

FAMOC & Cisco Umbrella integration guide





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1 What is Cisco Umbrella

Cisco Umbrella is a network solution that monitors network traffic at the DNS level. All network traffic from a managed device can pass through the Umbrella engines and there it is analyzed whether it is free for malware, phishing etc. Cisco Umbrella uses the Internet infrastructure to block access to dangerous places on the network and prevents connection being established, ensuring security regardless of the customer's location. Umbrella redirects DNS queries from our devices to a secure DNS service that updates the knowledge about the network state in real time.

2 Adding Cisco AnyConnect to FAMOC

AnyConnect can be added to FAMOC just like any other application. Simply go to the APPLICATIONS tab and click + button to add a new app.



Then select the platform - Android. Select the option to add an application from the Google Play Store. Enter AnyConnect in the search field, select the appropriate application from the list, and click Next.

Add application					
Select platform	Upload or search	Assign	Corp store	Installation policy	Confirmation
		Add application f	rom Google Play		
Search				_	
anyconnect				×	Search
Search is performed in sto	re for organization's country				
AnyConnect 4.9.06048		^	Description:		More ~
OpenConnect 1.15			COMPATIBLE DEVICES: Android 4.X+ KNOWN ISSUES: - The AnyConnect icon in the notification tray is unusually large. This is a limitation with the VPN Framework Some freezes are known to not use on the Diametric screme - Sili DNS is not a		
Cisco Webex Mee 41.2.2	tings		Platforms:	o occur on the Diagnostics screen - 3	More ~
OpenVPN Connec 3.2.4	t – Fast & Safe SSL VPN Client		Android 10.0 Android 10.0 - Custom		
Cisco Events 8.5		~	Android 10.0 - Manageme	nt API	
					Back

Then continue with the steps up to the confirmation screen.

		Add applica	ation		
Select platform	Upload or search	Assign	Corp store	Installation policy	Confirmation
	Application:	AnyConnect			A
	Package name:	com.cisco.anyconnect.vpn.an	droid.avf		
	Version:	4.9.06048			
	Application groups:	Connect			
	Platforms:	Android 10.0, Android 10.0 - C Android 11.0 - Custom, Andro Custom, Android 4.0 - Samsu 4.2 - Custom, Android 4.2 - Sa Android 4.4 - Custom, Android	Eustom, Android 10.0 - Ma oid 11.0 - Management API ng, Android 4.1, Android 4. msung, Android 4.3, Andro d 4.4 - Samsung, Android 5	nagement API, Android 10.0 - Samsu , Android 11.0 - Samsung, Android 4. 1 - Custom, Android 4.1 - Samsung, A oid 4.3 - Custom, Android 4.3 - Samsu 5.0, Android 5.0 - Custom, Android 5.0	ng, Android 11.0, 0, Android 4.0 - Android 4.2, Android ung, Android 4.4, 0 - Samsung, ~
	The application	has been successfully added.	Choose what you want to o	do next:	
Go to appl	ication list	Go to applicatio	n details	Create new ap	plication

2.1 AnyConnect configuration in FAMOC manage

To properly configure the Umbrella service in FAMOC manage, you will need values such as Organization ID and Umbrella Registration Token.

To get them, log in to the Umbrella portal, then in the Deployments> Core Identities> Mobile Devices tab, click Manage MDMS and download the Android config file.

The process is described in detail at the link below.

https://docs.umbrella.com/deployment-umbrella/docs/android-configuration-download

Once we have added the AnyConnect application to FAMOC manage and we know the Organization ID and Umbrella Registration Token, we can proceed to configuration.

In the APPLICATIONS tab, search for AnyConnect and go to the application details. Then open the Configurations tab. We choose the Android Managed Configurations method.

