



Secure Business Connectivity

HOBLink JWT 3.3

Flexible Access to Remote Desktop Server

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HOBLink JWT – Flexible Access to Remote Desktop Server

Advantages at a Glance

- No installation and administration rights needed on client side – easily and quickly deployable
- Tailor-made solution according to your needs, independent of operating systems used
- Access to desktops is possible, too
- Perfect use of existing infrastructure for long-term protection of your previous investments
- Scalable solution – adaption to new circumstances made easy
- Realizing trends like mobile workplaces becomes a child's play

Overview

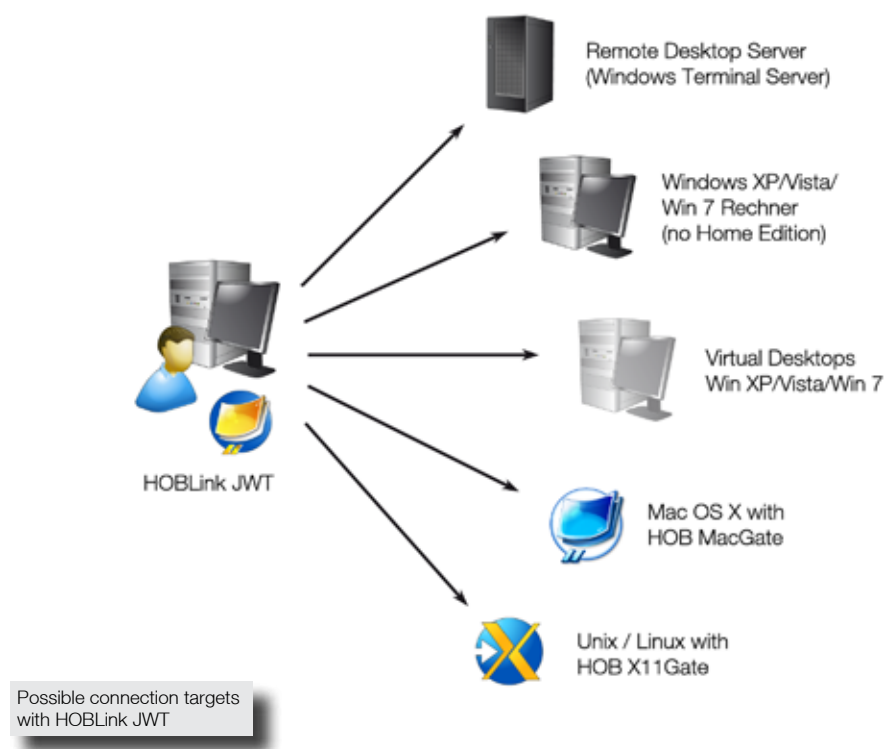
Companies increasingly have to bear internal as well as external challenges. Only those that design work processes effectively and protect company knowledge, are able to preserve its competitive advantages. With this in mind, more and more companies apply current IT trends like cloud computing or mobile workplaces. In order to appropriately realize these concepts, a central storage of company data and applications is of greatest importance. A secure and flexible access to these data has to be guaranteed at all times, of course. HOB makes a valuable contribution with HOBLink JWT, the innovative RDP client for flexible access to Remote Desktop Server (formerly Windows Terminal Server). Realize your projects in an affordable and effective way – including various options for a tailored solution according to your needs.

Areas of Application

The areas of application of HOBLink JWT are as individual and variable as your company. No matter, if you are on a business trip in a hotel, at the airport, or at a customer's site: whenever you would like to remotely access Remote Desktop Server, VDI, or desktop systems via RDP, HOBLink JWT is the perfect solution. Secure, flexible, and fast. Optionally you can access even Macs or graphical Linux/Unix interfaces. Use any java-capable platform for accessing central company resources. A further advantage: even if your desktop PC is turned off, it may be turned on remotely. This works with the integrated Wake-on-LAN module. This is really comfortable, saves energy costs and supports Green IT.

Since HOBLink JWT can be easily integrated into your existing IT infrastructure, previous investments are protected. Moreover, HOBLink JWT is compatible to third party

environments like, e.g., thin clients, appliances or cloud portals. This provides you with the required flexibility. And if your IT- or company structure will change in the future, HOBLink JWT adapts reliably. So you are prepared best for the future. Another advantage: centrally storing company data and applications increases data security, ensures a higher level of control and eases administration. Company resources are always protected by the use of modern authentication mechanisms as well as encryption methods, of course.



