



# Tutorials

This page describes how to build some typical examples of VPN networks.

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SoftEther VPN is an essential infrastructure to build-up IT systems on enterprises and small-businesses.

## Ad-hoc VPN

[banner1\\_1.jpg](#)

Make an ad-hoc VPN consists of the small-number computers with SoftEther VPN. Despite long-distance, it is easy to communicate mutually with any kinds of LAN-oriented protocols.

## Remote Access to LAN

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Employees need to connect to the company LAN from outside or home? Remote Access VPN realizes virtual network cable from a Client PC to the LAN from anywhere and anytime.

## LAN to LAN Bridge

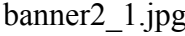
[banner1\\_3.jpg](#)

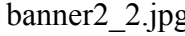
Geologically distributed branches are isolated as networks by default. SoftEther VPN lays virtual Ethernet cables between your all branches. Then all computers of all branches are connected to the single LAN.

[banner2.jpg](#)

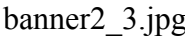
SoftEther VPN can build-up flexible and dependable virtual network around Clouds. Amazon EC2, Windows Azure and most of other Clouds are supporting SoftEther VPN.

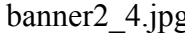
## [Join a Local PC into Cloud](#) [Join a Cloud VM into LAN](#)

Your desktop or laptop PC  can join into the Cloud VM network. You can make use of Cloud VM as if it is on your local network easily.

Your Cloud VM can join to  your company LAN with SoftEther VPN. Anyone on your company can access to the Cloud VM without any settings.

## [Cloud to LAN Bridge VPN](#) [Cloud to Cloud Bridge VPN](#)

SoftEther VPN keeps a  virtual dedicate Ethernet line from the Cloud to the LAN 24h/365d. You can consider remote Cloud private network as a part of your corporate network.

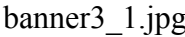
Using Amazon EC2 and  Windows Azure, or using two or more remote datacenters of a Cloud service? SoftEther VPN can make a single united network between all Cloud VMs despite differences of physical locations.

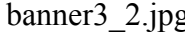
[banner3.jpg](#)

SoftEther VPN supports several mobile devices including iPhone and Android. Your smartphone is now a part of your on-premise or Cloud network by using SoftEther VPN.

## [iPhone and Android](#)

## [Windows and Mac Laptops](#)

iPhone and Android has a  built-in VPN client but originally they need Cisco, Juniper or other expensive hardware-based VPNs for remote-access. SoftEther VPN has a same function to Cisco, and supports iPhone and Android easily.

Your mobile PCs with  Windows or Mac can easily connect to SoftEther VPN anywhere and anytime, despite firewalls or packet filters on Wi-Fi or overseas ISP. Windows RT is also supported.

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SoftEther VPN is also an ultra-convenient tool for effective system management by IT professionals on enterprises and system integrators.

## [Remote Management](#)

A lot of servers, clients and banner4\_1.jpg printers of your client companies are distributed around the state? SoftEther VPN helps a network administrator as a handy tool. Just from your desk, you can reach to any networks which you have installed SoftEther VPN in advance.

## [Building Your Own Cloud](#)

You want to build and banner4\_3.jpg provide your own Cloud service which can beat Amazon EC2 or Windows Azure? SoftEther VPN helps you to build an inter-VMs network and remote-bridging network between your Cloud and your customer's on-premise.

[banner5.jpg](#)

SoftEther VPN is also convenient for home users. You can be proud of using enterprise-class VPN for your home-use.

## [Remote Access](#)

Access to your home server banner5\_1.jpg or digital appliance from outside? Set up SoftEther VPN Server on your home PC and gain access to your server or HDTV

## [VPN for Network Testing, Simulation and Debugging](#)

SoftEther VPN is not a banner4\_2.jpg program only for building remote network. It can be used for network design, test, and simulation by IT professionals. For example, delay, jitter and packet loss generator is implemented on SoftEther VPN so network designer can test VoIP phones under the bad-condition IP network.

## [Comfortable Network Anywhere](#)

Are you a business man and banner5\_2.jpg running around the world? Most of Wi-Fi and local ISPs of several countries are

recorder from anywhere even the opposite side of the earth, through the Internet.

discomfort to use because of packet filtering or censorship. So set up your private relay server on your home PC and use it from fields to gain ease.

[banner6.jpg](#)

Your network administrator hesitates to assign you global IP address? Your company has a firewall on the border between the private network and the Internet? Do not worry. SoftEther VPN has a strong function to penetrate troublesome corporate firewalls.

## [Dynamic DNS and NAT Traversal](#)

Unlike legacy IPsec-based [banner6\\_1.jpg](#) VPN, even if your corporate network doesn't have any static global IP address you can set up your stable SoftEther VPN Server on your corporate network.

## [VPN Azure](#)

If the corporate firewall is [banner6\\_2.jpg](#) more restricted and the NAT Traversal of SoftEther VPN doesn't work correctly, instead use VPN Azure to penetrate such a firewall.

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IPsec-based VPN protocols which are developed on 1990's are now obsoleted. IPsec-based VPN are not familiar with most of firewalls, NATs or proxies. Unlike IPsec-based VPN, SoftEther VPN is familiar with any kind of firewalls. Additionally SoftEther VPN requires no expensive Cisco or other hardware devices. You can replace your Cisco or OpenVPN to SoftEther VPN today.

## [Penetrates Firewall by SSL-VPN](#)

Troubling with IPsec-based legacy VPN products? Replace it to SoftEther VPN. SoftEther VPN Protocol is based on HTTPS so almost all kinds of firewalls permits SoftEther VPN's packets.

## [Replacements of Cisco or other hardware-based VPNs](#)

Cisco, Juniper or other hardware-based IPsec VPNs are expensive for set-up and management. They are also lack of usability and compatibility with Firewalls. Replacement of them to SoftEther VPN is very easy because SoftEther VPN also has the L2TP/IPsec VPN function which is same to Cisco's.

## [Replacements of OpenVPN](#)

Are you still using OpenVPN? SoftEther VPN has more ability, better performance and easy-configurable GUI-based management tools. SoftEther VPN has also the OpenVPN Server Clone Function so that any OpenVPN clients, including iPhone and Android, can connect to SoftEther VPN easily.

## **Examples of Building VPN Networks**

In order to build a VPN by using SSL-VPN Protocol, you should read the following step-by-step guide. This guide describes how to make a "remote-access VPN" and "site-to-site VPN".

- [Examples of Building VPN Networks](#)

## **L2TP/IPsec Setup Guide for SoftEther VPN Server**

SoftEther VPN supports also L2TP/IPsec VPN Protocol as described here. You can accept L2TP/IPsec VPN Protocol on

[iphoneetc.png](#)

VPN Server. iOS, Android, Mac OS X or other L2TP/IPsec VPN compatible client devices can connect to your SoftEther VPN Server. Cisco routers or other vendor's L2TPv3 or EtherIP compatible router can also connect to your SoftEther VPN Server. The following links describe how to setup L2TP/IPsec VPN.

- [L2TP/IPsec Setup Guide for SoftEther VPN Server](#)