HOB Cyber Security

Case Study: Pharmster

The Russian enterprise Pharmster develops technologies for pharmaceutical and hospital technology. Pharmster provides and installs medical equipment, and performs support services. Pharmster develops technologies for medical sterilization as well as for packaging and sealing sterile treatment tools. In addition to this, Pharmster sells packing materials and measuring instruments.

The starting point: Working remotely in the field

The medical technology manufacturer Pharmster has about 100 employees, at least half of which regularly do telework. When, for example, the operation of a sterilization device is being explained to a customer or a support team member is on the road, it is often necessary to remotely access data stored on the corporate server in the central office. As data in the healthcare area are often confidential and subject to strict privacy rules, they should never be stored locally on an employee's device. If it were lost, unauthorized persons could gain access to a highly confidential data structure, which absolutely must be avoided.

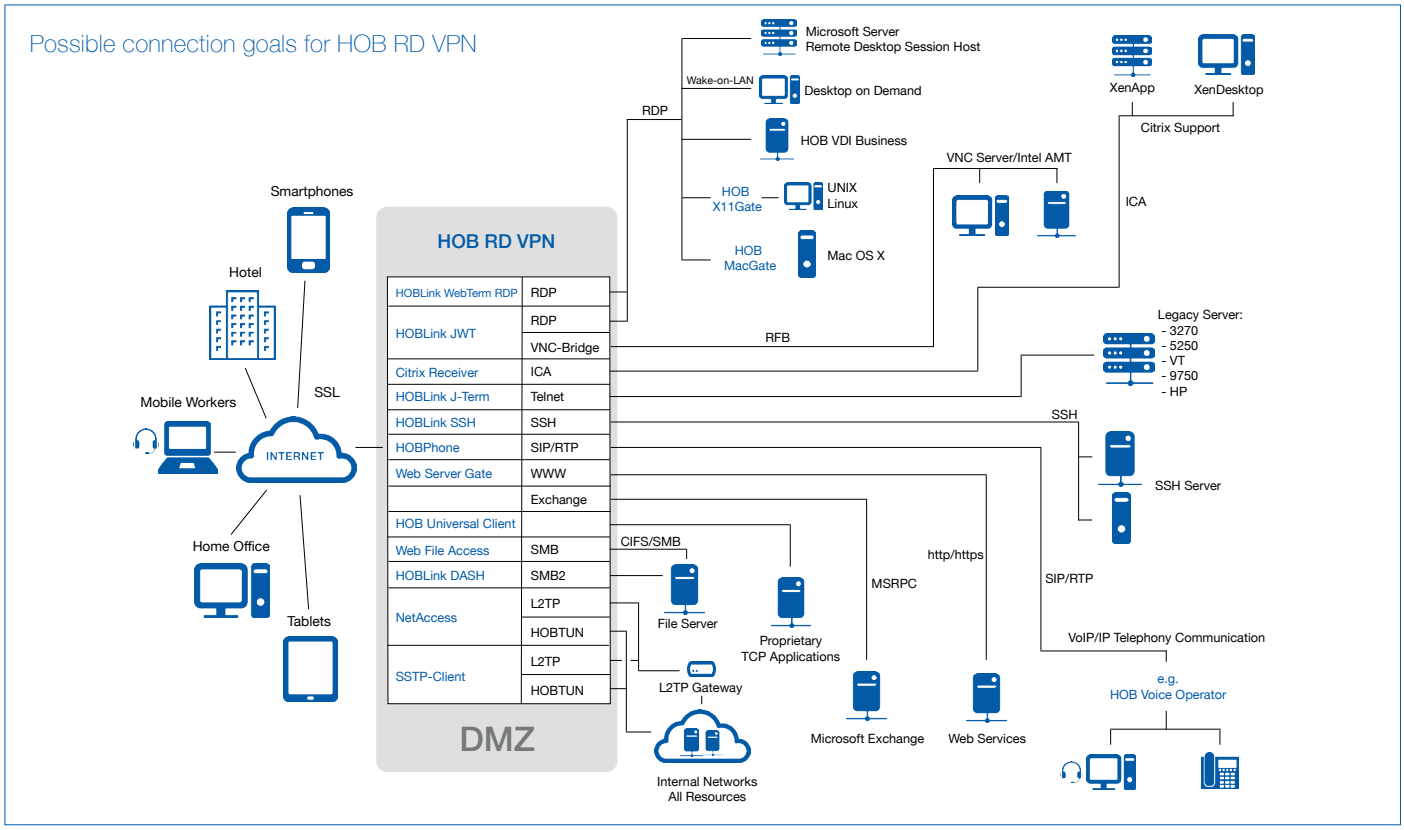
The goal: Exact definition of access rights

Pharmster's IT works with Microsoft Terminal Servers and file servers. The employees engaged in telework use computers running a Windows operating system, with which they can access a terminal server and use the local resources such as printers and drives. Previously, when on the company premises these people needed the program Microsoft Remote Desktop; for access from outside they needed a VPN connection, also from Microsoft. The decisive drawback of both these solutions is, that no differentiated access rights for the users can be assigned. With the Microsoft RDP Client, access to local resources such as printers or drives can either be generally granted or denied. The permissible direction of access to the drives cannot be configured with these Microsoft products. As at Pharmster, however, employees in widely differing positions work remotely and each requires access to different data, and some of them are not permitted access to certain data, a differentiation of access rights is indispensable.

The solution: HOB RD VPN

This challenge brought Pharmster to HOB RD VPN, the remote access solution from HOB which successfully solved exactly this problem. HOB RD VPN is a comprehensive secure remote access suite that makes possible secure access to centrally stored enterprise data over the Internet. Hereby, this software solution need not be installed on the deployed terminal devices nor need it be administrated. The users conveniently access their applications, desktops and enterprise servers over their browsers. The centrally administrated user configuration allows you to configure individual access rights and settings for each user. Additionally, the connections are always encrypted via SSL (TLS). The software enables a fast exchange of data and thus helps increase work efficiency. Furthermore, with HOB RD VPN a sub-directory within a directory can be created, whereas with Microsoft only complete directories are possible. HOB RD VPN is also ideally suited for integrating printers, providing smooth and easy printing.

By using HOB RD VPN, Pharmster can now individually assign differentiated access rights. This way, for example, one user group is assigned the right to copy files from the Terminal Server to the remote client and also to upload them. Another user group may only upload files. As this assignment of rights for the specific requirements of the Russian pharmaceutical company is decisive, HOB RD VPN is the ideal solution. HOB RD VPN also provides high security and protection from external attacks. This software solution doesn't only solve all the problems found at the starting point, it also protects the enterprise from hackers.



About HOB

HOB is a mid-sized company, developing innovative and multiply rewarded software solutions that are marketed worldwide. The core competencies of the successful company 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.

Further, some HOB products are certified according to Common Criteria EAL 4+ by the German Federal Office for Information Security. HOB remote access solutions received the quality mark from TeleTrust "IT Security Made in Germany."