Functions and Way of Operation

HOBLink JWT is an HOB-owned RDP client for accessing Remote Desktop Server, VDI and desktop systems. It does not matter if you are using Windows-, UNIX-, Linux- or Mac OS applications. Due to the integrated load balancing mechanism all server inquiries are optimally distributed to the available hardware: resources are perfectly used, maybe even server consolidations become possible. Optionally the client automatically connects to the least used server or you may manually choose from a list of available servers.

By this, users can easily and securely access central company resources from any client. The advantage: HOBLink JWT is completely platform-independent on client side. You can flexibly decide which device is used. The user is more independent and can create an individual working environment according to his needs: the performance is significantly

enhanced. Even more: to use HOBLink JWT, there is no need for an installation or administration rights on the accessing device. A Java-capable Web-browser is completely sufficient. This saves time and reduces administration effort. After the user has been centrally configured once, he may directly start to work. So, even BYOD (Bring Your Own Device) becomes a child's play. And if a connection is terminated unwantedly, the user can simply reconnect to the disconnected session – data cannot be lost.

Strong Performance with RDP

RDP is the leading industry standard for the transmission of graphical user interfaces. RDP is very powerful and offers a multitude of useful functions. In a large-scale benchmark test, none of the many other protocols being tested against the latest version of RDP were superior or even comparable in functionality or performance.

In realistic benchmark tests between RDP and VNC protocol (RFB – Remote Framebuffer Protocol), VNC exchanged seven-times the amount of data. Also the comparison of RDP to the proven X-Protocol (X11, MIT) delivered results of a similar magnitude. The comparison of the exchanged data volume corresponds approximately to the ratio of the response-times, i.e., the amount of time the user waits, e.g., for the image to be refreshed.

■ Application Serving

The application serving function allows the automatic execution of a pre-determined application as soon as the user has logged onto the server. Thus, not the whole Windows desktop is available to the user. So irritation, in particular when dealing with unpracticed PC users, can be prevented.

■ Flexible Printing Options

With the „Universal Printer Support“, HOBLink JWT offers numerous printing options: either on a local or network printer – for greatest possible comfort and flexibility. The following options are available:

- Local Print (Printing on a local or network printer via a driver at the remote desktop session host)
- Easy Print (Print on a local printer with local driver)
- LPR/LPD Print
- IP Print (Print to an IP-Port of the network printer)
- With Windows, even an automatic printer mapping is possible

Easy Print offers you a great advantage: print data are processed in PCL format. Thus, drivers on client side need not be additionally installed on the server. This saves time and decreases administration effort.

■ Java Web Start

HOBLink JWT supports Java Web Start Technology from Oracle. The HOBLink JWT applet is down-loaded from the webserver only at the first start. Afterwards it will be executed from the local cache – even with a slow Internet connection data can be accessed quickly. If there is a new version on the server, HOBLink JWT notices that and reloads the update accordingly.

■ International Keyboard Layouts

HOBLink JWT does not only support German keyboards but offers you a variety of international keyboard layouts, as well (e.g., US-English, French, Dutch, and Spanish). So you can use HOBLink JWT easily in an international environment – without annoying compatibility problems.

■ 64-bit Windows Support

Windows Server 2003/2008/2008 R2 are supported for Windows 64-bit, too. On the server you may run 32- and 64-bit applications in parallel.

■ Virtual Channel Support

Due to the integrated Virtual Channel Support, third party applications (Java applications, as well) can communicate via the RDP connection with the server. Moreover, pre-defined channels may be treated preferentially.

Security

Security is written large at HOB: this is why HOBLink JWT contains many functions to individually protect your data. On the one hand, several options for encrypting data communication are available, on the other hand also the authentication may be defined according to your needs.

■ Encryption Options

Standard encryption of the remote desktop session host, optionally with low, medium, or high security level (client – server 40- or 56-bit RC4 respectively, bi-directional 40- or 56-bit RC4 respectively, or 128-bit RC4). Of course, an encryption of the communication to the server (starting with Windows Server 2003) with SSL or TLS is possible.

