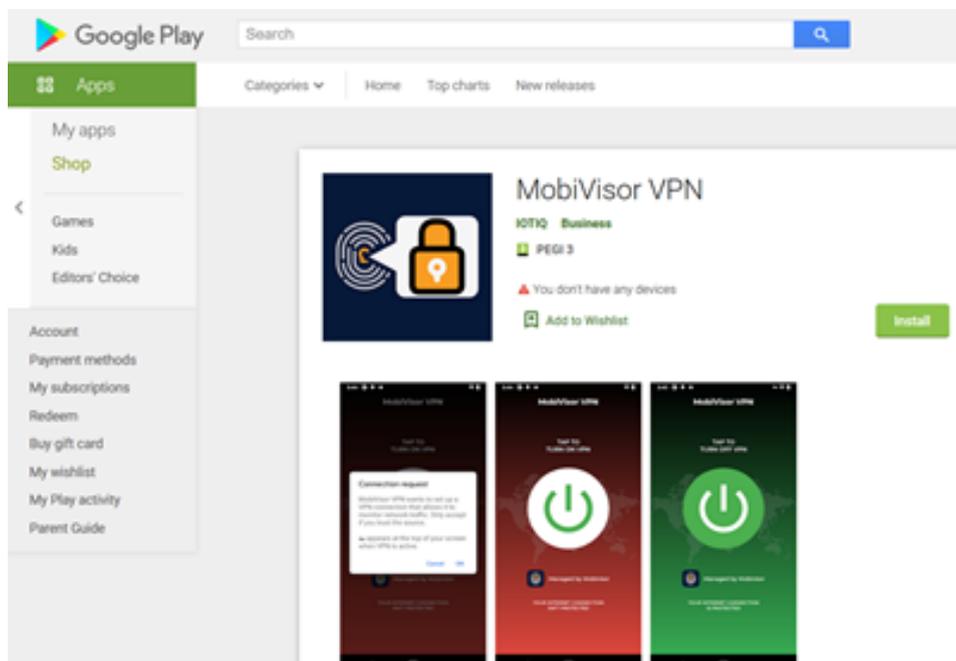


# VPN Settings

## CONFIGURATION

For Android devices the VPN configuration is set up per policy and application assignment. For iOS the MobiVisor VPN App is not needed. So the first step of 'App Installation' can be skipped.

