ScrewDrivers® v7 Overview

Features, Benefits, and Requirements

Tricerat ScrewDrivers delivers simplified administration of printing for IT Admins and a premium user experience for users of desktops, VDI, and remote applications. Save time, money, and frustration by drastically reducing the hassles of print driver management and user deployment.

ScrewDrivers contains at its core the ScrewDrivers virtual driver with Tricerat's proprietary TMF® protocol. With this single driver, any printer can be presented to the user and used in the same way that traditional printers are used. TMF ensures that the print job is formatted correctly and is optimally compressed to speed up printing times and reduce network bandwidth on anything from simple print jobs to to something more complex like barcode labels. Being just a single driver, there is no need to copy and install print drivers across the network at login time, making management of VDI images such as barcodes a breeze and optimally performing.

With ScrewDrivers, users can access the native dialog of a printer with all functionality enabled, making it the only solution that gives a native experience to the end user while taking advantage of the performance and management benefits of a single virtual driver. Users also benefit from consistent printer access based on their groups and location, regardless of the platform they are using.

ScrewDrivers is now offered conveniently in three tiers: Essentials, Pro, and Enterprise

Benefit	ScrewDrivers Essential	ScrewDrivers Pro	ScrewDrivers Enterprise
Printer Driver Virtualization	✔	✔	✔
Scanner Driver Virtualization	✔	✔	✔
TMF® Page Description Language	✔	✔	✔
12 Month Support Contract	✔	✔	✔
Centralized Admin Console	⊘	✔	✔
Print Server Printing	⊘	✔	✔
Server-Free Printing	⊘	✔	✔
Self-Service & Map Manager	⊘	✔	✔
Mobile Printing	⊘	⊘	✔
Cloud Connector	⊘	⊘	✔
System Printing	⊘	⊘	✔

Driver Features

- Auto creation of printers
- Virtual Channel plugin for operation through NAT or firewall (ICA, RDP, PCoIP)
- Custom printing format (TMF) to optimized remote printing and ensure high quality print output
- Dynamic compression of print stream
- Multi-platform support for Windows 64bit desktop/server OS, Mac, and Linux OS
- Provides end-user with full native printer functionality
- Supports all printer manufactuerers

ScrewDrivers Essential Features

- Maximum resolution allowed by the print driver
- Control bandwidth from server or client
- Define the number of client printers to add to the remote session
- Default printer spoofing
- Recapture the default printer if changed by another process
- Automatically add new printers from client
- Automatically remove printers when removed from client
- Disconnect/reconnect printer teardown and rebuild default printer change detection
- Customizable naming scheme
- Print job streaming, start printing after first page is transferred
- Workflow integration, launch process with arguments on client or server
- Archive print jobs in PDF or BMP
- Add a separator page
- Font embedding
- Print as image
- Force color quality or black and white
- Deny driver creation, such as PDF or Fax printers
- Client-control of print properties
- Support for TWAIN/WIA scanner redirection for ICA, RDP, PCoIP
- Set multiple scanning profiles based on various functionalities
- Control scan job settings such as DPI, color, and others
- Presents virtual scanner as TWAIN data source
- Auto-updating ScrewDrivers Client

ScrewDrivers Pro Features

- Advanced Print Features to display native print dialog for a print server printer in the remote session
- Dedicated print server support with agent for 64bit based Windows server/Desktop OS
- Thin client and non-windows client support
- Print Server Agent prints locally on print server, optimizes print spooler operation for better scaling of print server
- Automatically import printers from print server
- Refresh all printers or specific printers on print driver updates
- Option to cache driver information in database to reduce request to a print server
- Built-in failover print server support for high availability printing
- Every manufacturer feature supported, including PIN printing and finishing options
- Configurable Advanced Print Feature options

ScrewDrivers Pro Features (continued)

- Bandwidth control for remote print server agents
- Printer naming options for each printer
- Active Directory integration to assign printers to domains, OU's, groups, or users
- Grouping of IP addresses or client names
- Drag-and-drop assignments of printers to users or devices
- Grant access to printers through user self-service tool
- Set default printer for users or locations
- Service-based printers for server/service printing
- Shared Virtual Printer for applications that require a static name for a printer
- PDF printer option for save-as-PDF
- Printers start building immediately on login without having to copy and install drivers
- ScrewDrivers' printers application gives user the ability to dynamically add new printers into their session, as allowed by the administrator
- Print dialog settings persist between print jobs in a user session
- Common print dialog across manufacturers for standard features
- User dialogs present only available options
- Option to use only default printer from client
- No client-side dialogs unless configured to do so
- Print job reporting across all print servers
- Users can only see their own printers
- Utilizes the normal print spooler functions for print job management
- Works alongside other queues or drivers if present

ScrewDrivers Enterprise Features

- Mobile printing application that allows users to print from their mobile device to any server printer they have been assigned
- AD integrated authentication for mobile application
- Cloud connector application that allows admins to safely and securely transfer print jobs from their cloud environment to their on-premise print server where no VPN tunnel is present
- Support for System/Service printing for back-end application

Requirements

- Server: Windows Server 2012R2 or higher including Windows Server 2019 and above
- Desktop: Windows 7 x64, Windows 10, MacOS, and Linux for redirection ONLY
- RDP connections to RemoteApp or RDS
- Client connection protocol for client printer mapping: RDP, ICA, PCoIP
- Database supported: SQL Server 2005 or higher, supports all editions (Express, Standard, Enterprise)
- Database authentication using SQL auth, NT auth, or a NT service account