



Secure Business Connectivity

HOBLink VPN Anywhere Client

World First: The Universal IPsec VPN Client

Advantages at a Glance

- Universally deployable IPsec VPN client
- Compatible to the VPN-Gateways of leading manufacturers
- No client side installation, no administrator rights required
- No additional driver installation
- Supports customary security standards

Mode of Operation and Functionality

HOBLink VPN Anywhere Client is a VPN client software which was specially designed to provide secure access to centralized enterprise applications and data using IPsec. To build a VPN tunnel from a client to a VPN gateway in the enterprise, HOBLink VPN Anywhere Client doesn't have to be installed on the client device. HOBLink VPN Anywhere Client can be run locally or downloaded from a Webserver. For this, only a Microsoft Windows OS (Windows 7 or Vista) on the client device is necessary. Then the connection is established, independently of which VPN gateway is used in the corporation. Via NAT-T, NAT keepalive, and UDP encapsulation (UDP ports 500/4500), IPsec connections can be made over any router, firewalls or WLAN Hotspots.

As HOBLink VPN Anywhere Client also supports dynamic NAT, IP address conflicts between the client-side IP network and the corporate network are prevented. This is also true when there are several target networks.

All data communications are protected by the use of IPsec and IKE/ISAKMP standards (RFC 2401-ff), including strong encryption and authentication. HOBLink VPN Anywhere Client can be used with all current authentication processes, such as Radius, certificates, username/password, smartcards or tokens. Of course, all commercially available encryption methods, e.g., AES (128/192/256) and 3DES, are supported. There is also an application level gateway (ALG) for FTP and SIP available. This guarantees the security of the corporate data when being accessed from outside. Via the integrated Socks-5 Gateway Applications may reach all servers within the internal networks. Additionally, IPv6 is supported.

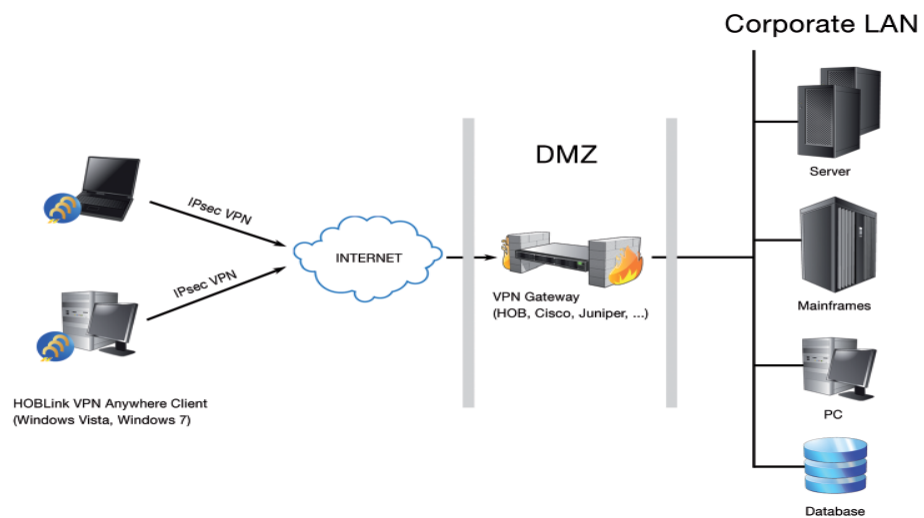


Figure 1: How HOBLink VPN Anywhere Client works

Areas of Use

Centralized data and applications – catchword: “Private Cloud” – an increasingly important subject for corporations. For access to centrally stored enterprise resources, many companies use IPsec VPN connections. On the one hand, security has to be ensured, on the other, the complicated corporate network environment must be able to be modified quickly, for example, by integrating new employees.

HOBLink VPN Anywhere Client is a purely software-based, universal IPsec VPN client, which establishes a VPN tunnel for the user independently of the manufacturer of the VPN gateway in use. Especially when there are very many clients to administrate or the users need to access different VPN gateways, client administration can be very difficult. For these complex deployment scenarios, HOB offers a universal solution in the HOBLink VPN Anywhere Client.

