

How to Configure Android Devices for Client-to-Site IPsec VPN Connections

<https://campus.barracuda.com/doc/41116236/>

IPsec VPNs are supported for Android version 4.0 and above. Devices with Android version 2.3 are limited to PPTP and L2TP.

The native Android VPN client supports IPsec, L2TP, and PPTP VPNs. Follow the steps in this article to configure an Android device to connect to a client-to-site IPsec VPN with X.509 certificates and XAUTH authentication.

In this article:

Set Up Certificates on the Android Device

1. Copy the certificates to the Android device's internal storage.
2. Tap **Settings** > **Security** > **Install from Storage**.
3. Tap the root certificate.
4. Enter a **Certificate Name** and select **VPN and apps**.
5. Click **OK**.
6. If prompted, enter your PIN or unlock pattern. A message stating, "Root CA installed" appears briefly at the bottom of the screen.
7. Enter a **Certificate Name** and select **VPN and apps**.
8. Click **OK** to install the certificate.

The certificate appears under the **User** tab at **Settings** > **Security** > **Trusted Credentials**.

Set Up the Android VPN Client

1. Tap **Settings**.
2. In the **Wireless & Networks** section, tap **More**.
3. Tap **VPN**.
4. Add the VPN by tapping the plus sign (+) next to **VPN**.
5. On the **Edit VPN profile** page, configure these settings:
 - **Name** – Enter a name for the VPN connection (e.g., WorkVPNConnection).
 - **Type** – Select **IPsec Xauth RSA**.
 - **Server address** – Enter the network address for the VPN service (e.g., 123.45.6.7).

- **IPsec user certificate** - Select the previously installed user certificate (e.g., AndroidCert).
- **IPsec CA certificate** - Select the previously install root certificate (e.g., RootCert).

To connect to the VPN, tap its name.

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