AnyConnect Varies with device coords FAX		Source File Unk Download link market://details?id=com.cisco.anyconnect.vpn.android.a Install only in work profile	Enable in Managed Google Play store Accepted application policy Mark as important app
Details Availability Screenshots Logs Target devices	Configurations		
Choose configuration method	Configure app using Android Ma	anaged Configuration	
No configuration	Edit		
Android Managed Configuration	Last change: 2021-03-15 02:32:14		
Predefined configuration			

Click Edit. The fields of interest are Umbrella Organization Id and Umbrella Registration Token. Open the Android configuration file downloaded from the Umbrella portal and copy the

appropriate values from the file to the managed configuration.

organizationID - Umbrella Organization Id

regToken - Umbrella Registration Token

The above values should be written in the following format:

{"organizationInfo": {"Value": {"organizationID": <orgid>, "regToken": "<reg
token>"}}}

	Android M	anaged Configur	ation	
All parameters	Search			^
Main parameters	Device Identifier (j)	Data source Fill manually	Value	
VPN Connection List	Report Hardware Identifiers (MAC address and IM	On 👻		
	Allow users to save credentials (j)	Off •		
	Accept SEULA for Users 🥡	Off		
	VPN Connection List 🥡 🗸			
	Umbrella Organization Id	Data source Fill manually	Value	
	Umbrella Registration Token 🕕	Data source Fill manually	Value	
	Umbrella VA FQDNs list (i)	Data source Fill manually	Value	
	Umbrella Domain list 🥡	Data source Fill manually	Value	
	Administrator Email Address (j)	Data source Fill manually	Value	

Then we save the configuration. From now on, the AnyConnect application will install on devices with the parameters set by us.

3 Device operations

After installing the AnyConnect app on your device, launch it. We will receive a notification about the connection request, confirm our consent by clicking OK.

If the process was successful, the application will display the following message about active Umbrella protection:



4 Additional possibilities

Since the AnyConnect app is essentially a VPN client, we can force it to run continuously on the device with the Always on VPN configuration.

In the CONFIGURATIONS tab, we add a new configuration. I choose the Android platform and then the VPN configuration type.

● figuration type	Basic data	Corp store	Installation policy	Configuration parameters	Summary
category: 🕞 VPN	Select the type	e of the configuration	n you want to add.		
category: Or VPN					
in ac			A maker		
uration for Samsung	devices		Android 11.0 - Samsung A	ndroid 10.0 - Samsung And	droid 9.0 - Samsung
uration	dences		Android 11.0, A	ndroid 11.0 - Samsung, And	droid 11.0 - Custom
nect configuration sco AnyConnect client			Android 11.0, A	ndroid 11.0 - Samsung, And	droid 11.0 - Custom
(available for Samsun	ng Devices)		Android 11.0 - Samsung, A	ndroid 10.0 - Samsung, And	droid 9.0 - Samsung
	uration for Samsung iration eect configuration sco AnyConnect client	uration for Samsung devices iration ect configuration icco AnyConnect client iavailable for Samsung Devices)	uration for Samsung devices aration ect configuration sco AnyConnect client available for Samsung Devices)	uration for Samsung devices Android 11.0 - Samsung, A uration Android 11.0, A eect configuration Android 11.0, A sco AnyConnect client Android 11.0, A available for Samsung Devices) Android 11.0 - Samsung, A	uration for Samsung devices Android 11.0 - Samsung. Android 11.0 - Samsung. Android 11.0 - Samsung. Android 11.0 - Samsung. Android 11.0 - Android 11.0 - Samsung. Android 10.0 - Samsung. Android 11.0 - Samsung. Android 10.0 - Samsung. Android 11.0 - Samsung. Android 11.0 - Samsung. Android 11.0 - Samsung. Android 10.0 - Samsung. Android 11.0 - Samsung. Android 10.0 - Samsung. Android 10.

We go through the steps of creating a configuration. The name of the package to be entered is: **com.cisco.anyconnect.vpn.android.avf** (be careful not to close the device's connection with the FAMOC manage server in this way).

Then we can decide to disallow the connection to the network without an active VPN connection.

	New configuration					
Platform	Configuration type	Basic data C	orp store	Installation policy	Configuration parameters	Summary
All parameters	Config	Set the desired paraget guration type: Always on VPN set	meters for th tings (Configura	e configuration. ation name: Umbrella Always (Dn	
Main parameters	VPN packag	e name	Value com.cisco.a	nyconnect.vpn.android.avf		
	Internet cor	nection when VPN is not connecte	d Allow			

We confirm our choice and finish creating the configuration. We can now apply it to the device manually or add it as part of the policy.

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When applied to the device, the connection to the Cisco Umbrella will be permanent, you do not need to manually call it, and the user will not turn it off by accident.