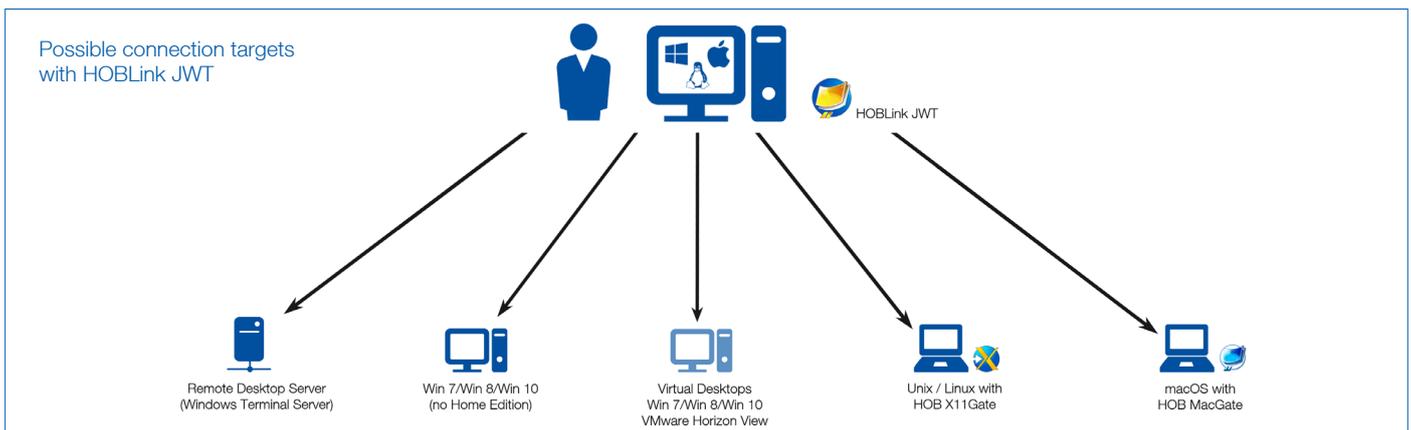# HOBLink JWT
The Premium RDP Client

Overview

Companies worldwide are increasingly applying IT trends such as cloud computing and mobile workplaces. In order to realize these concepts, the central storage of company data and the mobile access to it and corporate applications is of greatest importance. A secure and flexible remote access has to be guaranteed at all times. HOBLink JWT is the most advanced RDP client that enables secure connections to central data and applications and at the same time offers a plethora of critical business functions.

Areas of Application

HOBLink JWT connects employees to central applications and data – anytime, anywhere. It enables connections to gateways of all leading manufacturers, to RDP targets such as Remote Desktop Servers, virtual desktop infrastructures as well as to VNC server systems and virtual desktops. With additional HOB software you can even access Mac and Linux systems.

Advantages at a Glance

• Platform independent
  enterprise RDP client

• Available for Windows, macOS
  and Linux operating systems

• No installation and administration
  rights on client side

• Secure access to remote desktop
  servers, virtual desktop infrastructures
  and desktop systems

• Central administration and configuration

• Highly scalable and easily deployable
  within existing IT infrastructure

Possible connection targets
with HOBLink JWT

HOBLink JWT

Remote Desktop Server
(Windows Terminal Server)

Win 7/Win 8/Win 10
(no Home Edition)

Virtual Desktops
Win 7/Win 8/Win 10
VMware Horizon View

Unix / Linux with
HOB X11Gate

macOS with
HOB MacGate

Functions and Way of Operation

HOBLink JWT is an HOB-owned RDP client for accessing Remote Desktop Server, VDI and desktop systems. Users can easily and securely access central company resources from any client. The advantage: HOBLink JWT is completely platform-independent on client side (Windows, Linux, macOS).

To use HOBLink JWT, there is no need for an installation or administration rights on the accessing device. A Java-capable Web-browser or a locally installed JVM is completely sufficient. This saves time and reduces administration efforts. After the user has been centrally configured once, he may directly start to work. If a connection is terminated unwantedly, the user can simply reconnect to the disconnected session – data cannot be lost.

Flexible Printing Options

With the "Universal Printer Support," HOBLink JWT offers numerous printing options:

- 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 using the local driver
- IP Print: Print to an IP-Port of the network printer
- Automatic printer mapping (Windows only)
- LPR/LPD Print

Easy Print offers a great advantage: print data are processed in PCL format. Thus, drivers on client side need not be additionally installed on the server.

VMware Horizon View Ready

HOBLink JWT allows you to connect to and access your VMware Horizon View virtual desktop machines via the RDP protocol. This makes HOBLink JWT the ideal client for enterprises who rely on a fast and secure access to their VMware environment.

Java Web Start

With the integrated Java Web Start technology HOBLink JWT does not require a browser plugin. HOBLink JWT will run outside of the browser and use the local Java Runtime Environment. HOBLink JWT is downloaded from the webserver only at the first start. Afterwards it will be executed from the local cache. If there is a new version on the server, HOBLink JWT notices that and reloads the update accordingly.