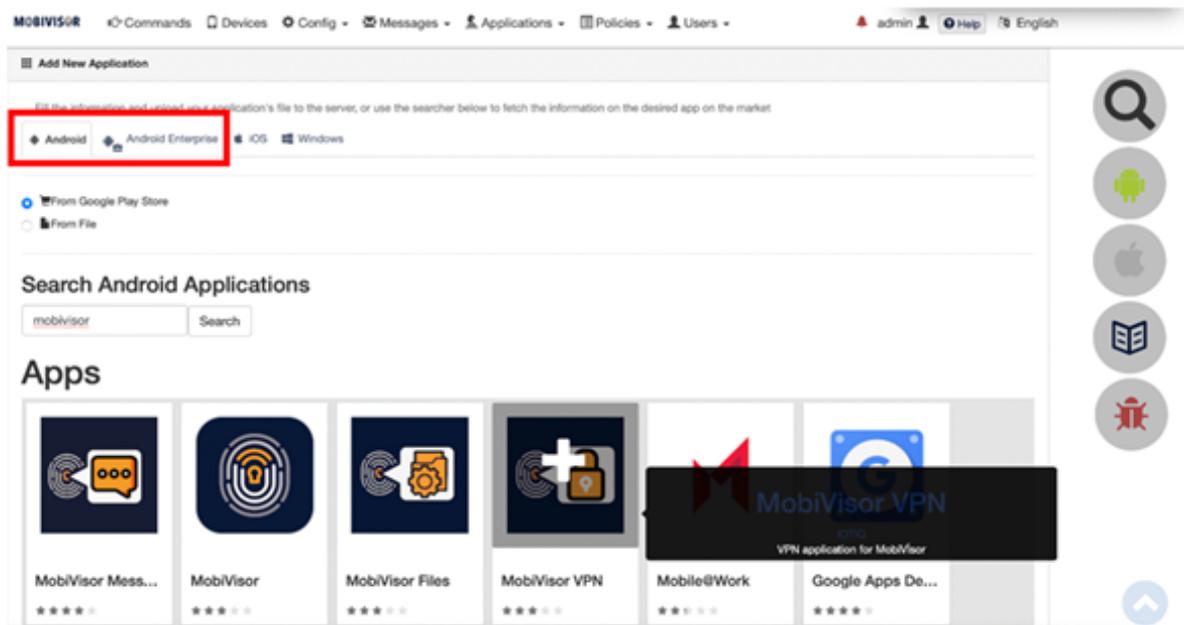
### 1. App Installation



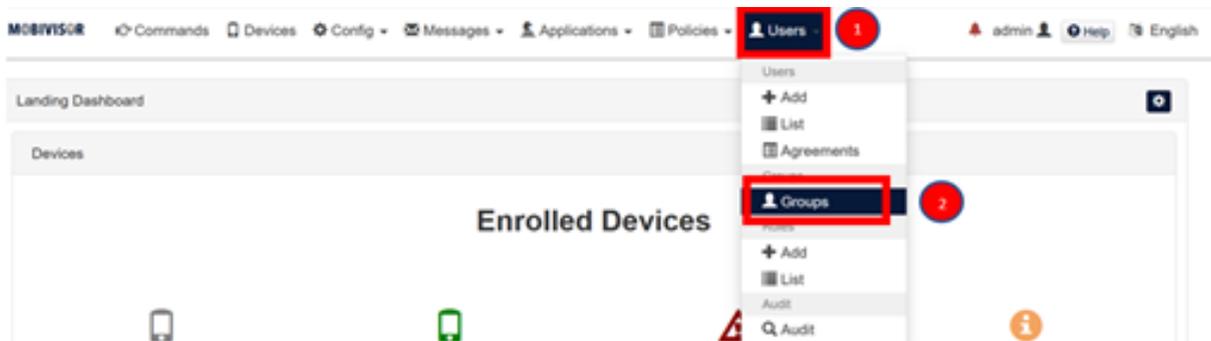
Android device users can install the app 'MobiVisor VPN' by downloading it from Google Play Store, if they are enabled to do so. Alternatively the Administrator should add the application to the users devices.

Now the application has to be assigned to the devices:

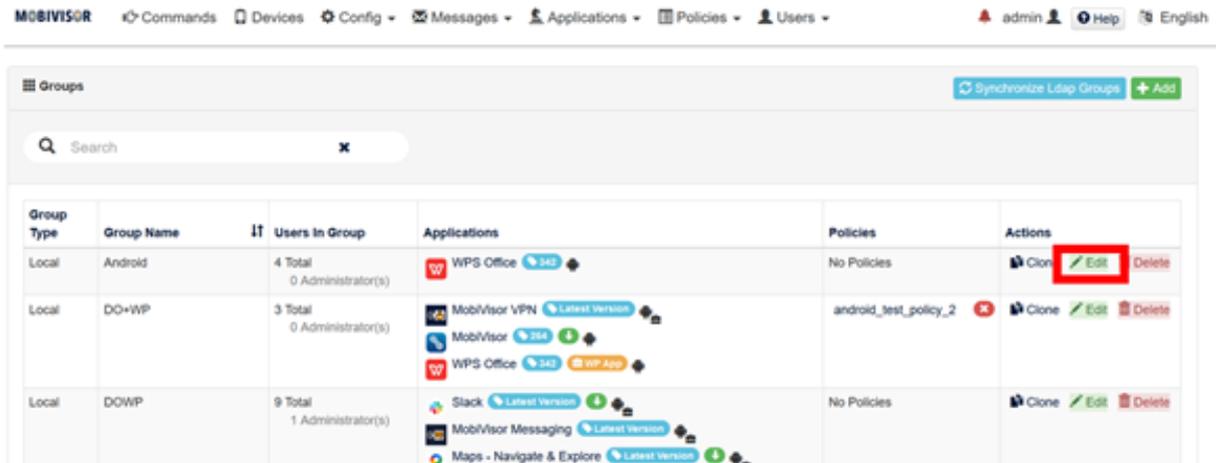
After calling up 'Applications' in the upper bar 'Add' is chosen.



