

PREMIER JAVA RDP APPLET OPTION FOR SA SERIES SSL VPN APPLIANCES

Product Overview

The Premier Java RDP (Remote Desktop Protocol) Applet option with the SA Series SSL VPN Appliances provides companies with a platform-independent, Java-based solution for accessing Microsoft Windows Terminal Servers. It makes business-critical data in Windows-based applications available to all remote users, regardless of the type of hardware or OS they are using. With the Premier Java RDP Applet option, central installation and administration are available through Java technology. When used in combination with the Premier Java RDP Applet option, the Java Windows Terminal provides one of the most convenient terminal server access experiences.

Product Description

Server-based computing, or thin client computing (TCC), is a technology that involves executing an application on a centrally managed server while displaying the application on a client system. Server-based computing was designed to drive down the high costs associated with running applications on every desktop, enabling access to applications written for one computing platform from other platforms, and providing remote access/control of applications. Microsoft introduced Windows Terminal Server to enable companies to take advantage of server-based computing.

Until now, client access software for Microsoft's Terminal Server has been cut-and-dried. Microsoft's Terminal Services client is restricted and can only be used on Windows clients with MS Internet Explorer. With the Premier Java RDP Applet option, users can remotely access centralized Windows applications independently of the client platform (Mac, Linux, Windows, etc.) through Java-based technology and without administrative rights.

As a platform-independent solution, the Juniper Networks® Premier Java RDP Applet lets you use the entire range of Windows applications running on the Windows Terminal Server, regardless of how the client computer is equipped. By centrally installing and managing all the Windows applications, you can significantly reduce your total cost of ownership. The Premier Java RDP Applet is an OEM of the HOBLink JWT (Java Windows Terminal) product created by HOB Inc., a leading European software company specializing in Java programming.

Architecture and Key Components

With the Premier Java RDP Applet option, users can access applications centrally installed on Windows Terminal Servers (WTS) from anywhere. It gives you all the advantages of server-based computing for Windows applications and brings the many additional benefits—improving installation, administration, operability, and security. Figure 1 provides a graphical depiction of how the RDP applet would be sent to a remote user from the SA Series to enable WTS connectivity.

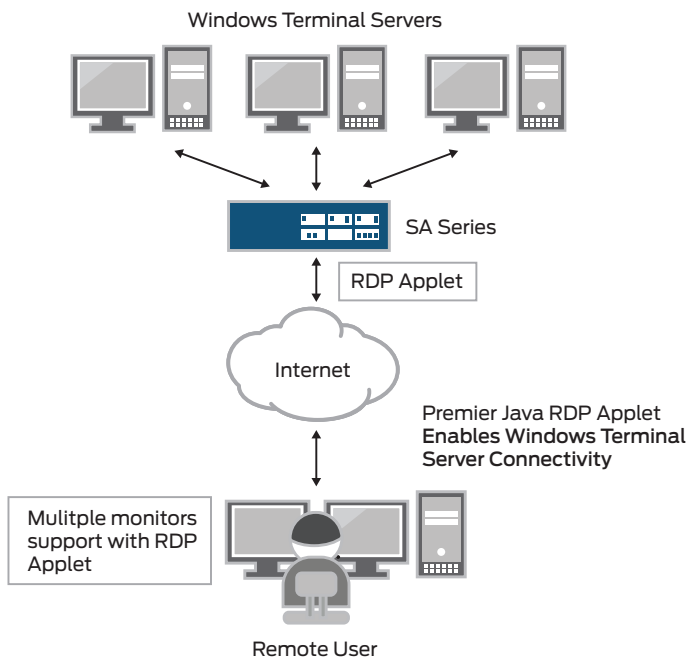


Figure 1: Premier Java RDP Applet

Single Point of Administration

The Premier Java RDP Applet option enables the administrator to centrally administrate all user and configuration data. The users can be displayed in a group and tree structure, which greatly simplifies administrative tasks, especially for installations with a great many users.

Cross-Platform Support

The Premier Java RDP Applet can be used on any client platform including Windows XP/Vista/7, Linux, UNIX, and Mac OS X—all 32-bit and 64-bit.

Terminal Services Support

The Premier Java RDP Applet is compatible with the following servers:

- Microsoft Windows Server 2003
- Microsoft Windows Server 2008 (including R2)
- Microsoft Windows XP
- Microsoft Windows Vista
- Microsoft Windows 7

Multi-Monitor Support

The Premier Java RDP Applet can be configured to allow for multi-monitor support with smart screen size calculation.

