

## Native Android IPsec VPN Client

<https://campus.barracuda.com/doc/101712713/>

If you are not using the integrated TINA VPN client in CudaLaunch for Android, you can also manually configure the native IPsec client on the mobile device. This setup must be completed on every device that connects to the client-to-site VPN and is valid only for IPsec IKEv2 VPN configurations. The Barracuda CloudGen Firewall VPN service currently supports IKEv2/IPsec MSCHAPv2.

### Before You Begin

- Verify your device is running Android 12 or higher.
- Configure the client-to-site IPsec IKEv2 VPN. For more information, see [Example - Client-to-Site IKEv2 IPsec VPN with Username/Password Authentication](#).
- Copy the certificates to the Android device's internal storage.

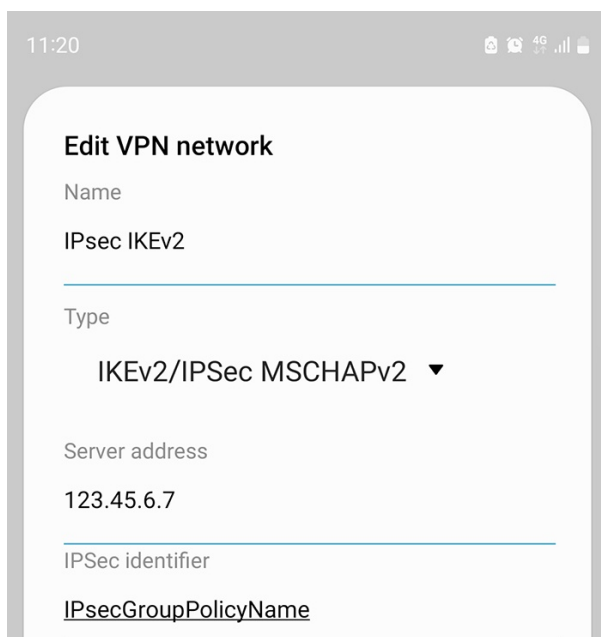
### Step 1. Set Up Certificates on the Android Device

1. On the Android device, tap **Settings > Security and privacy > Other security settings > Install from device storage**.
2. Tap **CA certificate**.
3. Install the root and server certificates from the **Internal storage**.

The certificate appears under **Settings > Security and privacy > Other security settings > Credential storage**.

### Step 2. Configure the Native Android IPsec VPN Client for Client-to-Site IPsec VPN

1. On the Android device, tap **Settings**.
2. In the **Connections** section, tap **More connection settings**.
3. Tap **VPN**.
4. Tap the menu in the right (...) next to **VPN** and select **Add VPN profile**.
5. On the **Edit VPN network** page, configure the following settings:
  - **Name** – Enter a name for the VPN connection (e.g., IPsec IKEv2).
  - **Type** – Select **IKEv2/IPsec MSCHAPv2**. (IKEv2/IPsec RSA and IKEv2/IPsec PSK are currently not supported.)
  - **Server address** – Enter the network address for the VPN service (e.g., 123.45.6.7).
  - **IPsec identifier** – Enter a random string. This string is used as part of the IP Group identifier on the **VPN > Client-to-Site** page.



11:20

**Edit VPN network**

Name

IPsec IKEv2

Type

IKEv2/IPsec MSCHAPv2 ▼

Server address

123.45.6.7

IPsec identifier

IPsecGroupPolicyName

6. Select the previously installed **IPsec CA certificate** (e.g., RootCert).
7. Select the previously installed server certificate (e.g., VPNCert).
8. Enter **Username** and **Password**.
9. Tap **Save**.

To connect to the VPN, tap the VPN profile you just created.

## Figures

1. ipsec\_mschap.jpg

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