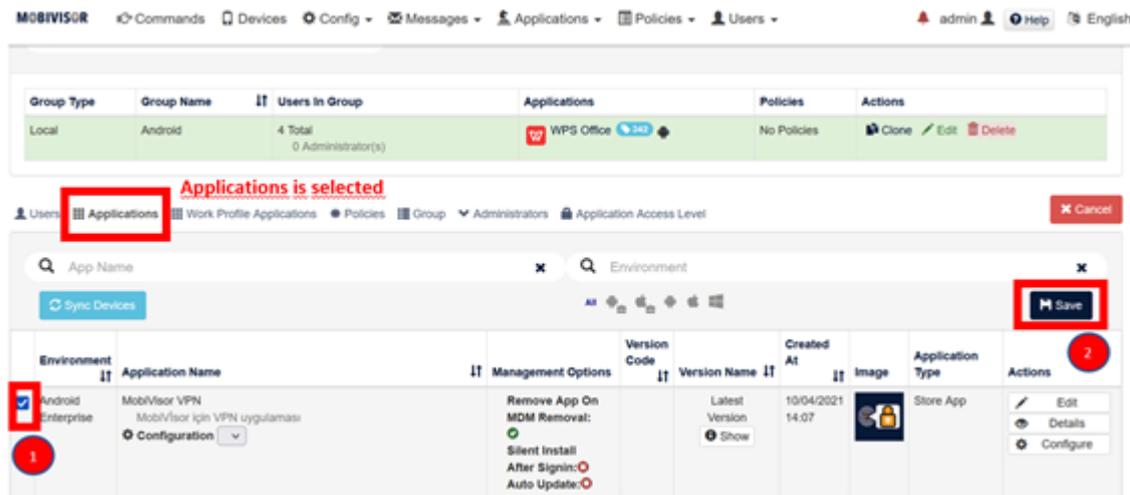
Since the application is only available for Android devices the tabs Android/ Android Enterprise are chosen for the further proceeding. After searching for MobiVisor VPN the '+' is clicked to add the app.



After this step the group which is going to get the VPN application is selected and the button 'Edit' is clicked.



Now the MobiVisor VPN application can be assigned to the selected group.



This process can also be made for single users in a similar way. Choose Applications >> List and assign the selected application to single users.

## 2. Policy Setup

The VPN Configurations are set under Policies >> VPN Configurations for both Android and iOS devices.

The screenshot shows the IOTIQ management interface. At the top, there is a navigation bar with 'Commands', 'Devices', 'Config', 'Messages', 'Applications', 'Policies', and 'Users'. The 'Policies' menu is open, showing a list of categories: Assignments, Policy Restrictions, Policy Features, and others. The 'VPN Configurations' option is highlighted with a red box and a '2' in a red circle. The 'Policies' menu is also highlighted with a red box and a '1' in a red circle. Below the menu is a table of VPN configurations:

Name	VPN Type	Authentication Method	User Name
inhouseVpnAllApps		-	-
testVpn	ikev2	-	-
TestPerApp	ikev2	-	-
TestPerApp2	ikev2	-	-
TestPerApp3	ikev2	-	-
TestPerApp4	ikev2	-	-

To add a new VPN setting click 'Add' button.

The screenshot shows the 'VPN Configurations' header with a red arrow pointing to the '+ Add' button.

When the 'Add' button is clicked, two types of VPN settings can be chosen: Custom SSL and Inhouse VPN.

*If the user is using a third party application, the settings must be entered in Custom SSL. These settings are for iOS devices only.*

*If a general VPN connection is desired the Inhouse VPN is selected. A VPN server for the customers is established.*

## CUSTOM SSL

**Remote Identifier:** must start with "https://". VPN Server's URL address should be entered here.

**VPN Subtype:** The package name of the third party application used for VPN is entered here.

**Provider Type:** Select: *App Proxy* → for use at Application Layer / *Packet Tunnel* → for use at IP Layer

**Authentication Method:** Password is selected and the Username and Password are entered in the sections below. For the Username a value such as *\$username\$* is entered, which then sends to every user his own username.