■ Proxy Server

Even yet configured SOCKS or http-proxies are automatically recognized and used for communication by HOBLink JWT.

■ Support of Tokens for Authentication

In order to achieve perfect data security, HOB recommends the use of authentication systems (tokens). HOBLink JWT supports all systems with RADIUS interface, e.g., RSA SecurID, SafeWord and Vasco Digipass (optional if using HOB WebSecureProxy as part of RD VPN).

Optional Components

As to perfectly design HOBLink JWT according to your custom needs, HOB offers you further, optional components. These components are perfectly matched with HOBLink JWT. You will profit from many further benefits..

■ Access to Macs and Linux/UNIX Desktops

HOB MacGate provides you with remote access to Macs running Mac OS X. For the access to graphic Linux/Unix interfaces you can combine HOBLink JWT with HOB X11 Gate. By this, even access to these systems is easily realizable.

■ Central User Administration with HOB Enterprise Access (HOB EA)

As to further ease the administration of HOBLink JWT, it may be jointly used with HOB EA. This allows for central administration of all users and configuration data. For a good overview, users can be displayed in a group or tree structure. HOB EA supports all important directory services (e.g. Microsoft Active Directory) via the LDAP interface. Thus, systems that are already in place may be used ongoing – really flexible.

■ HOB Remote Desktop Enhanced Services (HOB RD ES)

HOB RD ES is completely compatible to HOBLink JWT and optimizes access to Remote Desktop Server. You will find detailed information about the included functions and its use in the data sheet of HOB RD ES.

- HOB RD ES Manager: Configure HOB RD ES quickly, easily and – most important – centrally
- HOB Enhanced Load Balancing: Use parameterized load balancing and define the load of your servers in a very granular way.
- True Windows: Work as if you were sitting directly in front of the application
- HOB Enhanced Local Drive Mapping: Also access local drives (CD-ROM, hard disks, USB-sticks). Access restrictions can be individually defined.
- HOB TWAIN: Flexibly use a local scanner – without any central installation on the server
- Application Publishing: Publish an application for all users with just some clicks
- HOB Printer Port Mapping
- HOB PCL Printer

Highlights

- Central installation and configuration, optionally local installation, too – according to your needs
- Central user management with HOB EA as an option – with this, even large installations can be easily administered.
- Automatic reconnect when a session is disconnected – no data loss
- Support of the protocols RDP 4 up to RDP 7 – HOBLink JWT adapts itself
- Full Screen Mode – Working as if you are directly sitting in front of the application
- Client connections via LAN/WAN, dial-up line, ISDN, xDSL, UMTS, VPN
- Automatic version control (smart update) – be always up to date
- Session Shadowing – the administrator may look into current client sessions
- Smartcard Re-Direction – supports the log in at the Windows Server
- Secure encryption – for highest security
- Audio transmission

System Requirements

Windows Remote Desktop Server

HOBLink JWT can access the following systems:

- Microsoft Windows NT4 TSE
- Microsoft Windows Server 2003/2008/2008 R2
- Microsoft Windows 2000 Server Professional/Advanced Server
- Microsoft Windows XP Professional
- Microsoft Windows Vista
- Microsoft Windows 7

Web Server

HOBLink JWT can be installed on any web server, independent from the operating system

Client-Platforms

HOBLink JWT can be executed on all platforms supporting Java 1.4 or newer. Required is a JVM (Java Virtual Machine) on client side which e.g., is co-installed with browsers (Microsoft Internet Explorer, Opera, Mozilla Firefox, Safari, Google Chrome, etc.)

The following hardware is recommended for the client device:

- RAM: min. 128 MB free for Java and HOBLink JWT
- Processor min. Pentium with 1 GHz

Further Information

You can find information about the characteristics of HOB software solutions that optionally complement HOBLink JWT in the corresponding data sheets (HOB RD VPN, HOB RD ES, HOB MacGate, HOB X11 Gate)

Company Profile

HOB GmbH & Co. KG is a German medium-sized company, developing innovative and multiply rewarded 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. Some HOB products are certified according to Common Criteria. HOB remote access solutions received the quality mark from TeleTrust "IT Security Made in Germany."

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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