Maximum Color Depth

The Premier Java RDP Applet supports 8-bit, 15-bit, 16-bit, 24-bit, and 32-bit color depth for high-end graphical application use.

Local Drive Mapping

Local drives can be mapped to the server to transfer files between client and server and vice versa.

Bidirectional Audio

Bidirectional audio between a client machine and the WTS applications is fully supported with Windows Server 2008 R2.

Universal Printer Support

The flexible print functions of Universal Printer Support in the Premier Java RDP applet offer you a wide range of printing options for printing on local or network printers.

Easy Print

This function (printing on local or network printers via PCL) gives you support for virtually any printer on the market, without having to install the driver for each printer on the WTS. Print data is processed on the server using a standard driver and converted by the applet for output on a local or network printer. You cut administration to a minimum and avoid hassles with unstable drivers on your Microsoft Windows Terminal Servers, Windows XP, Windows Vista, and Windows 7.

In the latest version, the Easy Print function has been further improved and expanded. The local system's standard printer can be used as the default. This way, the select printer dialog does not appear every time you print. Easy Print can also be used under Mac OS X and Linux/UNIX.

Extensive local print support

Printing to local (or network) printers via drivers on the WTS is allowed. Here, the quality and reliability of the printing depends on the printers installed on the Terminal Server.

LPR/LPD print support

The Premier Java RDP Applet acts as a Line Printer Requester and can print the data stream of the WTS via a server designated as a Line Printer Daemon.

IP print

With IP print, the print data stream is forwarded over the Premier Java RDP Applet directly to a port.

Automatic printer mapping

Locally installed printers are recognized and automatically created in the Terminal Server session (Windows platforms only).

Application Servicing

With this feature, a certain application can be started automatically at login. The user then has access to this application only, instead of to the whole Windows desktop.

Reconnecting to Disconnected Sessions

Client sessions that have been disconnected—for example, due to network failure—can be reconnected at the point where the interruption occurred. When users restart their sessions, they can continue working exactly where they stopped earlier. This function is operable with your existing server farms, too.

Hot Key Support

Hot keys are shortcut key combinations for certain common functions within the Terminal Server session, such as switching between applications. When used correctly, they can significantly speed up handling.

Virtual Channel Support

Virtual channel support enables third-party applications to communicate with the WTS over the RDP connection. Additionally, specified channels can be prioritized.

Features and Benefits

Support for Windows and Non-Windows Platforms

- Connection of all clients is provided regardless of operating system or device.

Small applet

- By keeping the applet download compact, new users on the system enjoy the fastest possible access times.

Requires no dedicated backend server components for the communication (in base configuration)

- The SA Series appliance is the server, hosting the applet and providing the appropriate access security.

Supports the 6.x and 7 protocols

- The latest remote display protocols are supported—including RDP 7—providing users with a remote experience that many will perceive to be equal to that of their local workstation.

Flexible print features for local and network printing

- Users have access to printers that reside where the users reside.

Support for system sounds

- Sounds can be played while the RDP applet is running.

Copy and paste of text between client and server

- Users can easily move text around.

Reconnecting to disconnected sessions

- If sessions are disconnected due to network issues, the Premium RDP client attempts to reconnect to the disconnected session.

Full-screen mode and multi-monitor

- Many customers these days have multiple monitors and want to see them used to their full potential. By allowing both monitors to be used, such as with a financial trader, data can be seen across much more display real estate—providing a much improved overall experience.

Support for encryption with up to 128-bit key length and encryption support via SSL with up to 256-bit key length

- A high level of communication security, required by today's enterprises, is provided.

Enhanced local drive mapping

- Access to local drives and partitions is provided.

Wheel mouse support

- Fast and comfortable scrolling through text is provided.

Configurable memory and disk caches

- The data volume to be transferred between the user and the Terminal Server is reduced, providing faster communication and giving users a better working experience.

Juniper Networks Services and Support

Juniper Networks is the leader in performance-enabling services and support, which are designed to accelerate, extend, and optimize your high-performance network. Our services allow you to bring revenue-generating capabilities online faster so you can realize bigger productivity gains and faster rollouts of new business models and ventures. At the same time, Juniper Networks ensures operational excellence by optimizing your network to maintain required levels of performance, reliability, and availability. For more details, please visit www.juniper.net/us/en/products-services/.