**VPN Types:** "All Apps" is selected to use VPN for all apps on the device.

VPN Configurations Cancel Save

when used 3rd party app

**Custom SSL** Inhouse VPN

[Open Apple Documentation for details](#)

Name (\*) VPN Test

Remote Identifier (\*) https://mdm.domainname.com **start with https://  
VPN Server's URL Address**

VPN Subtype (\*) net.pulsesecure.pulsesecure **Package name of VPN App**

Provider Type App Proxy **App Proxy(Application Layer)  
Pocket Tunnel(IP Layer)**

Authentication Method Password

Username (\*) testuser [Query Mappings](#)

Password \*\*\*\*\*

VPN Type All Apps **select All Apps when VPN is used for all apps**

Safari Domains No Safari Domains are added! [Add Safari Domain](#)

Associated Domains No Associated Domains are added! [Add Associated Domain](#)

Calendar Domains No Calendar Domains are added! [Add Calendar Domain](#)

Contacts Domains No Contacts Domains are added! [Add Contacts Domain](#)

Excluded Domains No Excluded Domains are added! [Add Excluded Domain](#)

Mail Domains No Mail Domains are added! [Add Mail Domain](#)

Vendor Config

**Vendor Config**

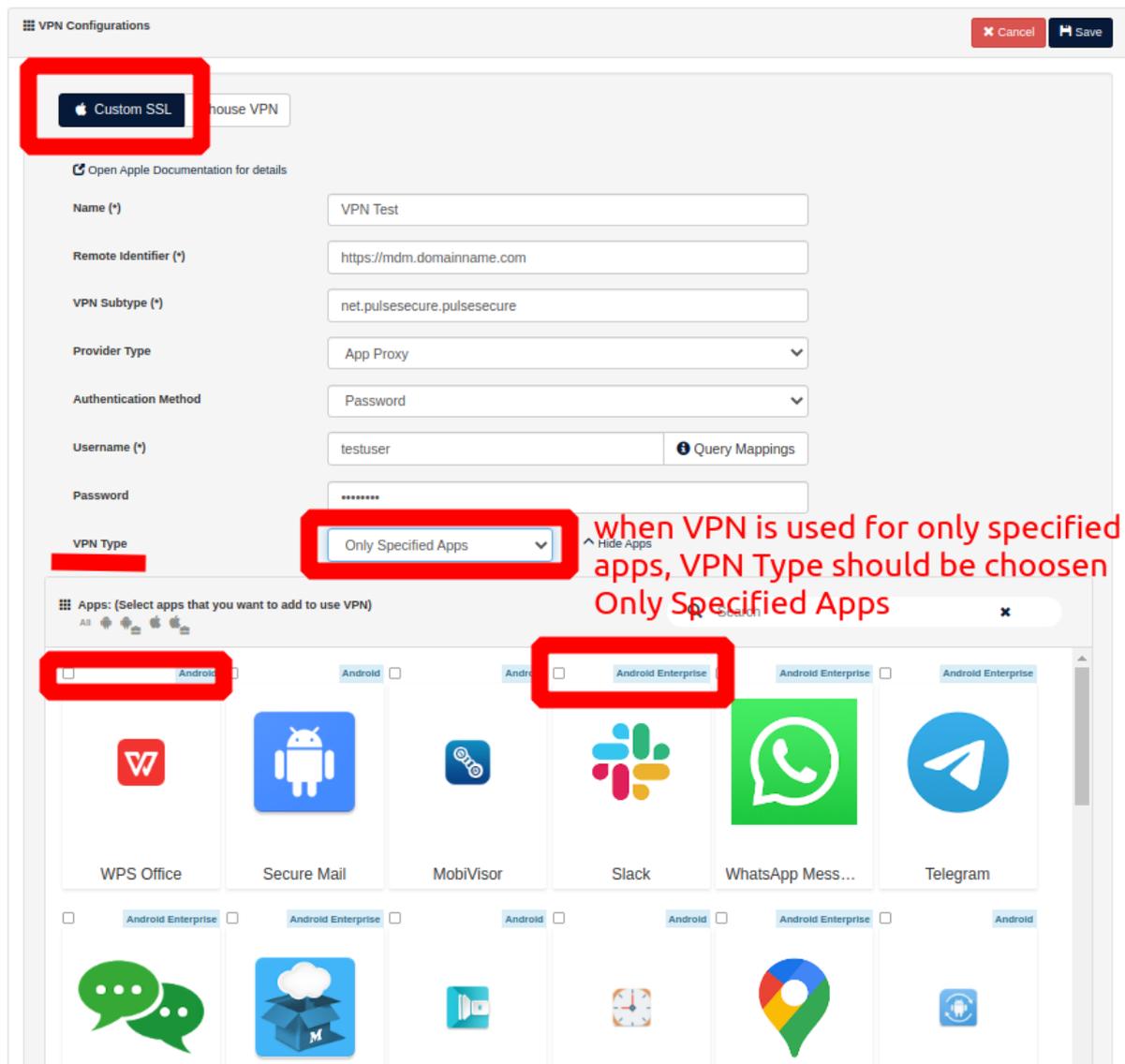
Group

Realm

Role

Login Group Or Domain

"Only Specified Apps" is selected to use VPN for specific applications. Those are selected from the application list displayed at the bottom.



VPN Configurations

Custom SSL Inhouse VPN

Open Apple Documentation for details

Name (\*) VPN Test

