

## How to Configure Apple iOS Devices for Client-to-Site IPsec VPNs with PSK

<https://campus.barracuda.com/doc/46209002/>

For instructions how to more easily configure and manage a client-to-site VPN using CudaLaunch as the VPN client, see [CudaLaunch](#) and [F-Series Firewall Configuration for CudaLaunch](#).

To connect to a client-to-site VPN with an iOS device, you can either manually configure the built-in IPsec VPN client, or use the TINA client included in CudaLaunch to automatically configure the client for you. Always upgrade to the latest iOS version for your device. iOS 6.0 and older do not support certificates longer than 512 bit. Follow the steps in this article to configure Apple iOS devices for an IKEv1 IPsec VPN with pre-shared key authentication.



### Configure the Apple iOS Device

Before you configure the Apple iOS device:

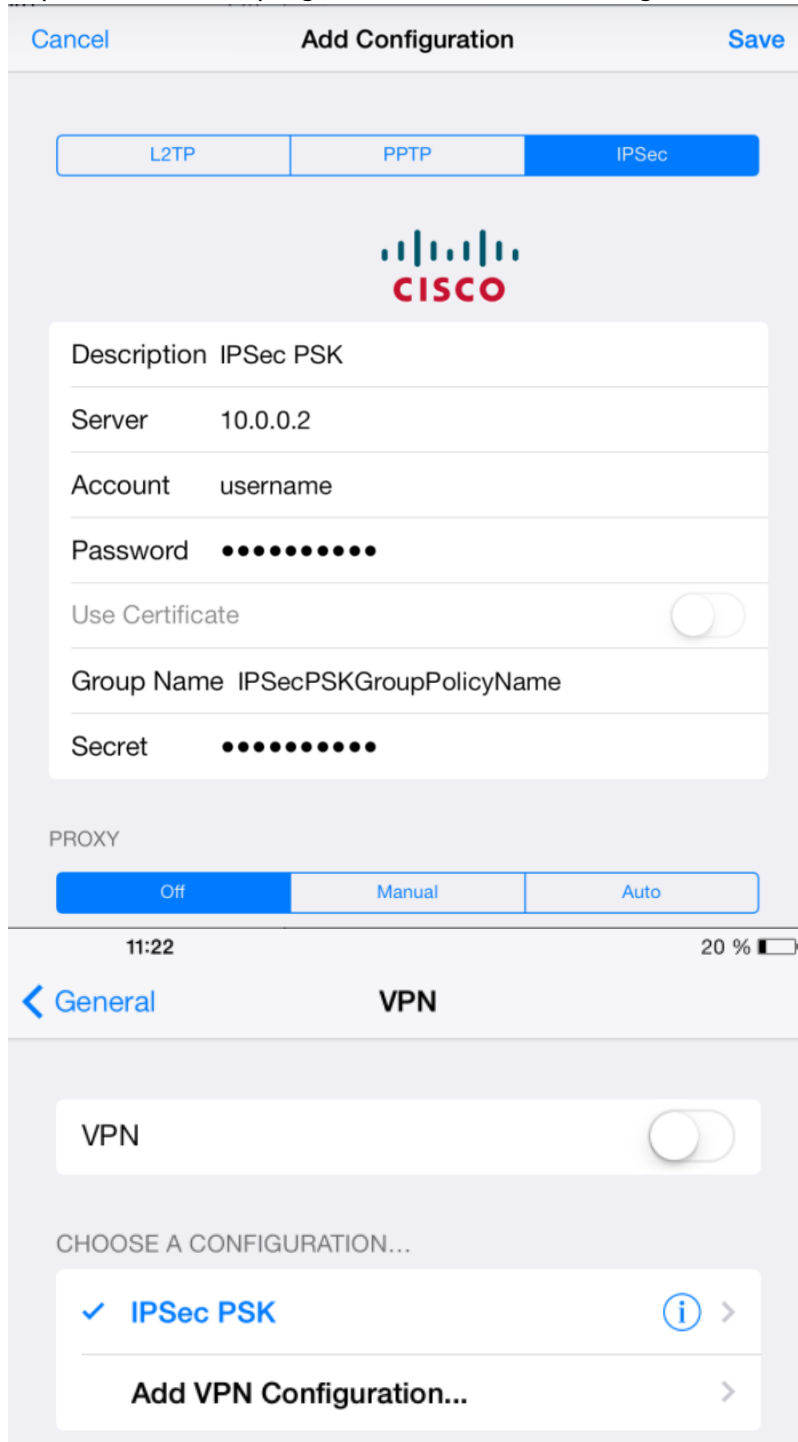
- Verify that the Apple device is running iOS version 5.1 or above.
- Verify that a client-to-site IPsec VPN with PSK has been properly configured. For more information, see [How to Configure a Client-to-Site IPsec VPN with PSK](#).

To configure an Apple iOS device for IPsec VPN connections with the Barracuda NextGen Firewall F-Series:

1. On the Apple iOS device, tap **Settings > General > VPN > Add VPN Configuration**.
2. On the **Add VPN configuration** screen, tap the **IPSec** tab.
3. Configure the following settings:
  - **Server** – The IP address or FQDN that the VPN service is listening on (e.g., 10.0.0.2).
  - **Account** and **Password** – Enter the username and password.
  - **Secret** – Enter the PSK.
  - **Group Name** – Enter the group policy name you entered for the IPsec PSK VPN on the

Barracuda NextGen Firewall F-Series (e.g., IPsecPSKGroupPolicyName). For more information, see Step 3 in [How to Configure a Client-to-Site IKEv1 IPsec VPN with PSK](#)

4. Tap **Save** in the top right corner. The VPN configuration then appears on the **VPN** screen.



The screenshot shows the 'Add Configuration' dialog for a VPN. At the top, there are three tabs: 'L2TP', 'PPTP', and 'IPSec', with 'IPSec' selected. Below the tabs is the Cisco logo. The configuration fields are as follows:

Description	IPSec PSK
Server	10.0.0.2
Account	username
Password	●●●●●●●●
Use Certificate	<input type="checkbox"/>
Group Name	IPSecPSKGroupPolicyName
Secret	●●●●●●●●

Below the configuration fields is a 'PROXY' section with three tabs: 'Off', 'Manual', and 'Auto', with 'Off' selected. At the bottom of the dialog, the time is 11:22 and the battery level is 20%. The background shows the 'VPN' screen with a 'VPN' toggle switch and a list of configurations under 'CHOOSE A CONFIGURATION...'. The 'IPSec PSK' configuration is selected, indicated by a checkmark and an information icon. There is also an option to 'Add VPN Configuration...'.

## Connect to the VPN with the Apple iOS Device

After configuring the Apple device, you can connect to the IPsec VPN.

On your Apple iOS device, tap **Settings** and then turn on **VPN**. After a few seconds, the VPN icon appears in the status bar to indicate that the connection is successful.

Establishing VPN through NAT can be problematic. If you experience connection losses, increase the UDP timeout on the NAT'd device. For example, the iPhone sends keepalive packets every 60 seconds. To increase the UDP timeout for the iPhone, enter any value over 60 seconds.

Unfortunately, many cell phone providers use NAT to connect mobile devices to the Internet. Contact your cell phone provider support for help.

## Figures

1. Client2SiteiOS.png
2. iOSiPadminiVPNclient.png
3. iOSiPadminiVPNOverview.png

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