



Scanning in Remote Sessions

Experience unmatched speed and efficiency in Citrix, VMware, Microsoft RDS, and hybrid IT environments.

In today's push to get to a 'paper-less' corporate environment, scanning for business is as critical as ever. Companies rely on scanning for many reasons, such as freeing up physical space, complying with disaster preparation standards, easy access for collaboration, and record retention. IT administrators can experience an added layer of complexity when supporting their business scanning needs with virtualization. What happens when a company moves their IT operations and user workspaces to a virtual environment such as Citrix, VMware, or Microsoft RDS, but still needs to scan? These virtualization solutions can make seamless scanning a challenge for users, causing productivity delays and a bad user experience. With software solutions like Tricerat's Simplify Scanning™, you can eliminate scanning problems and optimize network usage.



About Simplify Scanning

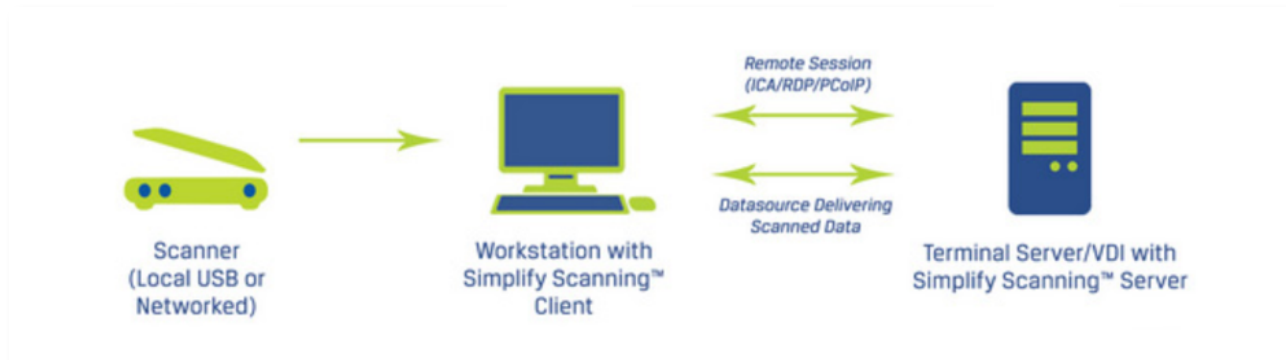
Simplify Scanning is a remote desktop scanning management solution that allows for faster scanning speeds and eliminates management of multiple scanner drivers. Simplify Scanning uses a universal "virtual" scanner driver to query local scanners for their capabilities, such as resolution and supported paper sizes, and then forwards these scanner connections to be virtualized on a remote server, remote application, or virtual desktop. Simplify Scanning compresses data to decrease network bandwidth consumption and preserve scanning image fidelity.

- Compatible with any client TWAIN or WIA driver
- Allows for access to complete scanner functionality
- Produces an increase in scanning speeds up to 10x
- No USB-redirected scanning required
- Eliminates management of multiple scanner drivers on servers



Simplify Scanning Infrastructure

Scanner drivers are installed and connected to the local client computer in one of two ways: directly connected through local USB or network scanners, or, multifunctional peripherals (MFP) that offer scanning. Either way, the TWAIN or WIA driver needs to be loaded on the client computer and functioning using the manufacturer's software. Users can connect to a server operating system or a desktop operating system, both under an RDP, ICA, or PCoIP connection to scan to local scanners.

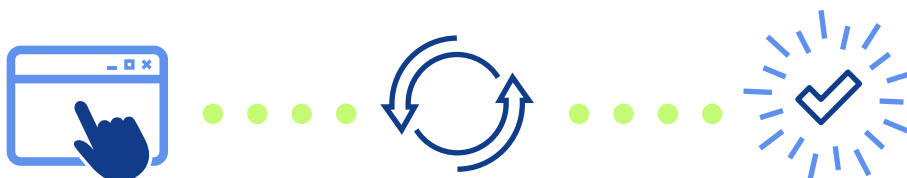


A Simpler Way to Scan

Tricerat's scanning software uses what we call a Simplify Scanning Pathway. This pathway, or process, has a few basic steps that are undertaken on the back end to provide a seamless scanning experience for the user. Actions happen behind the scenes at log in, during scanning, and at log out.

