TECHNICAL GUIDE

IKEv2 Client-to-Site Connection Configuration in GFI KerioControl

GFI Software™

Overview

Internet Key Exchange version 2 (IKEv2) is a tunneling protocol, based on IPsec. It is responsible for setting up a Security Association (SA) for secure communication between VPN clients and VPN servers within IPSec. IKEv2 supports all major platforms, including Windows, macOS, Android, iOS, Linux, and routers. The protocol is also compatible with smart devices like Smart TVs and some streaming devices.

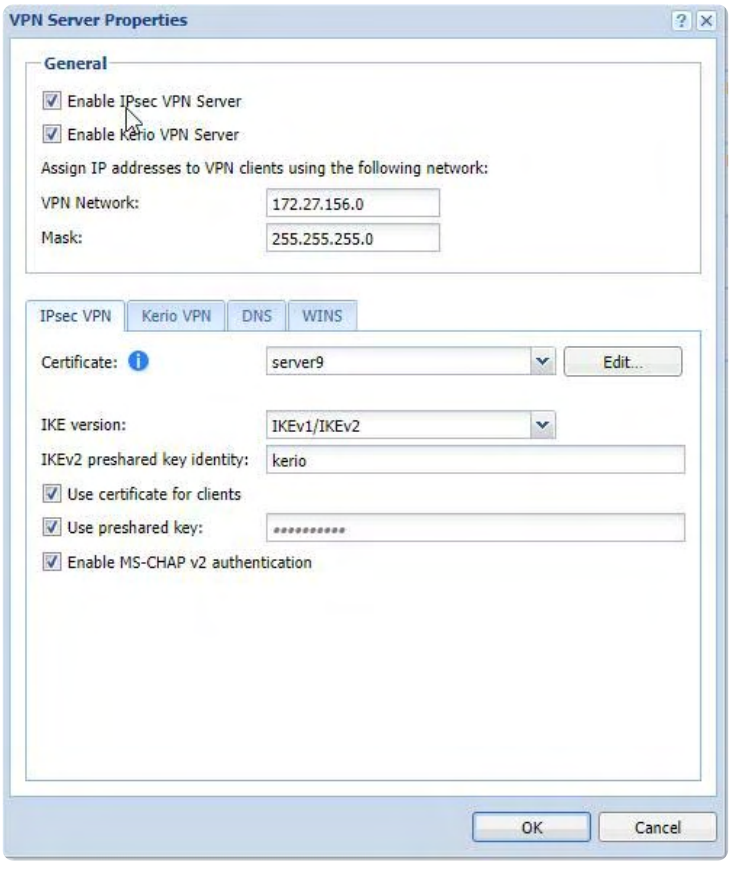
The VPN protocol is widely implemented in mobile devices mainly due to its fast speed, stability, and high reliability when switching between networks. In this guide, we will cover how you can connect your iOS or Android device to the GFI KerioControl firewall over an IKEv2 VPN connection.

iOS devices Using Preshared key

In this section, we will cover how you can connect to the GFI KerioControl firewall over an IKEv2 connection using a preshared key from an iOS device.

Server-side configuration

Configure the VPN interface as below:



Note: You can set your preferred value for “preshared key” and “IKEv2 preshared key identity”.

iOS device configuration

- **Description:** <choose any>
- **Server:** GFI KerioControl domain/IP address
- **Remote ID:** GFI KerioControl domain/IP address
- **Local ID:** IKEv2 preshared key identity from GFI KerioControl VPN server configuration
- **User Authentication:** Set to “username”
- **Username:** GFI KerioControl user having permission to use VPN connections
- **Password:** GFI KerioControl user's password

