



**Technology  
Future  
Communication**

**Whitepaper**

## **HOB RD VPN**

***HOB Remote Desktop Virtual Private Network***

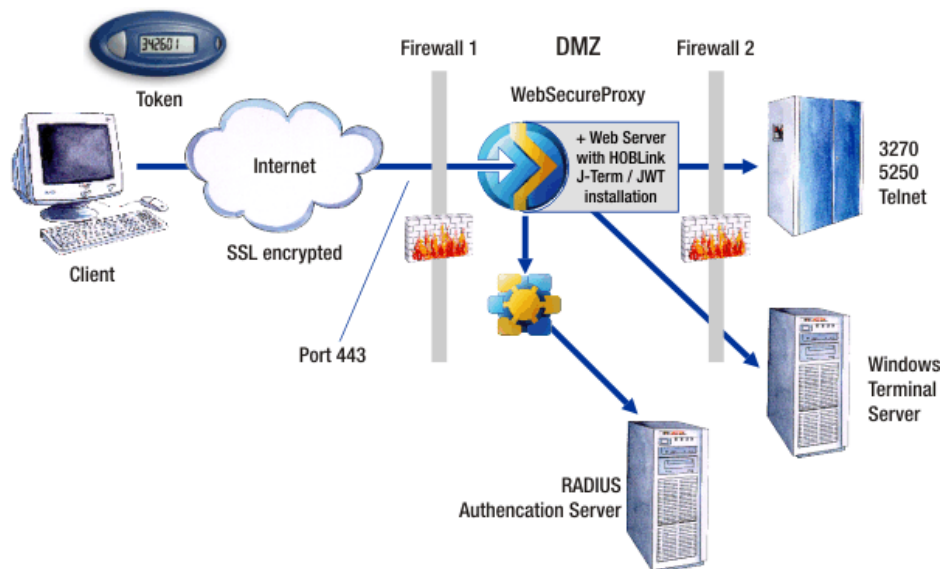
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## HOB RD VPN

With RD VPN (Remote Desktop Virtual Private Network), HOB offers highly secure access to internal company applications and data. To achieve this, the user need not install anything. Also, this secure access is available from any Internet connection, anywhere.

### HOB Remote Desktop Virtual Private Network



#### Strong authentication by client certificates or tokens

The client computer is connected to the company network via Microsoft's RDP (Remote Desktop Protocol). There are many ways to accomplish this. HOB RD VPN enables you to access three different types of scenarios:

1. Access to Microsoft Windows Terminal Server farms: HOB WTS Computing.  
The HOB solution provides you with secure access to Windows Terminal Server farms even over the Internet. Hereby, the HOB WebSecureProxy (WSP) protects the Terminal Servers from being directly accessed from the Internet. The WSP also controls access to the individual servers in the farm, depending on their actual CPU load. This function is real load balancing.
2. Access to virtual machines: HOB VDI Business  
Alternatively to the Windows Terminal Server, virtual machines equipped with the Windows XP Professional / Windows Vista / Windows 7 operating systems can be addressed. Here, too, the HOB solution ensures proper distribution to the various VMs. In order to preferably utilize especially performant VMs, you can set a corresponding priority list..
3. Access to workstations: HOB Desktop-on-Demand  
This HOB solution provides your users with access to company-internal Windows XP Pro / Vista workstations. Hereby, the workstation need not even be switched on. The HOB WebSecureProxy makes use of the Wake-on-LAN functionality, included in modern computers, to switch on the target computer, even over the Internet.

In all three above-mentioned scenarios, files can be exchanged via the RDP connection. With HOB WTS Computing, this goes for the Windows 2000 Server as well as for the Windows Server 2003. The printer-hardware-independent print output on the client side is enabled 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 existing algorithms, for example, 3DES or AES with up to 256-bit key lengths, can be used.

HOB RD VPN is, in comparison with conventional SSL VPN solutions, more flexible, as every Windows application in the company network can be used. Application-specific connectors need not be deployed. The SSL security from HOB passed the Common Criteria Evaluation on level EAL2.

The time and effort of making installations on the client side, as well as virus protection between the connected clients and the central company network, required for IPSec-based VPN solutions, are not needed for the HOB RD VPN solution.

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