With HOBLink VPN Anywhere Client, centralized enterprise data and applications can be accessed securely and easily, from anywhere and at any time. Beyond that, the user has the freedom to establish such a VPN tunnel without having to install anything on the client, thus avoiding any installation problems. HOBLink VPN Anywhere Client doesn't require any additional driver and administrator rights are not needed on the client side. All you need to do is save the client as an executable file on a USB stick or download it from a Webserver. This saves administration cost and effort.

Highlights

- Universally deployable IPsec client
- No administrator rights, installation, or drivers needed on the client side
- Supports dynamic NAT, eliminating address conflicts
- Supports all commercially available encryption methods and IKE/ISAKMP standards (RFC 2401-ff) for the highest security
- Has an integrated Socks-5 gateway
- Application Level Gateway for FTP and SIP

Future Outlook

In near future the protocol IKEv2 will be supported, too. This guarantees an up-to-date VPN Client Software in the long term.

Technical Data/System Requirements

Client Platforms:

The HOBLink VPN Anywhere Client can be deployed on the following platforms (32/64 Bit):

- Microsoft Windows Vista
- Microsoft Windows 7
- Microsoft Windows 8

HOBLink VPN Anywhere Client Specifications:

VPN Protocols	<ul style="list-style-type: none"> • IKEv1/ISAKMP • IPsec (ESP in tunnel mode)
Encryption	<ul style="list-style-type: none"> • AES (128/192/256) • 3DES
Authentication	<ul style="list-style-type: none"> • HMAC_MD5 • HMAC_SHA1
IPsec Parameters	<ul style="list-style-type: none"> • Replay-Detection • PFS • SA Lifetime (seconds, kilobytes)
IKE Modes Phase1	<ul style="list-style-type: none"> • Main Mode • Aggressive Mode (Hybrid, XAUTH)
IKE Mode Phase 2	<ul style="list-style-type: none"> • Quick Mode
IKE encryption	<ul style="list-style-type: none"> • AES (128/192/256) • 3DES
IKE Hash Functions	<ul style="list-style-type: none"> • MD5 • SHA1
IKE Identification	<ul style="list-style-type: none"> • FQDN, USER_FQDN, KEY_ID • Group Identification
IKE Authentication	<ul style="list-style-type: none"> • Symmetric: Pre-shared Secret, DSA-Certificate, RSA-Certificate • Asymmetric: DSA + User/Password (hybrid, XAUTH) • Smart Card Support (Microsoft Crypto Store)
IKE Parameters	<ul style="list-style-type: none"> • SA Lifetime • NAT-Detection • NAT-T • Dead Peer Detection
Diffie-Hellman-Groups Configuration	<ul style="list-style-type: none"> • 1024/2048 bit MODP • Local, XML

HOBLink VPN Anywhere Client Specification

Basic Functions

- Dynamic NAT

Split tunneling

- Always, firm

Hiding NAT (Network Address Translation)

- UDP Encapsulation
- NAT-T
- UDP Keepalive

ALG (Application Level Gateway)

- For FTP and SIP

Documentation, English

- Administrator Guide in .pdf

System Requirements

PC Operating System

- Windows Vista
- Windows 7
- Windows 8

Network Interface

- LAN/WAN adapter

Vendor Compatibility

- Cisco
- HOB
- Other RFC2401ff conformant vendors

Internet

- All connections supported by the OS

About HOB

HOB GmbH & Co. KG is a German medium-sized company, developing innovative software solutions that are marketed worldwide.

The core competencies of HOB, founded in 1964, comprise server-based computing, secure remote access, VoIP and virtualization. HOB products are deployed in small, mid-sized and large enterprises and are certified according to Common Criteria by the Federal Agency for Security in Information Technology (BSI).

HOB currently employs about 120 employees in its headquarters in Cadolzburg and its branch offices. More than half of these employees work in the development department. HOB has branch offices in Malta and the USA as well as a partner company in Mexico.

HOB, Inc. is a fully owned subsidiary of HOB GmbH & Co. KG. It was founded in New Jersey in April 2000 and is currently headquartered in Hawthorne, NY.

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