Remote Identifier (\*) https://mdm.domainname.com

VPN Subtype (\*) net.pulsesecure.pulsesecure

Provider Type App Proxy

Authentication Method Password

Username (\*) testuser Query Mappings

Password \*\*\*\*\*

VPN Type Only Specified Apps

Apps: (Select apps that you want to add to use VPN)

All

Android Android Android Android Enterprise Android Enterprise

WPS Office Secure Mail MobiVisor Slack WhatsApp Mess... Telegram

Android Enterprise Android Enterprise Android Android Android Enterprise Android

when VPN is used for only specified apps, VPN Type should be chosen Only Specified Apps

## INHOUSE VPN

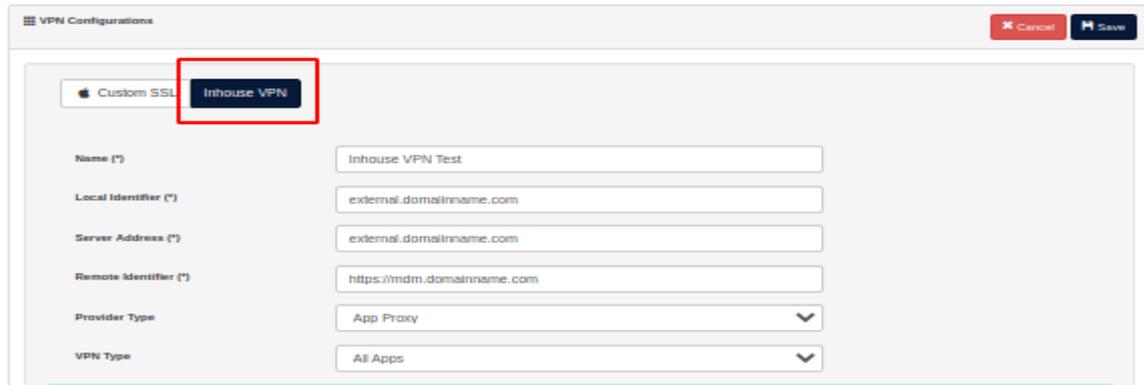
The following settings are common for both iOS and Android:

**Local Identifier:** The ID of the VPN Server is entered here.

**Server Address:** VPN Server Host Address is entered here.

**Remote Identifier:** must start with "https://". VPN Server's URL address should be entered here.

**Provider Type:** Select: *App Proxy* → for use at Application Layer // *Packet Tunnel* → for use at IP Layer



**To set only for iOS, the fields under 'iOS Specific Settings' may be filled.**

**Safari Domains:** The website addresses which you want to connect via VPN from the Safari browser are entered here.

**Associated Domains:** An array with entries that must each specify a domain triggering VPN. The domains need also to be part of the *apple-app-site-association file*, as described in [Supporting Associated Domains](#).