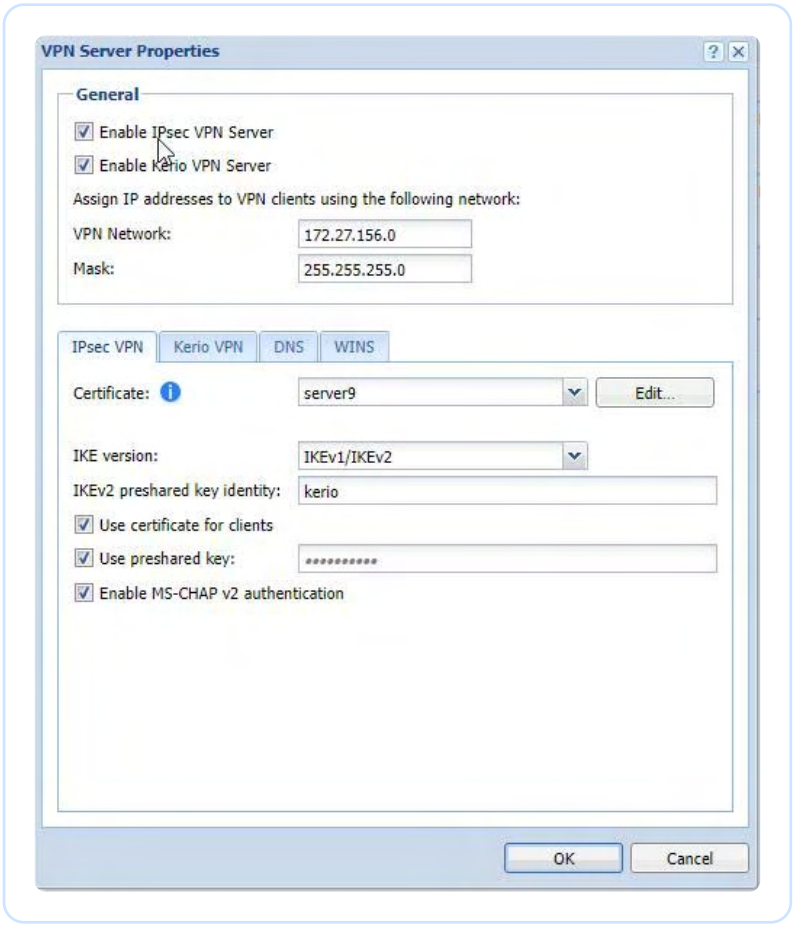
iOS devices

Using a certificate

In this section, we will cover how you can connect your iOS device to the GFI KerioControl firewall over an IKEv2 connection using a certificate.

Server-side configuration

Configure the VPN interface as below:



iOS device configuration

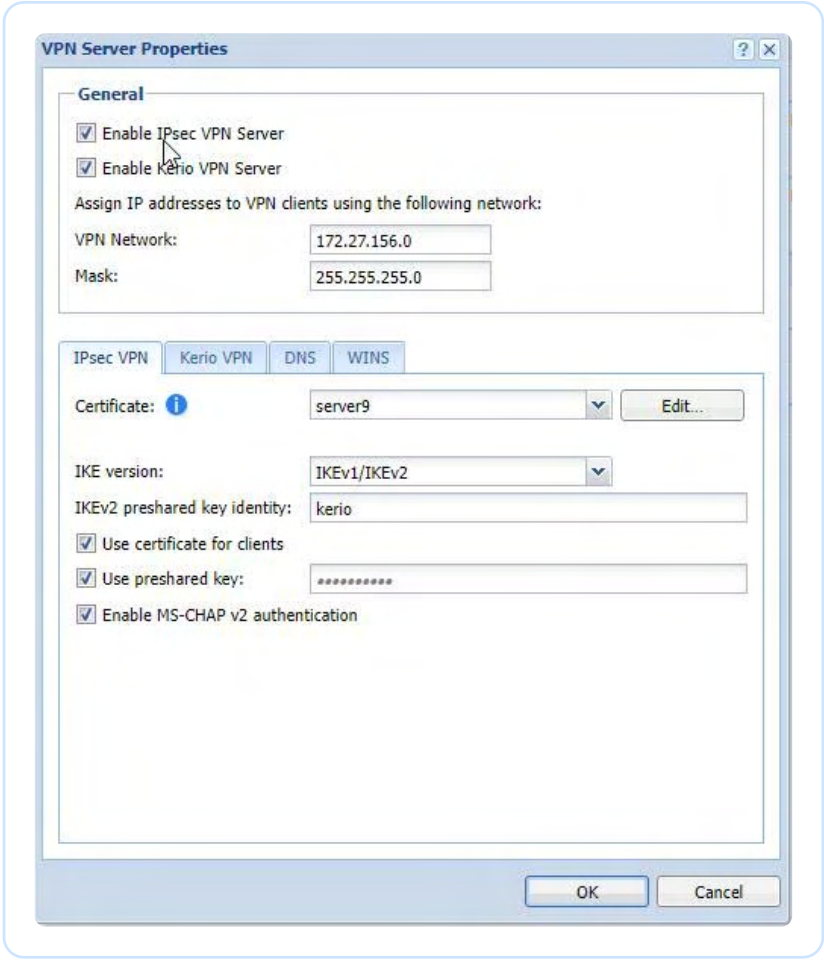
- **Description:** <choose any>
- **Server:** Domain name of the GFI KerioControl certificate
- **Remote ID:** Domain name of the GFI KerioControl certificate
- **Local ID:** GFI KerioControl user having permission to use VPN connections
- **User Authentication:** Set to “username”
- **Username:** GFI KerioControl user having permission to use VPN connections
- **Password:** GFI KerioControl user's password

Android devices

Using certificate

In this section, we will cover how you can connect your Android device to the GFI KerioControl firewall over an IKEv2 connection using a certificate.

Server-side configuration



Client-side configuration

- **Description:** <choose any>
- **Type:** IKEv2/IPSEC MSCHAPv2
- **Server address:** Domain name of the GFI KerioControl certificate
- **IPSec identifier:** GFI KerioControl user having permission to use VPN connections
- **IPSec CA certificate:** In case of self-signed certificates issued by GFI KerioControl, it should be set to the imported 'Local Authority' GFI KerioControl's certificate
- **IPSec server certificate:** received from the server
- **Username:** GFI KerioControl user having permission to use VPN connections
- **Password:** GFI KerioControl user's password

Note: If you're using a LetsEncrypt-issued certificate and face any issues, please add this certificate into trusted CA roots on the Android device.