Ordering Information

PART NUMBER	DESCRIPTION
ACCESS-RDP-50U-1YR	Java RDP Applet 1-Year subscription for 50 simultaneous users
ACCESS-RDP-100U-1YR	Java RDP Applet 1-Year subscription for 100 simultaneous users
ACCESS-RDP-250U-1YR	Java RDP Applet 1-Year subscription for 250 simultaneous users
ACCESS-RDP-500U-1YR	Java RDP Applet 1-Year subscription for 500 simultaneous users
ACCESS-RDP-1000U-1YR	Java RDP Applet 1-Year subscription for 1,000 simultaneous users
ACCESS-RDP-2000U-1YR	Java RDP Applet 1-Year subscription for 2,000 simultaneous users
ACCESS-RDP-2500U-1YR	Java RDP Applet 1-Year subscription for 2,500 simultaneous users
ACCESS-RDP-5000U-1YR	Java RDP Applet 1-Year subscription for 5,000 simultaneous users
ACCESS-RDP-7500U-1YR	Java RDP Applet 1-Year subscription for 7,500 simultaneous users
ACCESS-RDP-10KU-1YR	Java RDP Applet 1-Year subscription for 10,000 simultaneous users
ACCESS-RDP-50U-2YR	Java RDP Applet 2-Year subscription for 50 simultaneous users
ACCESS-RDP-100U-2YR	Java RDP Applet 2-Year subscription for 100 simultaneous users
ACCESS-RDP-250U-2YR	Java RDP Applet 2-Year subscription for 250 simultaneous users
ACCESS-RDP-500U-2YR	Java RDP Applet 2-Year subscription for 500 simultaneous users

Ordering Information (continued)

PART NUMBER	DESCRIPTION
ACCESS-RDP-1000U-2YR	Java RDP Applet 2-Year subscription for 1,000 simultaneous users
ACCESS-RDP-2000U-2YR	Java RDP Applet 2-Year subscription for 2,000 simultaneous users
ACCESS-RDP-2500U-2YR	Java RDP Applet 2-Year subscription for 2,500 simultaneous users
ACCESS-RDP-5000U-2YR	Java RDP Applet 2-Year subscription for 5,000 simultaneous users
ACCESS-RDP-7500U-2YR	Java RDP Applet 2-Year subscription for 7,500 simultaneous users
ACCESS-RDP-10KU-2YR	Java RDP Applet 2-Year subscription for 10,000 simultaneous users
ACCESS-RDP-50U-3YR	Java RDP Applet 3-Year subscription for 50 simultaneous users
ACCESS-RDP-100U-3YR	Java RDP Applet 3-Year subscription for 100 simultaneous users
ACCESS-RDP-250U-3YR	Java RDP Applet 3-Year subscription for 250 simultaneous users
ACCESS-RDP-500U-3YR	Java RDP Applet 3-Year subscription for 500 simultaneous users
ACCESS-RDP-1000U-3YR	Java RDP Applet 3-Year subscription for 1,000 simultaneous users
ACCESS-RDP-2000U-3YR	Java RDP Applet 3-Year subscription for 2,000 simultaneous users
ACCESS-RDP-2500U-3YR	Java RDP Applet 3-Year subscription for 2,500 simultaneous users
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ACCESS-RDP-7500U-3YR	Java RDP Applet 3-Year subscription for 7,500 simultaneous users
ACCESS-RDP-10KU-3YR	Java RDP Applet 3-Year subscription for 10,000 simultaneous users

About Juniper Networks

Juniper Networks, Inc. is the leader in high-performance networking. Juniper offers a high-performance network infrastructure that creates a responsive and trusted environment for accelerating the deployment of services and applications over a single network. This fuels high-performance businesses. Additional information can be found at www.juniper.net.

Corporate and Sales Headquarters

Juniper Networks, Inc.
1194 North Mathilda Avenue
Sunnyvale, CA 94089 USA
Phone: 888.JUNIPER (888.586.4737)
or 408.745.2000
Fax: 408.745.2100
www.juniper.net

APAC Headquarters

Juniper Networks (Hong Kong)
26/F, Cityplaza One
1111 King's Road
Taikoo Shing, Hong Kong
Phone: 852.2332.3636
Fax: 852.2574.7803

EMEA Headquarters

Juniper Networks Ireland
Airside Business Park
Swords, County Dublin, Ireland
Phone: 35.31.8903.600
EMEA Sales: 00800.4586.4737
Fax: 35.31.8903.601

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