Available in iOS 14 and later, macOS 11 and later.

**Calendar Domains:** An array with entries that must each specify a domain triggering VPN connection in Calendar. Each entry is in the format [www.apple.com](#).

Available in iOS 13 and later, macOS 10.15 and later.

**Contacts Domains:** An array with entries that must each specify a domain triggering VPN connection in Contacts. Each entry is in the format [www.apple.com](#).

Available in iOS 13 and later, macOS 10.15 and later.

**Excluded Domains:** An array with entries that each specify a domain not triggering VPN connection.

Available in iOS 14 and later, macOS 11 and later.

**Mail Domains:** An array with entries that must each specify a domain triggering VPN connection in Mail. Each entry is in the format [www.apple.com](#).

Available in iOS 13 and later, macOS 10.15 and later.

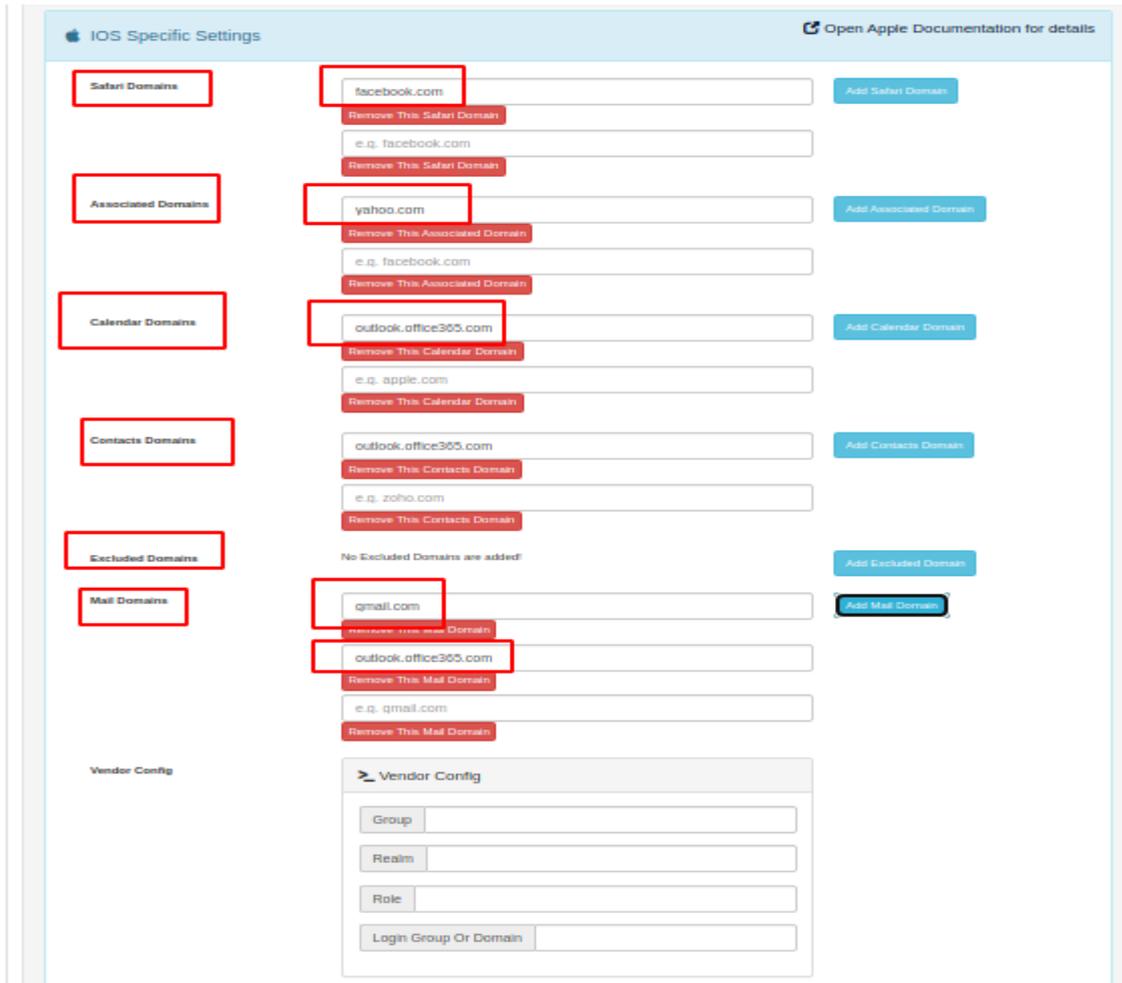
## Vendor Config

**Group:** The group to connect to on the head end is entered here. This key is valid only for Cisco AnyConnect.

**Login Group or Domain:** The login group or domain is entered here.

**Realm:** The Kerberos realm name is entered here. This value should be capitalized properly.