Virtual Channel Support

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

Available as Plug-in for Cisco ASA, F5 Big-IP APM and Pulse Secure PSA and MAG

HOBLink JWT 4.1 is available as a Plug-in for appliances from leading manufacturers. It has been successfully tested and deployed as a Plug-in for Cisco ASA, F5 Big-IP APM and Pulse Secure PSA and MAG Series.

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.

Integrated Load Balancing

Server inquiries are optimally distributed to the available hardware. Existing resources are perfectly used, which can even allow for server consolidations.

International Keyboard Layouts

HOBLink JWT supports a variety of international keyboard layouts (e.g., German, US-English, French, Dutch, Spanish, etc.). HOBLink JWT can easily be used in an international environment – without any compatibility problems.

New Features of HOBLink JWT 4.1

VMware Horizon View Ready

Easily access VMware Horizon View virtual desktop machines.

RDP 7 Video Redirection

Video content is transmitted to the RDP client and decoded there before rendered to the screen.

HOB PCL Printer Vector Mode Support

Reduces amount of printing data transferred to the client.

Full Monitor Support

Supports up to 16 monitors for more productivity.

Microsoft Easy Print Support

Printer drivers do not need to be available at the server. (Windows only)

File Clipping Support

Allows copying of files through the clipboard redirection without Local Drive Mapping. (Windows only)

Microsoft RemoteApp Support

Seamless integration of remote desktop applications in the local desktop environment. (Windows only)

Microsoft Remote Desktop Gateway Support

Connect securely to MS Remote Desktop Gateway servers and access remote computers across firewalls (port 443).

Security

HOBLink JWT contains many security 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 highest 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 HOB RD VPN).

Network Level Authentication (NLA)

NLA is an authentication method that completes the user authentication before a remote desktop connection is established and the logon screen appears. This is a more secure authentication method that can help protect the remote computer from malicious users and malicious software.

Optional Components

HOB offers further, optional software components for HOBLink JWT. They enhance HOBLink JWT's functionality and grant more flexibility.

Access to Macs and Linux/UNIX Desktops with HOB MacGate and HOB X11Gate

HOB MacGate provides you with remote access to Macs running macOS. For the access to graphic Linux/Unix interfaces via RDP you can combine HOBLink JWT with HOB X11Gate.

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, which allows for central administration of all users and configuration data. HOB EA supports all important directory services (e.g. Microsoft Active Directory) via the LDAP interface.

HOB Remote Desktop Enhanced Services (HOB RD ES)

HOB RD ES optimizes access to Remote Desktop Servers. You will find detailed information about the included functions and its use in the data sheet of HOB RD ES.
Amongst others, it allows for parameterized load balancing, enhanced local drive mapping, application publishing, printer port mapping and the usage of local scanners.

HOB RD VPN

Combine HOBLink JWT 4.1 with the comprehensive Secure Remote Access Suite HOB RD VPN and benefit from highest security standards. HOB RD VPN and its proprietary SSL module HOB-SSL has been certified according to Common Criteria EAL 4+ standards.

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.

Highlights

- Central installation and configuration reduces administration efforts

- Automatic reconnection when a session is disconnected

- Support of the protocols RDP 4 up to RDP 7

- Full Screen Mode – Working as if you are directly sitting in front of the application

- Smartcard redirection – supports the log in at the Windows Server

- Secure encryption – for highest security

- Audio & video transmission

System Requirements

HOBLink JWT requires a platform that has a Java Virtual Machine (JVM) installed. The system requirements for installing HOBLink JWT vary according to the installation type.

Browser Requirements

On the client-side, any browser with full Java 8 support can be used. It is recommended to use the latest version of one of the following browsers:

Browsers for Java Web Start

Microsoft Internet Explorer | Mozilla Firefox | Safari | Opera | Google Chrome | Microsoft Edge

Browsers for Applet Mode

Microsoft Internet Explorer | Safari | any browser with Java plugin

Installation Requirements

All platforms (Windows, Linux, macOS): Java Runtime Environment 8 or later is recommended

Local Installation and Java Web Start

All platforms - Java Runtime Environment 8 or later

HOBLink JWT as an Applet

Java Runtime Environment 8 or later

Hardware Requirements on the Client-Side

PC: Minimum: 1 GHz processor with at least 128 MB free RAM.
Mac: PowerPC G4 or Intel-based Mac, with at least a 1 GHz processor and 128 MB free RAM.
Thin clients: at least 128 MB free RAM

Web Server Requirements

HOBLink JWT supports all known web servers. There are no special requirements.

Server Requirements

HOBLink JWT communicates with the following Microsoft Windows Terminal Servers/Remote Desktop Services:

Microsoft Windows Server 2008 or later

For support of other/older operating systems, please contact HOB.

For more detailed system requirements, please see the HOBLink JWT administration guide.

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