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WhitePaper

HOB Remote Desktop VPN

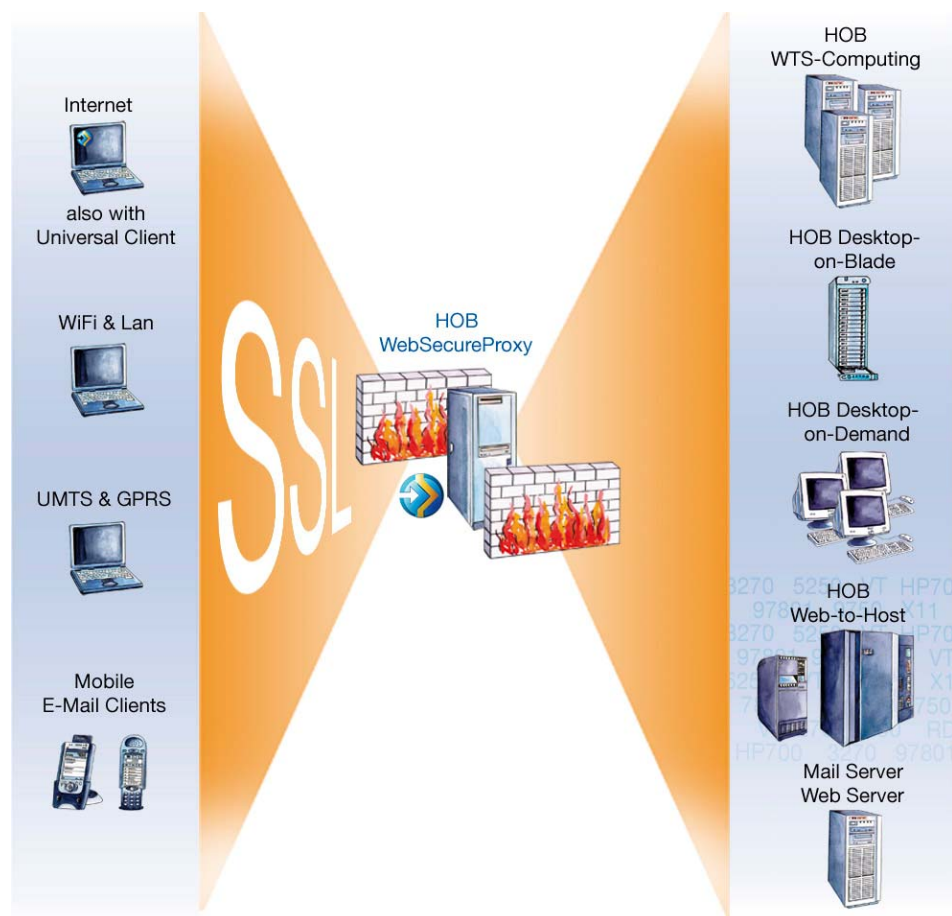
Secure access for remote workers and
business partners to your enterprise network

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HOB RD VPN

With HOB RD VPN (Remote Desktop Virtual Private Network), HOB, Inc. offers you highly secure remote access to applications and data in your enterprise network. RD VPN uses the appropriate communication protocol for the target system (e.g., RDP for Windows-based systems or 3270 for IBM Mainframes, etc.). Used together with the HOB X11Gate, RD VPN also provides remote access to Unix/Linux desktops. As this software can be run as an applet downloaded from the Internet, nothing has to be installed on the client machine, thus any Internet-capable computer can be used.



In the following, you will find described the wide variety of RDP (Remote Desktop Protocol)-based connection scenarios available with this versatile solution:

1. HOB WTS Computing

Access to Microsoft Windows Terminal Server Farms

This HOB solution provides secure remote access to Windows Terminal Server farms, even over the Internet. The HOB WebSecureProxy shields the individual terminal servers from direct access over the Internet. It also manages the load

distribution/connections over the individual servers according to the CPU load, providing you with real load balancing.

2. HOB Desktop-on-Blade

Remote access to blade server farms

As an alternative to Windows Terminal Servers, blade server farms running Windows XP Professional as OS can also be accessed. Here, too, the HOB software manages load balancing for the individual blades. Individual blades can be prioritized, so that, for example, particularly powerful ones will be used first and slower, less powerful blades can serve as backups.

3. HOB Desktop-on-Demand

Access to workstation PC's

This HOB solution provides remote access to Windows XP Professional workstations. This remote access is even available when the workstation PC has been switched off. The HOB WebSecureProxy uses the Wake-on-LAN functionality integrated into modern computers to switch on the target computer over the Internet.

In all three of the above-mentioned scenarios data can be exchanged over an RDP connection. With HOB WTS Computing this is true for the Windows 2000 Server as well as the Windows Server 2003. Print output, independent of the printer hardware used on the client side, is provided by the HOB EasyPrint technology, which uses a standard printer driver on the server side.

The SSL protocol is used to secure communications over the Internet. All known algorithms, for example, 3DES or AES with up to 256-bit key lengths are supported.

4. HOB WebSecureProxy

Access to enterprise servers

The HOB WebSecureProxy can, in addition to the scenarios described above, also forward any SSL queries from external client applications to servers within the enterprise network. For example, a client-side MS Outlook can exchange e-mail (SSL-secured by, e.g., POP3S, IMAPS or SMTPS) with the enterprise mail server. The mail server itself doesn't use any SSL encryption and cannot be directly accessed by the e-mail clients. The HOB WebSecureProxy shields the target system from direct access over the Internet.

5. HOB WebSecureProxy Web-Server-Gate
Access to Web servers in the enterprise network

The HOB WSP Web-Server-Gate enhances the HOB WebSecureProxy's functionality. Queries arriving from a Web browser can be redirected to internal Web servers. Communications between the client-side Web browser and the HOB WebSecureProxy are performed via HTTPS, between the HOB WebSecureProxy and the target system via HTTP. The client addresses the desired target system via the parameters added to the URL. These parameters are evaluated by the HOB WSP Web-Server-Gate.

6. HOB WSP Universal Client
SSL tunneling for local client queries

The HOB WSP Universal Client provides SSL-incapable client software with the functionality of a local client SSL-gateway. The HOB WSP Universal Client can be locally installed or run as an applet downloaded via a Web browser. Client-side TCP-queries are accepted at a defined TCP port and forwarded to the corresponding target system via the HOB WebSecureProxy. The client applications direct their queries to "localhost" as the target system. You don't need local administrator rights on the client side in order to use the HOB WSP Universal Client. You can find more information on this in the white paper "HOB WSP Universal Client."

7. HOB Web-to-Host

All of the above-mentioned scenarios also can be used together with HOBLINK J-Term, the powerful Web-to-host solution from HOB, giving you access to legacy systems.

HOB RD VPN, is much more flexible than conventional SSL VPN solutions, as it works with every Windows and legacy application in your corporate offices.

An advantage HOB RD VPN has over IPsec-based VPN solutions is that there is no need to install anything on the client side, making deployment easier, faster and truly universal. Plus: HOB RD VPN comes with a powerful virus protection option.