**Role:** The role to select when connecting to the server. This key is valid only for Juniper SSL.



After saving the VPN configurations, it is ready to be assigned to devices. Creating configurations for every single device is not necessary.

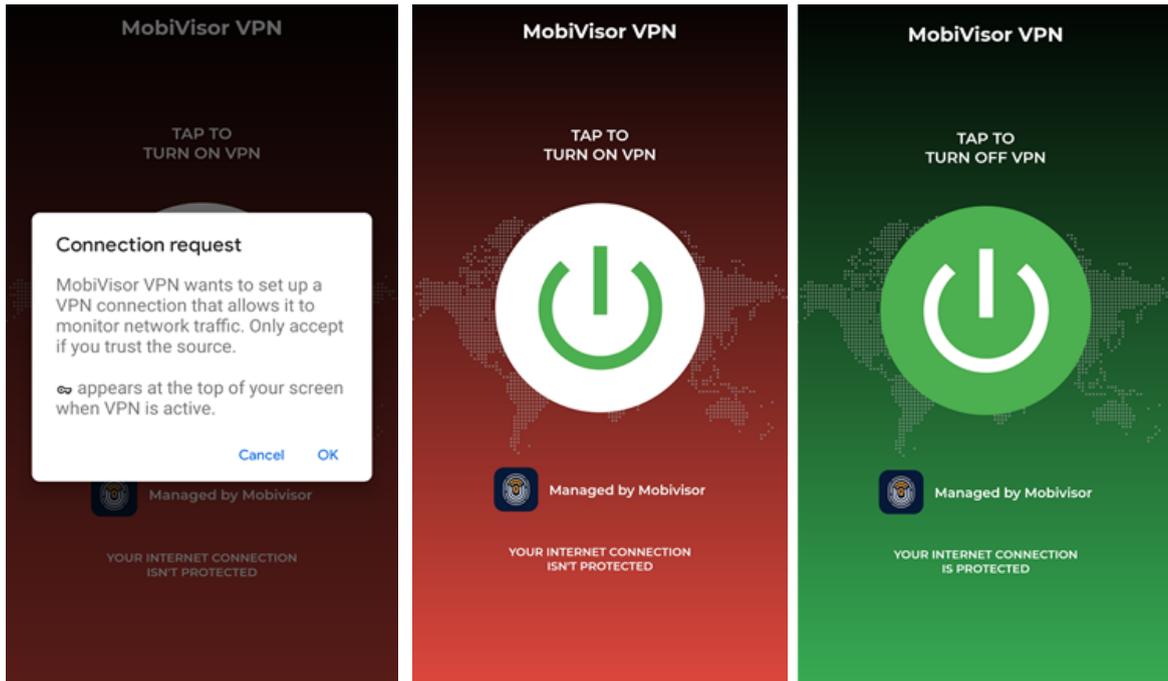
After the VPN configuration has been completed, it is ready to be assigned to the devices. It is not necessary to create the configurations for each individual device.

The group structure simplifies the assignment of the VPN configuration and the MobiVisor VPN App:

First, you can select the MobiVisor VPN App and add it to groups or individual users. Alternatively, add this app to a policy that will be applied to groups.

If you select "Install automatically", the app is automatically installed on the devices.

Next, add the VPN configuration to a policy. You can now also add this policy to groups. (Tip: if the configuration does not start immediately, restart the device).



After having added the application and configurations to the device it is ready to connect. Therefore the connection request has to be confirmed. You can decide whether you turn on or off the VPN button.