At Log In:

- The Simplify Scanning client connects to the remote server or virtual desktop using a system protocol
 - RDP, ICA, or PCoIP
- The Simplify Scanning Server detects a new session with the Simplify Scanning client, and carries out the initial required communication, such as version verification and auto-update negotiation
- The client queries the registry for cached scanner drivers data
- The client sends the data to the Simplify Scanning Server
- The Server detects the scanner drivers data
- The Server checks for a valid scanning license
- The Server caches the client scanner data in the registry

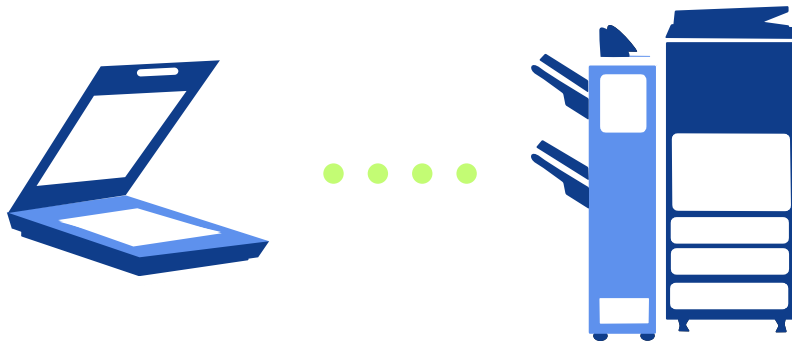


By virtualizing a data source that communicates directly with a TWAIN or WIA driver, Tricerat delivers and controls all scanning capabilities over ICA/HDX, PCoIP, or RDP connections. This eliminates application incompatibility by allowing direct communication with all features that a scanner can deliver. No more crazy workarounds, just scanning on demand.



Scanning Functions:

- A TWAIN-enabled application starts the scanning process on the Simplify Scanning Server
- The Application makes a request to the TWAIN Data Source Manager (DSM) to select a Data Source (DS) and open it. The scanning virtual DS driver is loaded.
- The application will either:
 - Request the DS to display its user interface (UI), and then sends the scan parameters to the DS to initiate a scan on the client scanner
 - Send the scan parameters to the DS and initiate a scan on the client scanner
- Once the client receives the scan image data, it compresses the image data and sends the data over the virtual channel to the server DS
- The DS receives the image data packets, reassembles the scanned image on the server, and then decompresses the image in to its original form.
- The DS returns the image data to the DSM, which forwards the image data to the scanning application.



Proven to be **10x faster than USB-redirected scanning**, our software harnesses a universal virtual scanner driver to save time and increase productivity. No more incompatible scanner drivers, unsupported drivers or applications, or constant software upgrades.

At Log Out:

- The Simplify Scanning Server detects log out/disconnect
- The Server checks in the scanning license
- The Server purges the registry of the Simplify Scanning data for the session.

Easy for End Users and Administrators Alike

The Simplify Scanning client does not require users to configure their scanners for a remote session. When the Simplify Scanning client is installed on the connecting workstations and the Simplify Scanning Server is installed on the remote server or desktop, then the scanners are built for the users. Users access the Simplify Scanning client through a control panel that allows for the defining and configuring of the client scanners that are to be made available to the remote server. The client supports both major scanning protocols, TWAIN and WIA, and also Tricerat's RPOS protocol for browsing images saved to your clients computer.

About – Describes which major version is currently installed, and two unique hyperlinks for the License Agreement and the notifications and licenses for third-party software that the client uses.

General – Displays version information about the software, and options for configuring users' remote scanning sessions.

Scanners – Specifies which client scanner drivers will appear in the server session and in what order. Move your preferred scanner to the first position in the Installed Scanners list.

Camera – Specifies camera options for multiple or single scans.

Plugins – Shows the different plugin versions available from the auto-update version matching.

Logging – Provides options for diagnostic logging options for the scanning client.

Next Steps for Simpler Scanning

When it comes to document scanning in workstation and virtual environments, fast and steady wins the race. You need both speed and stability for your end users' enterprise scanning jobs to successfully reach the finish line every time. With Tricerat's Simplify Scanning, you have the ability decrease overall network bandwidth consumption for faster scanning. Our solution also eliminates device driver management, is optimized for remote and branch office situations, reduces latency, and decreases transfer rates up to 80% faster. Download a free, 30 day trial today or contact a solutions engineers for a demonstration of the software in action.

Trial: www.tricerat.com/get-started/

Demo: www.tricerat.com/about-us/schedule-a-demo/

